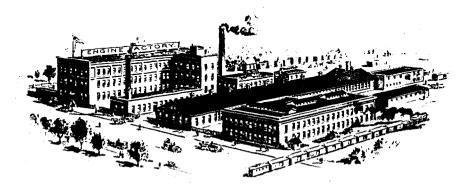
CADILLAC MOTOR CAR CO.
Miscellaneous

1906 Cadillac - advance catalog, four cylinder cars.

LIBRARY REFERENCE COPY NOT TO CIRCULATE



## 



MEMBERS ASSOCIATED LICENSED AUTOMOBILE MANUFACTURERS

FACTORY AND GENERAL OFFICES

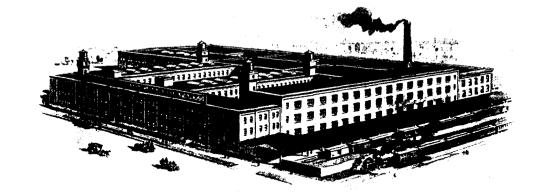
DETROIT. MICH.

CABLE ADDRESS
"CADAUTO, DETROIT"

C ODE J:
ABC, 5 HEDITION, LIEBER'S
WESTERN UNION, DIRECTORY

THE LARGEST
MOST COMPLETE
AND BEST EQUIP
PED FACTORY IN
THE WORLD DEVOTED EXCLUSIVELY TO THE PRODUCTION OF HIGH
GRADE MOTOR
CARS, AR AR AR





### foreword

HIS Advance Catalog is issued merely as an introduction to the line of Cadillac 1906 Four Cylinder Cars.

The name "CADILLAC" is in itself so significant of all that is good in automobile construction that the illustrations in this booklet with an outline of the essential features embodied in the construction of the cars are sufficient to satisfy the experienced motorist.

We have however in course of preparation, a catalog of our Four Cylinder Cars in which we shall enter more into details, both in descriptions and illustrations and which we shall be pleased to mail upon receipt of request.

CADILLAC MOTOR CAR CO., Detroit, Michigan.

#### Cadillac "Model H" Touring Car

"Model H" Runabout

"Model H" Touring Car

"Model H" Coupe

#### SPECIFICATIONS

MOTOR. 30-Horse Power. Four cylinders, four cycle, 43% inch bore by 5 inch stroke, arranged vertically under hood, all parts readily accessible. Copper water jacket. Water cooled.

CARBURETOR. Special type for four cylinder motor, proven by exhaustive tests to be most effectual and economical.

COMMUTATOR. New and efficient design placed horizontally on vertical shaft with oil container.

IGNITION. Jump spark. Storage batteries. (Two sets.)

LUBRICATOR. Special Cadillac type, mechanical pump feed, quantity regulated by speed of engine.

RADIATOR. Honeycomb pattern of great capacity and exceptional cooling efficiency.

TRANSMISSION. Cadillac planetary type, specially cut and hardened gears, three forward speeds and reverse.

DRIVE. Direct shaft with specially cut and hardened bevel gears.

BEARINGS. Genuine Hess-Bright ball bearings throughout, including axles, front wheels, transmission and engine thrust bearings.

CONTROL. Very effectual by instantaneously acting governor.

BRAKES. Double acting, one set expanding inside and the other contracting on drums on rear wheels. Sufficiently powerful to lock wheels almost instantly.

STEERING GEAR. Our own new design, positive and reliable in its action.

FRAMES Pressed steel, channel pattern.

SPRINGS. Four spring suspension, semi-elliptic front, three-quarter elliptic rear.

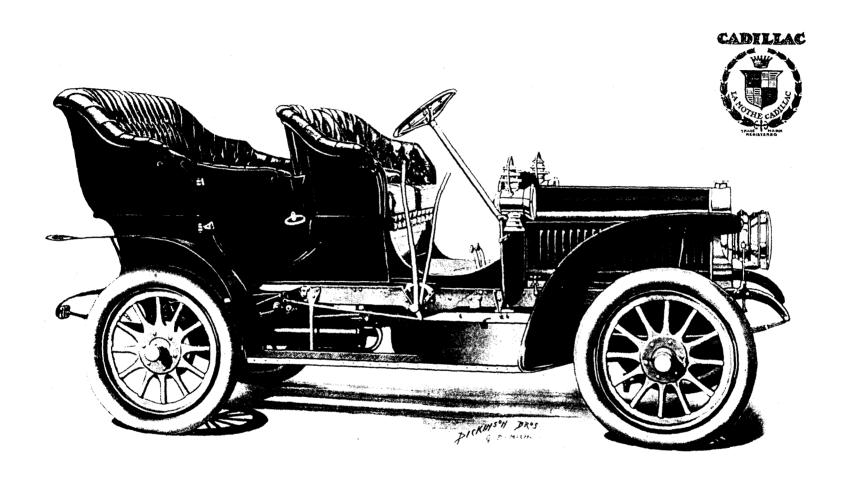
BODIES. Exclusive Cadillac design of unusual elegance, upholstered in hand buffed leather over deep coil springs and genuine curled hair.

MATERIAL. Highest grade throughout. All parts made accurately to gauge and thoroughly interchangeable.

Wheel Base, 102 inches.
Wheel Tread, 56½ inches.
Wheels, 32 inches.

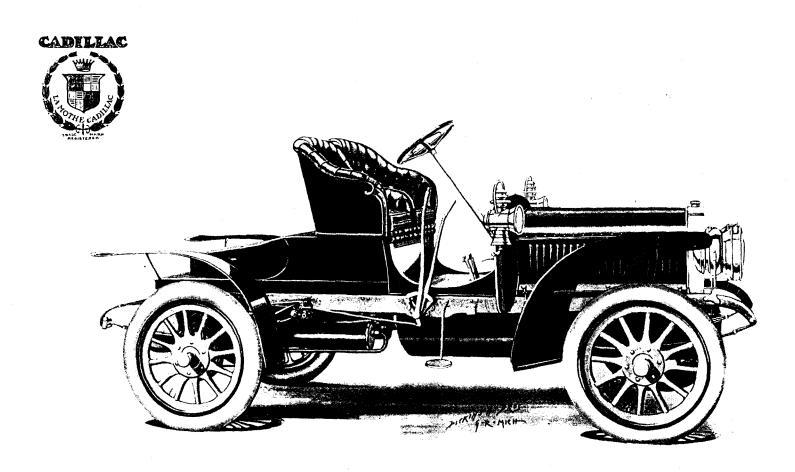
es, . . . . . . . . . . . . 4 inches.

Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 12.



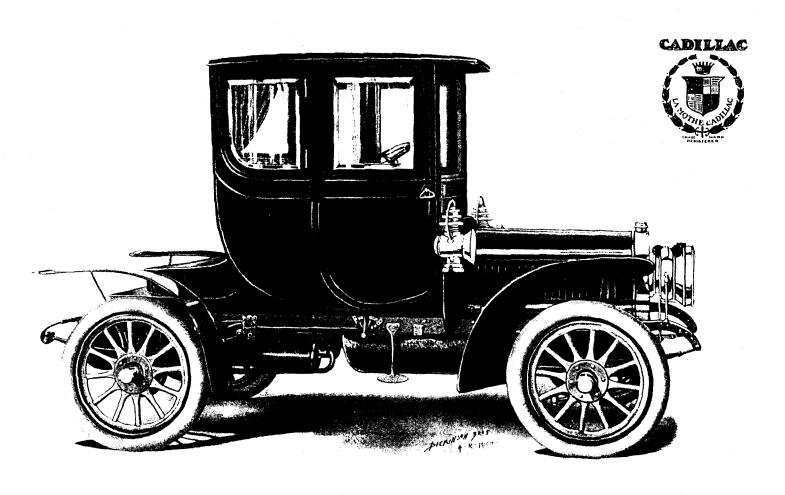
See Specifications Page 8

#### CADILLAC "MODELH." TOURING CAR PRICE \$2500.00 F.O.B. DETROIT (LAMPS NOT INCLUDED)



See Specifications Page 4

CADILLAC "MODEL H" RUNABOUT
PRICE \$2400.00 F.O.B. DETROIT
(LAMPS NOT INCLUDED)



See Specifications Page 4

# CADILLAC "MODEL H." COUPE PRICE \$3000.00 F.O.B. DETROIT (LAMPS NOT INCLUDED)

#### Cadillac "Model &" Couring Car

#### SPECIFICATIONS.

MOTOR. Forty horse power, four cyclinders, four cycle, 5 inch bore by 5 inch stroke, arranged vertically under hood, all parts readily accessible. Copper water jacket. Water Cooled.

CARBURETOR. Special type for four cylinder motor, proven by exhaustive tests to be the most effectual and economical.

COMMUTATOR. New and efficient design placed horizontally on vertical shaft with oil container.

IGNITION. Jump spark. Storage Batteries. (Two sets.)

LUBRICATOR. Special Cadillac type, mechanical pump feed, quantity regulated by speed of engine.

RADIATOR. Honeycomb pattern of great capacity and exceptional cooling efficiency.

TRANSMISSION. Cadillac planetary type, specially cut and hardened gears, three forward speeds and reverse.

DRIVE. Direct shaft with specially ground and hardened bevel gears.

BEARINGS. Genuine Hess-Bright ball bearings throughout including axles, front wheels, transmission and engine thrust bearings.

CONTROL. Very effectual by instantaneously acting governor.

BRAKES. Double acting, one set expanding inside and the other contracting on drums on rear wheels. Sufficiently powerful to lock wheels almost instantly.

STEERING GEAR. Our own new design, positive and reliable in its action.

FRAMES. Pressed steel, channel pattern.

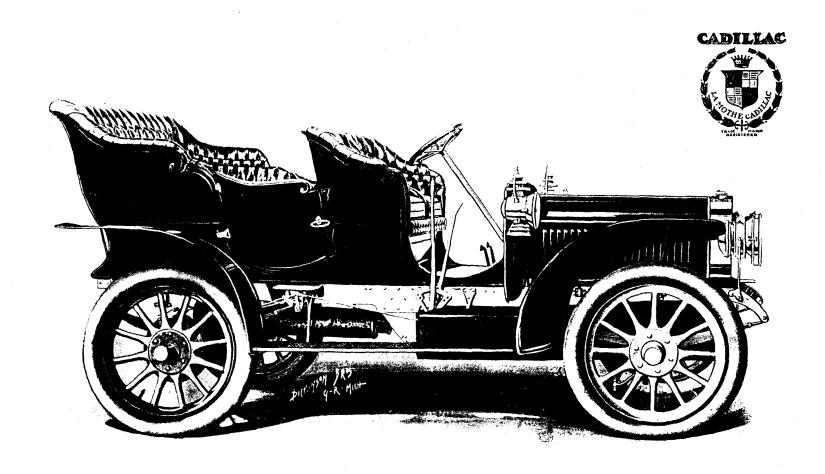
SPRINGS. Five spring suspension, two semi-elliptic front, two semi-elliptic and one transverse spring in rear.

BODIES. Exclusive Cadillac design of unusual elegance, upholstered in hand buffed leather over deep coil springs and genuine curled hair affording unexcelled luxuriousness.

MATERIAL. Highest grade throughout, all parts being made accurately to gauge and thoroughly interchangeable,

Wheel base											110	inches.
Wheel tread											561/2	inches.
Wheels .											36	inches.
Tires			_		4	in	ch	fı	o.	nt.	4½ in	ch rear.

Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options see Page 12.



See Specifications Page 8

# CADILLAC "MODEL L." TOURING CAR PRICE \$ 3750.00 F.O.B. DETROIT (LAMPS NOT INCLUDED)

#### Cadillac "Model &" Simousine

In the Cadillac "Model L" Limousine, we offer a car which embodies everything in automobile construction appealing to those who desire the maximum of comfort and luxury.

The Chassis is that of our regular Model L.

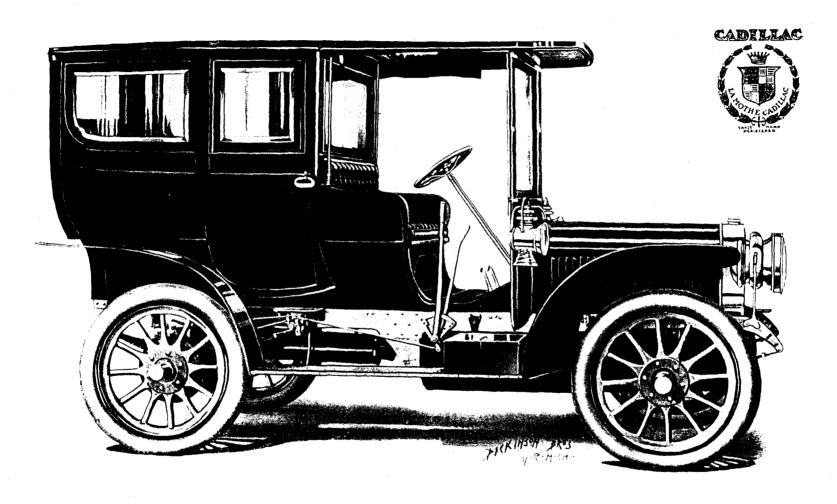
The body is large and roomy affording a seating capacity for five persons inside and for two persons on the front seat. It is substantially constructed and elegantly finished, upholstered in morocco leather over steel coil springs and the ceiling upholstered in satin. It is equipped with electric light, electric signal bell, speaking tube, etc.

The French Plate Glass in windows and doors may be lowered when so desired.

Horse Power,				40	
Wheel Base,				110	inches.
Wheel Tread,				561/2	inches.
Wheels,				36	inches.
Tires,		4 inch	front.	5 inc	ch rear.

Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 12.

See Special Mechanical Features, page 8.



See Specifications Page 8

# CADILLAC "MODEL L". LIMOUSINE PRICE \$5000 F.O.B. DETROIT (LAMPS NOT INCLUDED)

#### Tires

N ORDER TO OFFER Cadillac purchasers the choice of a number of different tires which can be furnished without the delay usually entailed by such options, we have at heavy expense, had perfected for us a Universal Rim to which may be fitted either of the six following styles of tires.

DUNLOP TYPE
HARTFORD
MORGAN & WRIGHT
INDIANAPOLIS G & J

Hartford, Conn.

CLINCHER TYPE
HARTFORD
MORGAN & WRIGHT
INDIANAPOLIS G & J

. 1831 Euclid Avenue

Unless otherwise ordered, we will equip to this Universal Rim, the Hartford Dunlop tires on all cars listed in this catalogue. We will, however, when so ordered, equip cars with any other make of tire ABOVE MENTIONED without extra charge.

#### TIRE GUARANTY.

All Tires and Rims used on Cadillac Automobiles are guaranteed by their makers and should be sent to them (not to us), transportation charges prepaid.

#### SEND HARTFORD TIRES TO HARTFORD RUBBER WORKS COMPANY AT ANY OF THE FOLLOWING ADDRESSES

Cleveland, Ohio

]	New York City New York City Boston, Mass. Philadelphia, Pa. Buffalo, N. Y.		•	٠			•		494	8 Chambers Street 1769 Broadway 4 Atlantic Avenue Torth Tenth Street 686 Main Street	Detroit, Mich. Chicago, Ill. Denver, Colo. San Francisco, Ca Los Angeles, Cal.	i				: .	. 83 Michigan Avenue
	SEND	MO	RGA	Ν 8	k W	RIC	тна	TI	RES	TO MORGAN &	WRIGHT AT ANY	OF	THE	FO	LLO	WIN	G ADDRESSES
	New York City Boston, Mass. Cleveland, Ohio Dayton, Ohio Minneapolis, Min Detroit, Mich. St. Louis, Mo. San Francisco, C	nn.	· .	•		· ·	. 53	•	708 l 265 Var	214 W. 47th Street Columbus Avenue 347 Huron Street 417 E. 5th. Street Hennepin Avenue Jefferson Avenue ndeventer Avenue 1067 Mission Street	Chicago, Ill, Syracuse, N. Y. Philadelphia, Pa. Atlanta, Ga. Denver, Cojo. Los Angeles, Cal. Portland, Oregon				· ·	: :	212-14 So. Clinton Street Broad and Vine Street 35 Edgewood Avenue 1562 Broadway

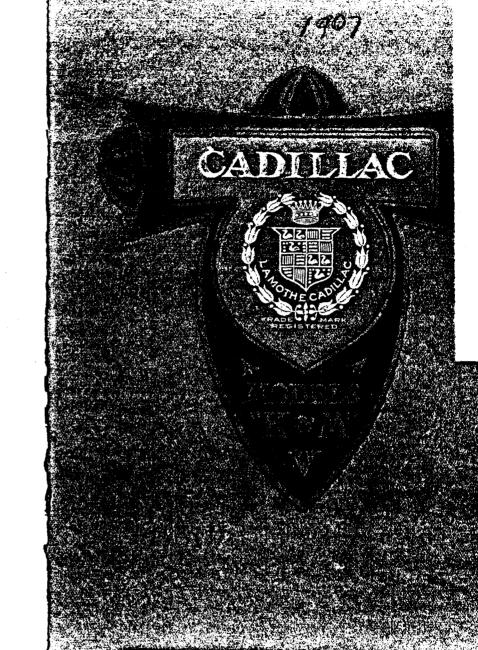
#### SEND G & J TIRES TO G & J TIRE COMPANY AT ANY OF THE FOLLOWING ADDRESSES

Indianapolis, Ind. Cleveland, Ohio Boston, Mass. Chicago, Ill. Detroit Mich	San Francisco, Cal. 337 Huron Street 43 Columbus Avenue 429 Wabash Avenue 429 Wabash Avenue 421 Iefferson Avenue			•		•		•	327 Van Ness Avenue 1528 Court Place 9 W. Huron Street 711 No. Broad Street
---	--	--	--	---	--	---	--	---	--

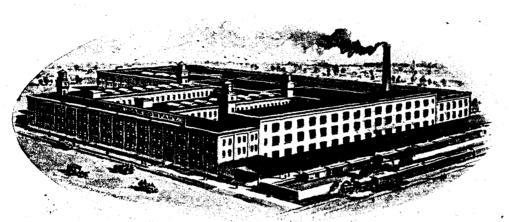
Miscellaneous

[906 - 1907]

Cadillac, models K & M.



LIBRARY REFERENCE COPY
NOT TO CIRCULATE



#### CADILLAC MOTOR CAR CO.

Cadillac Automobile Co. and Leland & Faulconer Mfg. Co. MEMBERS ASSOCIATED LICENSED AUTOMOBILE MANUFACTURERS

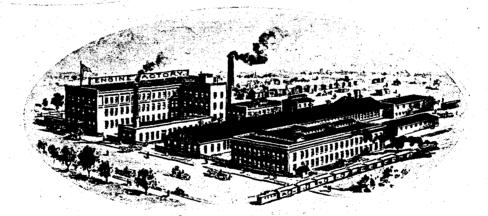
Factory and General Offices DETROIT, MICH.

Cable Address "CADAUTO, DETROIT"

CODES:

A. B. C., 5th Edition, Liebers, Western Union, Directory

THE LARGEST, MOST COMPLETE AND BEST EQUIPPED FACTORY IN THE WORLD DEVOTED EXCLUSIVE-LY TO THE PRODUCTION OF HIGH GRADE MOTOR CARS.



## The Story of the Cadillac

HE SEASON of 1905 demonstrated the unquestioned position of the CADILLAC as AMERICA'S LEADING MOTOR CAR, a position which would have been impossible of attainment excepting as the result of "MERIT," "DEPENDABILITY" and "SATISFACTION."

The popularity of the Cadillac is evidenced by the fact, that during the past year the Cadillac Company made and sold more automobiles than any other one maker in the world, in fact nearly as many as any other two manufacturers combined.

For 1906 the already immense capacity of our plant has been greatly enlarged. The Cadillac Motor Car Company is a consolidation of the Cadillac Automobile Company and the Leland & Faulconer Manufacturing Company. The reputation of the latter for the highest grade of machine work and for excellence in motor construction is world-wide. During the past decade this Company has made more gasoline motors for automobiles and other purposes than any other factory in existence. Its product, including gasoline motors, transmission gears, and other parts requiring the highest grade of material and the most skilled workmanship, had for several years been almost entirely absorbed by the Cadillac Automobile Company, and the uniting of the two establishments into one Company, under one management, brings into existence the largest and most complete organization in the world for the production of high grade motor cars.

While this concentration has enabled us to lessen the cost of production, we are utilizing this saving by embodying it in the construction of the cars themselves, making improvements at every possible point and providing better and more costly equipment, with the result that in our entire line the purchaser receives the utmost possible value for his investment. We do this because we believe it is wise, because we believe it is good business policy and because we believe it will be the most profitable in the end by reason of the increased business it will bring us.

There are few, if any, establishments sufficiently well equipped to produce cars the equal of Cadillacs

## The Story of the Cadillac

at an actual FACTORY COST of less than our selling prices, much less to retail them at Cadillac prices. It is only by our improved methods of manufacture and by building in the enormous quantities we do that we are enabled to offer our cars at the prices at which they are listed.

We have never been disposed to take advantage of public confidence nor to sacrifice our reputation for mere temporary gain. It always has been and it always will be our policy to offer only that which, by our own experience and at our own expense, has been demonstrated to be right, rather than to formulate theories, embody them in our product, and expect the public to bear the expense of trying them out.

At times extreme pressure has been brought to bear upon us to meet passing fancies by building cars in accordance with designs which many have been misguided into THINKING were what they needed, but which judgment, knowledge and practical experimenting had proven to be wrong in principle or undesirable and unsatisfactory in service.

There is nothing artificial about Cadillac success. It has been acquired by genuine merit and legitimate business methods. Specially constructed cars, driven by highly paid experts prove nothing, but simply entail an enormous expense which the purchasers of such makes of cars must help to pay. We have never been compelled to engage experts to make a showing for the Cadillac and the expense thus saved has been utilized to contribute toward selling the Cadillac at the lowest price consistent with quality.

Hundreds of wonderful performances have, however, been made by owners of single cylinder Cadillacs for their own gratification. These cars have been made to accomplish seemingly impossible feats. A mile in 1 minute 7½ seconds. Five miles in 7 minutes 14 seconds. One hundred and forty-four miles over California mountains in 5 hours and 38 minutes on one seven-gallon tank of gasoline. From New York

to Boston in 12 hours. From New York to St. Louis in the World's Fair Tour, winning a first-class

## The Story of the Cadillac

certificate and first place at the finish in competition with cars ranging in price from one to six thousand dollars and rated at from ten to eighty horse power.

In July, 1905, a single cylinder Cadillac was driven from Toledo to Cleveland and return, covering 244 miles actual travel, without stopping except for gasoline. The entire run consumed only 14 gallons and was made in 11 hours and 40 minutes. This was in competition with a well-known car of the two cylinder type. At the start, the two cylinder led out for some few miles, then the single cylinder Cadillac passed it and the "double opposed" was not seen again on the trip. It had not met with an accident, but owing to faults characteristic of its class, it simply did not have the STAYING QUALITIES, hence was compelled to give up the contest and return to Toledo.

The secret of Cadillac success and efficiency lies largely in the design and workmanship of our motors and their careful installation in the chassis. We build carefully and well. No cheap or unworthy material finds its way into Cadillac motors or Cadillac cars. We ask nothing of any buyer but an unprejudiced consideration and comparison, piece by piece and inch by inch; then a fair trial in the hands of a competent operator, and we shall be satisfied with the decision which good judgment will render. We know there is no automobile the equal of a Cadillac at the price of a Cadillac.

Our single cylinder model is THE IDEAL CAR for the man who desires a motor vehicle from which he will derive the maximum of pleasure with the minimum of trouble and expense. In its entire design, special attention has been devoted to the importance of ready accessibility of all parts which may require attention, and the mechanical construction in general is so simple that a comprehensive understanding of the principles embodied may very easily be acquired, enabling its possessor to take care of the car himself if he desires to do so, and save the necessity of incurring an expense for maintaining it in perfect running condition.

When you buy a Cadillac, you obtain the product of the largest, best equipped and most complete

## The Story of the Cadillac

automobile factory in the world, an organization that is permanent and from which you will be able at all times to obtain parts for replacing those which may become worn by long and continued service or damaged by accident, and not be obliged to either discard your car because of inability to procure some important part, or to have such part made specially at heavy expense.

A general feature characteristic of the Cadillac, the value of which will immediately impress itself upon the careful buyer, is the provision made for adjustments of wearing surfaces, thereby obviating the necessity for frequent renewals of parts subject to wear.

The Cadillac single cylinder cars enjoy the reputation, among those who by their experience are qualified to judge, of being the most economical to operate and the least expensive to maintain. The low cost of maintenance is in no small measure attributable to our comparatively low prices on parts, it being our aim only to make this department pay for the actual cost of the parts themselves and the expense incidental to handling them. It is due also largely to the fact that all parts are made accurately to guage and are thoroughly interchangeable, which means that all parts of a kind are exactly alike and that when a new part is needed, it can be ordered with the assurance that it will not require altering to fit.

We have records of many instances in which these cars have been run an entire season without the necessary outlay of a single dollar for repairs or for operating, beyond the cost of gasoline and oil.

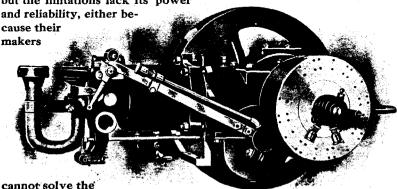
The Cadillac single cylinder cars are capable of meeting every reasonable requirement. For the business man, for the physician, or other professional man, for any man who values his time, they will soon save their cost.

They will afford more pleasure and more exhilirating recreation than the amount involved in their purchase would secure if expended for any other purpose.

They can be relied upon for service every day of the year. They will climb any hill that any automobile will climb. They will travel any road that any automobile will travel. They will travel as fast as anybody ought to ride. The Cadillac is an harmonious unit, a car upon which the public has set its seal of approval.

#### Cadillac Single Cylinder Motor

O BETTER EVIDENCE of the unparalleled success of the Cadillac Single Cylinder Motor can be afforded than the fact that we shall continue its use for 1906. As it stands today, it is in all essential features the same as used in the first Cadillac built. If there is any other motor of which a similar statement can be truthfully made, we do not know of it. It was years in advance of the times, and up to the present, nothing has been made to equal it, much less excel. It has been imitated, but the imitations lack its power



secrets, cannot successfully apply the principles, or are not disposed to incur the necessary expense. Recent examinations of several of our motors which have seen three years of active service, have shown them to be practically as good as when new and in some respects even better than new, developing slightly more power than when they first left the factory. With proper general care and lubrication there is no reason why they will not remain serviceable for many years to come. But even granting that through neglect and abuse the replacement of some parts becomes necessary, it can be done at less expense and with less trouble than on any other motor we know of. For example, suppose that through lack of attention to lubrication the piston or cylinder becomes badly cut. These are the most expensive parts liable to be affected by such negligence, but the price of a new cylinder is only \$4.50 and the piston only \$3.50. The main bearings of the crank shaft are perhaps the most susceptible to wear from lack of lubrication. In the Cadillac motor, these bearings consist of the highest grade of habbit facing backed by a finished bronze bushing. If replacement should become necessary it may be done in a few minutes. it being not even essential to remove the crank shaft.

The cheap method, the one usually adopted, is to cast the babbit into the frame of the motor. With such construction, when renewal is necessary.

the motor must almost invariably be sent to the factory for repairs to secure proper alignment. By the special methods which we employ, our bearings are rendered much more durable than those which are simply cast into the crank case. Interchangeability of all parts and especially those of the motor, is of utmost importance to the automobile buyer as the cost of maintenance should always be reckoned with. All parts of the Cadillac motor as well as those of the chassis, are made according to our system of limit gauges which makes it next to impossible for an imperfectly made part to enter into their construction. Special attention is devoted to the finishing of the piston and cylinder bore which are smooth as glass and neither one is allowed to pass inspection if it exceeds the prescribed limits of measurement which are specified to the one-thousandth part of an inch. While this method and the refinement which it secures is expensive for us, it is the only correct method and contributes largely to Cadillac success.

The horse power of the Cadillac motor has always been underrated rather than over-rated. This action on our part has been criticised by some who say we have done an injustice not only to ourselves but to the public in not making the full truth known. The fact of the matter is, this motor develops a little more than 10 horse power by actual test. We have heretofore been deterred from making the claims to which we were entitled, knowing that those who are not so fortunate as to be fully acquainted with the capabilities of the Cadillac, would be inclined to disbelieve that a motor with five inch cylinder bore and five inch stroke could develop any such power, especially when general rules of mechanical calculation do not uphold such claims. But it is no longer a question for argument. IT DOES DEVELOP TEN HORSE POWER. Several exclusive features contribute to this result.

The Cadillac motor marked the beginning of a new era in the principles of gasoline engine construction and the introduction of entirely- new methods in the matter of valve timing. The inlet and exhaust valves are operated independently. The inlet valve remains open longer, thereby drawing in a heavier charge and the exhaust valve is opened earlier to expel the burned charge. The Cadillac Carburetor has proven itself efficient, economical and satisfactory. The system of water cooling is positive, reliable and adequate. The merits of the Cadillac spark plug have been fully demonstrated. The valves are accurately ground that no gas may escape. All finished parts are correctly

fitted that no power may be lost, and proper provision is made for the adjustment of all wear.

Further details of these several features will be found on the following pages.

#### Cadillac Copper Water Zacket

HE Cadillac Copper Water Jacket is original with us and the superiority of the system is so thoroughly recognized by other makers that a number of them are willing to pay a royalty for the privilege of embodying it in their cars.

With no gaskets to burn, soak or blow out; no leaded joints to melt; no cracking of cylinder in case of a freeze up, and but little expense in replacing cylinder if cut or worn, it is quite natural that other makers want it.

These details mean little or nothing to the novice or the

driver of a Cadillac, but they do mean something to the user of some other form of construction who may have left his machine far from home and sent a mechanic to put in a new gasket. They mean something also to the chauffeur who may have tried to start his motor with a defective gasket leaking water into the combustion chamber; or to those who have been troubled with overheated horizontal cylinders. They mean much to those who have been obliged to pay almost the price of an engine for a new cylinder. When the parts shown in the accompanying illustration are not assembled, the list price of the most expensive piece is but \$4.50.

The cheap method ordinarily uesd, is to cast the cylinder and jacket together, coring to make the space between them. This usually does not produce a combination with a uniform space between the two for water circulation. The maker cannot detect the fault because of inaccessibility, but it will not be long until the innocent purchaser awakens to the results of its imperfection. It will be readily understood that with the thickness of the cylinder wall not uniform, it cannot be cooled evenly throughout its entire surface, the result being that the motor cannot develop the power which it otherwise might.

The Cadillac method is the only practical and correct system of jacketing; one reason why the Cadillac Motor develops more power than any other of equal dimensions.

## Cadillac Carburetor or Mixer

ITHOUT an efficient Carburetor, no motor can develop its full power, although it may be perfect in every other particular. For the benefit of the novice it is perhaps

well to explain that the Carburetor

(or mixer) is the instrument by means of which the gasoline is transformed into a vapor or gas and mixed with air. As this gas would not ignite if drawn into the cylinder of the motor in its pure

state, it must be mixed with air in order that the charge may be exploded. If the proportion of gas is either insufficient or too great, the result is an explosion of less than maximum force, in consequence of which the full capability of the motor is not developed.

The gasoline from the storage tank enters the mixer through the valve "M" (see illustration) and drops into the wire mesh "K." Air is drawn in through the intake tube and evaporates the liquid and the mixture is then drawn up and through the inlet valve at "A," thence into the combustion chamber of the motor where it is ignited by the electric spark emanating from the spark plug.

In the Cadillac Carburetor, we have a device radically different from any other, so simple that it is easily understood, yet capable of adjustment so precise as to give the exact mixture required. In addition to its advantages of accessibility and durability, its operation is not affected by steep grades. It can be taken apart and cleaned when necessary without in the least affecting its adjustment, a most desirable feature,

and as there is but one moving part, it has no delicate mechanism to get out of order. Three years of continued use have proven its superiority as a mixer for a

single cylinder motor.

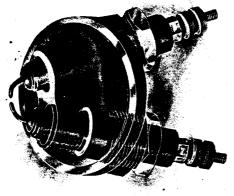
It is one of the exclusive features which have helped to make the Cadillac famous.

#### Cadillac Spark Plug

UR DOUBLE INSULATED SPARK PLUG here illustrated is so simple that it needs no extended explanation and its advantages are so well known that it requires no special recommendation.

It permits the secondary current to be kept separate from the other mechanism and the expense of replacing its mica cores is almost insignificant.

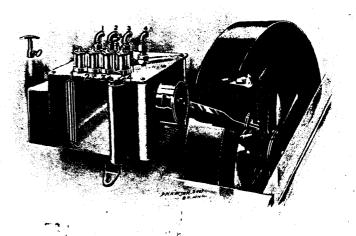
While we can provide for the use of ANY plug, we have not in a single instance furnished any other type. We have



known many cases where this plug had been used for months until it had been befouled by carbon deposits to an extent that would have rendered an ordinary plug utterly useless, yet notwithstanding these disadvantages it continued to give reasonably good results. This plug is another of our special features and is one more reason for the constancy of the Cadillac motor. The ease of accessibility to this spark plug is a worthy feature. It may be removed for examination in only a few seconds.

## The Cadillac Force Feed Lubricator

A FEATURE which will at once commend itself to everyone who has had any automobile experience is the Cadillac Mechanical Lubricator. To make a motor right is one thing. To make provision for keeping it right is quite another. We have accomplished both. No one thing is more essential to the life and efficiency of a motor than proper lubrication. Proper lubrication means not too little and not too much, but exactly



enough. Too much means a fouled spark plug, sticky valves and carbon deposits on piston and cylinder. Too little means destruction to wearing surfaces. A worn cylinder and piston means loss of compression, hence loss of power. Worn bearings mean annoying pounding and destructive vibration.

It does not require a genius to realize that the more rapidly a motor is running the more oil it requires. The Cadillac Mechanical Lubricator provides for this. It is equipped with four individual feeds, one for each of the four vital points, viz.: one to the piston, one to the connecting rod and crank shaft bearing and one to each of the two main

#### The Cadillac Lubricator

Continued

bearings. The last two mentioned requiring quantities of oil different from the first two, each of the four feeds is adjusted separately.

The simple raising of a cut-off plunger stops the oil running to the bearings and forces it up through the sight feeds so that the supplies may be regulated. When this has been done, the plunger should be pushed down and the oil will again be forced to the bearings.

An arm extends from the Lubricator and rests on the hub of the fly-wheel where it is actuated by a cam. Every revolution of the fly-wheel causes this arm to act on the lubricator pump which positively FORCES a small quantity of oil through the tubes leading to the several bearings. Consequently when each sight feed is adjusted for a given quantity of oil per minute when the motor is running at say five hundred revolutions, it must force twice the quantity when running one thousand revolutions per minute, or only half the quantity when running two hundred and fifty revolutions per minute. In other words, the motor gets no more nor no less but exactly the quantity of oil required to produce the best results.

Another feature—one of vital importance. A lubricator whose feeds and passages are small, is easily clogged with dirt, lint or "gummed" oil, rendering it but little if any better than no lubricator at all. In the Cadillac Lubricator such troubles are almost impossible as the passages are all large, hence not easily obstructed, yet it can be adjusted with unerring accuracy. It is readily accessible, being located under the front seat, directly back of the heel board.

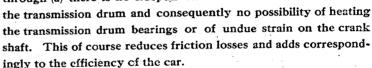
#### Cadillac Transmission

HE CADILLAC TRANSMISSION combines strength, durability, quietness, and requires the least possible attention.

These are virtues not possessed by any other gear.

It is provided with two friction bands. One of these, operated by a foot lever, applies the slow speed; the other, operated by the control lever, reverses the movement of the car.

By moving the rod (a) in the direction indicated by the arrow, the band (c) is closed upon the transmission gear drum, the rod (b) is fastened to the rear engine support and balances the pull on (a) so that no matter how much strain is applied through (a) there is no sidepull on



The driving gear "D" is the only part attached to the engine shaft. When assembled, the cover "C" and case "H" form an oil reservoir enclosing all the working parts, thus insuring the best possible lubrication with the least attention. It has but CNE oil hole instead of the usual ten or twelve, and will hold enough oil for several days use.

If the case "H" be held by its brake band when the driving gear is rotating, all the gears in the case, except "B," run at the same speed as the engine shaft, but no faster. The gear "B" and with it the driving sprocket "A" runs at a lower speed but in the opposite direction, thus producing the reverse. If the case be allowed to revolve, and the drum "K"

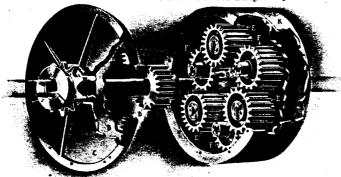
be held by its brake, all the gears run at much lower speed than the engine shaft, driving internal gear "B" around slowly forward, producing the slow speed. If brake

#### Cadillac Transmission

Continued

drum "K" be locked to shaft by the high speed clutch, the whole gear revolves and acts as an additional fly wheel.

By driving through gear "B" and engaging at three points, the lowest possible tooth strains are secured. All the gears are large; none of them can ever run as fast as the engine except in backing. These strong points of advantage form a combination of virtues never before secured in any transmission and make the Cadillac transmission the IDEAL GEAR for its duty. By Cadillac



construction the entire transmission can be removed without disturbing crank shaft. In plain words, the Cadillac gear is right. Another of the reasons why a 5x5 single cylinder engine rated at 10 h. p. has been able to do the same work as some multiple cylinder engines rated at 16 h. p.

#### .. Gasoline Tank

HE Cadillac Gasoline Tank, shown in cut with top removed, is easy of access, being placed directly underneath the front seat and carries about seven gallons. It is provided with partitions at "A" which prevent undue splashing. The partition "B" forms a compartment holding about one gallon. When the gasoline in the main compartment has been consumed, the motor will of course stop,

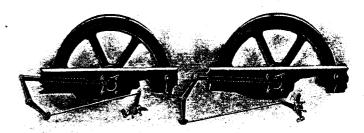
which serves notice to the driver that but one gallon remains (in the compartment) and that it will be necessary soon to renew the supply. The reserve may then be transferred to the main tank by simply opening the valve "C."



**#**;

#### Safety Starting Device

F, WHEN STARTING A MOTOR, the spark be advanced. it effects an early ignition of the charge. This causes the motor to start backwards or "kick back," which is liable to injure the operator by the starting crank striking him.



The Safety Device on the Cadillac makes this impossible. Attached to and operating in conjunction with the spark advance mechanism, we have a safely slide. In advancing the spark lever it also moves the safety slide into a position where it obstructs the entrance of the crank, (See Fig. 2), making it impossible to start the motor until the spark lever is moved to its normal position, (See Fig. 1.)

#### Cooling System

The efficiency of the Cadillac motor cooling system is well known. You do not see Cadillac "hung up" on the road waiting for the motor to "cool off."

In the first place, our method of water jacketing, previously explained, facilitates a uniform cooling of the cylinders. Secondly, our radiator has ample radiating surface, and thirdly our centrifugal pump keeps the water in rapid circulation.

The pump is attached to the frame of the chassis. Being operated by the motor, the rapidity of its action is governed by the speed of the latter, which is the only practical method.

The water tank is accessible for filling by simply removing the cap from the top of the hood.

The water circulating pipes are of copper.

MUFFLER. The Cadillac Muffler is an effectual "silencer" and is equipped with a cut-out which acts as a safety valve.

This can also, when desired, be used as a warning signal by simply pressing with the foot on a trigger which extends up through the floor of the car.



ELECTRICAL SYSTEM. The ignition is by the jump spark system with coil and switch on the dash of the car and two sets of dry cell batteries, one for use and the other for reserve, located where they are readily accessible. The secondary wires are strung in the channel of chassis

frame where they are out of the way of dirt and dampness, hence no liability of short circuiting.

CONTROL. The slow speed is applied by a foot lever and the high speed and reverse by a hand lever at the side of the car, (See explanation of action under Transmission.)

THE BRAKE mechanism consists of two friction bands which contract on the drums of the rear axle differential and are applied by a foot lever. The latter is equipped with pawl and ratchet so that the brake can be held at any tension desired. Our differential drums are extra large, being nine inches in diameter. thereby affording great friction surface and brake efficiency.

STEERING MECHANISM is of the rack and pinion type and is operated by means of the steering wheel.

THROTTLE and SPARK levers are placed conveniently underneath the steering wheel.

FRAMES. Our frames are of the channel pattern, pressed from a special grade of steel and tested to withstand strains much greater than they will be called upon to bear.

AXLES. Our rear axles are of steel tubing with high grade steel live axles, keyed to differential drums,

the bearings being of the roller type. Rear wheels are keyed to the live axle sections. The differentials are of the Brown-Lipe spur gear pattern. Front axles are of steel tubing with drop forged front wheel spindles, the front wheels being fitted with ball bearings.

SPRINGS Our springs are of the highest grade it is possible to obtain.

We wish to direct special attention to our front spring suspension, the advantages of which will be readily understood by referring to the accompanying illustration.

On the front axle at the point of the spring suspension, a rocker joint is provided. This joint fully doubles the efficiency of the spring and permits one wheel to pass over obstacles several inches in height or into depressions of equal depth without disturbing the "level" of the body or transmitting any material jar to the occupants of the car. By relieving the strain on the spring it reduces breakage to a minimum. The extreme ease and comfort characteristic of the Cadillac will meet with hearty approval.

DRIVE. Hardened steel roller chain with detachable links, each link pin secured by a cotter

pin. In case of accident, the replacement of a link requires

but a few minutes time.



BODIES. Special attention is directed to the designs of the Cadillac bodies, which are of the Victoria type, and the latest conception of the Coach Builder's Art. Illustrations fail to convey an adequate conception of their exquisite grace and beauty, which would be a credit to cars selling at several times our price.

The dash is of pressed steel, hollow, and substantially re-enforced.

The seats are luxuriously upholstered in genuine hand buffed leather of a color to harmonize with the panels. All upholstering is tufted over coil springs and fine quality genuine curled hair.

FENDERS. Our fenders are special Cadillac pattern, formed from sheet metal and so designed that they will be found very effectual in protecting both the car and its occupants.

WHEELS are of the artillery type made from specially selected second growth hickory. Rear wheels are keyed to live axle shafts and doubly secured thereto by slotted hex nuts and cotter pins. Front wheels are ball bearing with tool steel cups and cones.

FINISH. The finish of the lower part of the bodies is black while that of the upper parts including seat panels and doors, is purple lake with light carmine striping.

The frame, axles, wheels, etc., are finished in a dark shade of carmine, striped in a lighter shade of carmine and black.

The purple lake (a deep wine color) gives a finish of the very latest style and taste which for quiet richness and beauty will not be excelled.

EQUIPMENT. Each Cadillac is furnished with a set of tools for ordinary adjustments, including a pump and repair outfit for tires.

Our prices do not include lamps, horn or other accessories. If we were to furnish these we would simply be obliged to increase the selling price of our cars to cover the extra cost. Different persons have different tastes and requirements, therefore by our policy, each purchaser is free to choose and purchase such accessories in accordance with his individual preferences.

N ORDER TO OFFER Cadillac purchasers the choice of a number of different tires which can be furnished without the delay usually entailed by such options, we have at heavy expense, had perfected for us a Universal Rim to which may be fitted either of the six following styles of tires.

DUNLOP TYPE HARTFORD MORGAN & WRIGHT INDIANAPOLIS G & J

Wanter-1 Com

CLINCHER TYPE
HARTFORD
MORGAN & WRIGHT
INDIANAPOLIS G & J

Unless otherwise ordered, we will equip to this Universal Rim, the Hartford Dunlop tires on all cars listed in this catalogue. We will, however, when so ordered, equip cars with any other make of tire ABOVE MENTIONED without extra charge.

TIRE GUARANTY. All Tires and Rims used on Cadillac Automobiles are guaranteed by their makers and should be sent to them (not to us), transportation charges prepaid.

Send Hartford tires to HARTFORD RUBBER WORKS COMPANY, at any of the following addresses:

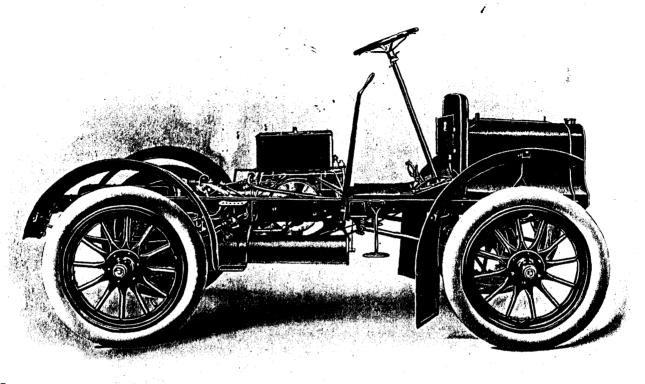
Hartiora, Conn.				•		•		
New York City	•						.`	88 Chambers Street
New York City								. 1769 Broadway
Boston, Mass.								494 Atlantic Avenue
Philadelphia, Pa.								138 North Tenth Street
Buffalo, N. Y.								. 686 Main Street
Cleveland, Ohio								. 1831 Euclid Avenue
Detroit, Mich.	•							256 Jefferson Avenue
Chicago, Ill.								. 83 Michigan Avenue
Denver, Colo.							•	. 1564 Broadway
San Francisco, Ca								1 Golden Gate Avenue
Los Angeles, Cal.					٠	380	Sc	outh Los Angeles Street

Send Morgan & Wright tires to MORGAN & WRIGHT, at any of the following addresses:

New York City							. 214 W. 47th Street
Boston, Mass, .					*		228 Columbus Avenue
Cleveland, Ohio							. 347 Huron Street
Dayton, Ohió .				٠.	7		. 417 E. 5th, Street
Minneapolis, Minn.							708 Hennepin Avenue
Detroit, Mich							265 Jefferson Avenue
St. Louis, Mo.						538	N. Vandeventer Avenue
San Francisco, Cal.							1067 Mission Street
Chicago, Ill							309 Michigan Avenue
Syracuse, N. Y.							212-14 So. Clinton Street
Philadelphia, Pa.		•			-		Broad and Vine Street
Atlanta, Ga.						-	35 Edgewood Avenue
Denver, Colo							. 1562 Broadway
Los Angeles, Cal.							. 940 So. Main Street
Portland, Oregon							. 86 Sixth Street

Send G. & J. tires to G. & J. TIRE COMPANY, at any of the following addresses:

Indianapolis, Ind.						
Cleveland, Ohio						, 337 Huron Street
Boston, Mass						43 Columbus Avenue
Chicago, Ill.						429 Wabash Avenue
Detroit, Mich						247 Jefferson Avenue
San Francisco, Cal.						327 Van Ness Avenue
Denver, Colo.						. 1528 Court Place
Buffalo, N. Y						9 W. Huron Street
Philadelphia, Pa.						. 711 No. Broad Street



**CHASSIS** 

#### Chassis

#### A Summary of Points Found in All Cadillac Cars

Single cylinder 5 inches x 5 inches, 10 h. p.; water cooled horizontal motor.

Copper water jacket. (Pat. pending.)
Mechanically operated vertical valves.
Variable inlet control. (Pat.)
Two speed planetary gear. (Pat.)
Mechanical force feed lubricator.
Interchangeable adjustable motor bearings.
Safety starting device.
Pressed steel frames.
Tubular radiator.
Jump spark ignition.
Spark Coil on dash.
Brown-Lipe spur differentials.

Balanced double acting clutch bands.
Two double acting brakes, with drums keyed direct to axle sections.
Steel hubs. Rear hubs taper fitted and keyed to axle sections.
Three spring suspension with rocker joint on front spring.
Adjustable ball jointed radius rods.
Ratchet foot pedal brake action.
Automatic elastic stop diaphram carburetor. (Pat.)
Rack and pinion steering gear.
Gasoline capacity, 7 gal. Water capacity, 3 gal.
Foot pedal, low-speed control.
High gear and reverse on hand lever.

## PRICES ON INCOMPLETE CARS Subject to Same Terms and Conditions as Complete Cars MODEL "M" CHASSIS INCLUDING DASH AND HOOD

With wheels and 30 x 3½ inch tires,

The tires included in above prices are either the Dunlop or Clincher types made by either the Hartford, Rubber Works Co., of Hartford, Conn., Morgan & Wright, of Chicago, or G. & J. Tire Co., of Indianapolis,

#### BODIES

#### NOT INCLUDING DASH OR HOOD

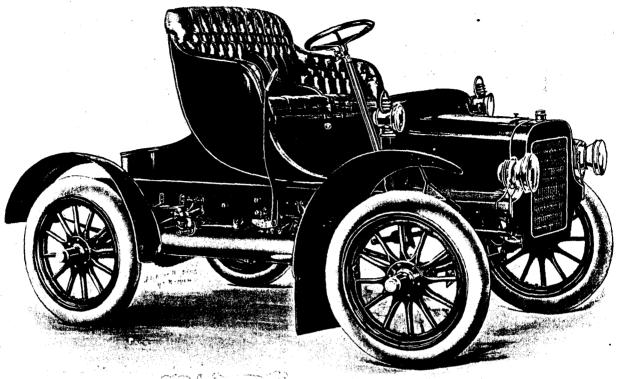
Bodies, Divided seat, standard finish, including upholstery and spring seat cushion \$75.00

MODEL K RUNABOUT BODY

MODEL M BODY

Double side door entrance, divided front seat, standard color, including upholstering and spring seat cushions, \$175.

All quotations are f. o. b. Detroit,



MODEL "K" LIGHT RUNABOUT
Price \$750.00 F. O. B. Detroit
Lamps Not Included.

Cadillac Model "Tk"

Light Runabout

HE SPLENDID SUCCESS of our last year's runabout, which proved by far the most popular can of its type, warrants us in predicting for its worthy successor, the Model K, an even greater demand. This model includes all of the special Cadillac features described in detail on preceding pages.

The ease with which it may be controlled and handled, and the fact that it may always be depended upon makes it particularly well adapted for all around business purposes.

As a pleasure car for two persons it has never been equaled. Its light weight admits of its being geared to run at the rate of 30 to 35 miles per hour, which is faster than most people care to ride over average roads.

We gear this car with 10 tooth sprocket on the motor shaft and 38 tooth on the rear axle. This gear is considered best adapted for general use on average roads and hills. For localities where very steep grades predominate, a 10-41 combination is of some advantage while a 10-34 combination affords the maximum speed in localities where the roads are smooth and level.

MODEL "K"
Light Runabout
Not Convertible

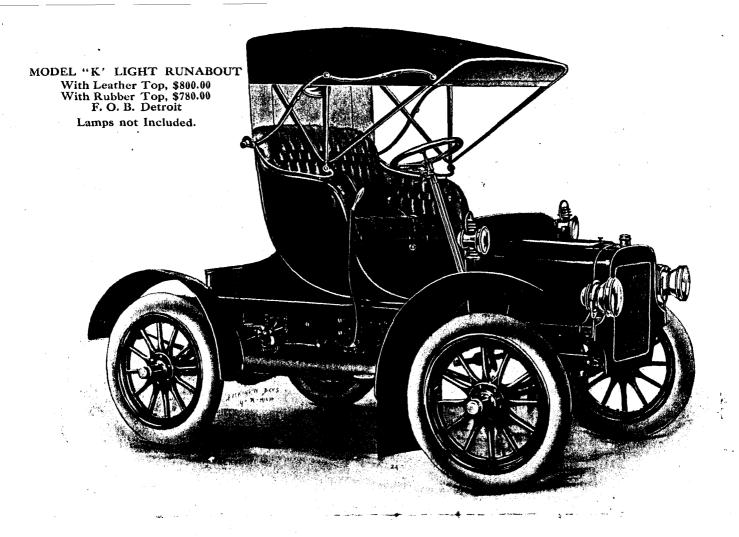
#### Standard Specifications

Axles .	Т	ubı	ılar	Bai	II F	roi	nt, I	Ну	att	Roll	er Reas
Tread, .			:				•			56	6 inches
Wheels, .							*	٠.		2	8 inches
Wheel Base,										7	1 inches
*Tires										28 x	3 inches
Body-Divided	1 se	at,	tris	nm	ed	in	ha	nđ	bŧ	iffed	leather
Color,							Sta	nd	ard	, see	page 18
Gear,											10-38
Weight,				1	Apı	pro	xin	nat	ely	1100	pounds
Length over al	1,								9	feet 2	2 inches
Width over all	١,								5	feet 8	3 inches
Height over al	i,			•					4	feet (	inches

#### Price, \$750.00, F. O. B., Detroit (Lamps not included)

The foll	low	ing o	pti	ons	can l	e i	furi	nishe	ed, subject, of
course, to	po	ssible	e de	lay	r:				
Tread,			•		•.				61 inches
Gear,		•		•	•		•		10-41 or 10-34

\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 19.



#### Cadillac Model "Ik"

Light Runabout with Top

UR Light Runabout, equipped with top, has always met with marked favor. The protection afforded in inclement weather, the ease with which the car may be handled and its general reliability, have given it a decided preference among physicians and business men whose calling necessitates their being out under all conditions.

The top is not an ordinary stock pattern but is made especially substantial to enable it to withstand the hard use to which it may be subjected.

This car will be equipped with either Rubber or Leather: Top. :
Prices include sides and storm apron of same material.

We gear this car with 10-tooth sprocket on the motor shaft and 38-tooth on the rear axle. This combination is best adapted for general use on average roads and hills. For localities where steep grades predominate a 10-41 gear is preferable.

MODEL "K" Light Runabout With Top

#### Standard Specifications

Axles			Tı	ıbı	ılar	Ba	II F	rο	nt, l	Ну	att	Roll	er Rear
Tread.		•										54	inches
Wheels,					٠.							2	8 inches
Wheel B	ase	,						•			•	7-	4 inches
*Tires,											. :	28 x	3 inches
Body-D	ivid	led	se	at	tri	mn	red	in	hai	nd	bu	ffed	leather
Color,									Sta	nd	ard	, see	page 18
Gear,	•						•		•				10-38
		. •		٠.	~		_						0.4

Price, Leather Top, Complete with Sides and Storm Apron, \$800.00 (Lamps not included)

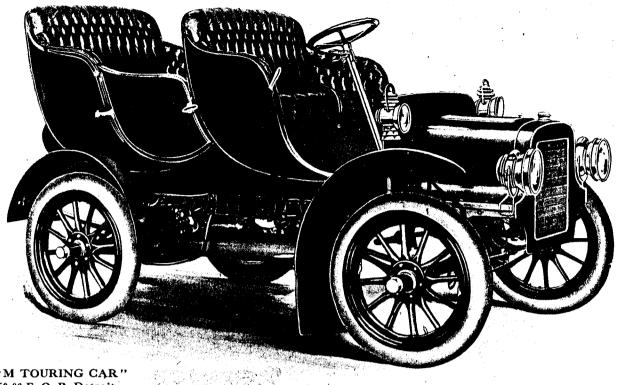
Price, Rubber Top, Complete with Sides and Storm Apron, \$780.00

F. O. B., Detroit

(Lamps not included)

The following options can be furnished, subject, of course, to possible delay:
Tread, 61 inches
Gear, 10-34 or 10-41

\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 19.



MODEL "M TOURING CAR"
Price \$950.00 F. O. B. Detroit
With Cape Cart Top \$1025.00
Lamps Not Included.

Cadillac Model "M" Light Touring Car

In THIS model we offer a car which for general utility will not suffer in comparison with any automobile regardless of cost. No effort or expense consistent with its price, has been spared to make it all that could be wished for in a light family car, easily capable of a speed of 25 to 30 miles per hour. In it are embodied all of the Cadillac special features, and we do not hesitate to assure our friends that it positively offers better value than any car selling at from 50 to 100 per cent higher, while with the advantages of economy in fuel and oil and low cost of maintenance generally, it has no competitor at any price.

The Model "M" is geared for maximum power and reasonable speed, the 10-41 sprocket combination being considered best for average roads and hills, while for specially hilly localities a 10-45 gear may be advantageous.

It will be found a constant car, ready for service at any and all times.

The seats are luxuriously upholstered and the tonneau is large and roomy.

The general design is of surpassing beauty and with our superb finish, gives it a tone of quiet richness which will not be excelled

The owner of a Cadillac Model "M" will never be ashamed of his car.

#### MODEL "M" (TOURING CAR

#### Not Convertible Standard Specifications

Axles, .		Τu	bu	lar	Bal	ll F	го	nt—ŀ	lyatı	Roller Rear
Tread,										56 inches
Wheels,	•									30 inches
Wheel Base										76 inches
*Tires, .									3	0 x 3½ inches
Color,								Star	dar	i, see page 18

Body-Double side door entrance, 18 inches wide, with divided front seat.

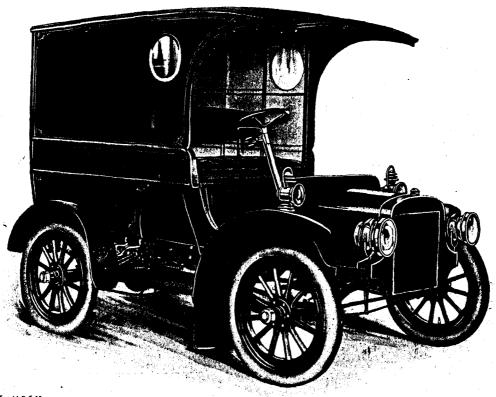
Gear, .		•				10-11
Weight, .		A	ppi	ox	ima	tely 1350 pounds
Length over all,			•			9 feet 7 inches
Width over all,						5 feet 8 inches
Height over all,	· .					5 feet 6 inches

#### Price \$950.00 F. O. B. Detroit. (Lamps not included.)

The following options can be furnished, subject, of course, to possible delay:

Gear,					10-38 or 10-45
Tread,					61 inches

\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 19.



CADILLAC MODEL "M"

Delivery Car

Price \$950.00 F. O. B. Detroit

Lamps Not Included.

## Cadillac Adodel "Ad" Belivery

IN THIS CAR we offer a thoroughly practical vehicle for light delivery and commercial service. For the past two years we have had five of these cars in constant use at our factory, doing the work of fifteen horses. We have also supplied a large number of them to numerous prominent establishments throughout the country who require an absolutely dependable vehicle for use all the year round.

Among the various lines of business in which these cars are utilized may be mentioned, Grocery, Dry Goods, Clothing, Shoes, Men's Furnishings, Milliners, Florists, Bakers, Electrical Goods, and many others. The experiences of those who have adopted them have been so satisfactory that we have yet to hear of the first concern who would entertain the idea of reverting to horse drawn vehicles.

For commercial service, the matters of economy in operation and maintenance are prime requisites, and the marked success which has attended our cars of this type is due in a considerable degree to these generally acknowledged Cadillac features.

## MODEL "M" DELIVERY Standard Specifications

Axles		Τı	ıbu	lar	Ball	F	ront,	Hy	ratt	Roll	er.	Rear
Tread,										56	ni d	ches
Wheels,										- 30	) in	ches
Wheel Bas	e,									76	in	ches
*Tires,									30	x 3⅓	in	ches
Color,							Sta	nd	ard,	see	pai	re 18
Gear,							. •					9-45
Weight,					A	pp	roxi	nat	ely	1400	pot	unds
		T	оp	no	t De	ta	chabl	le.				
Inside ]	Dim	ensi	ion	s								
Length.										.17	in	chos

 Length,
 42 inches

 Width,
 40 inches

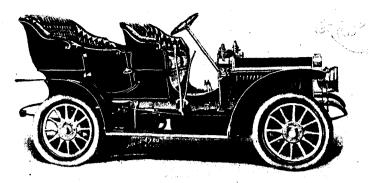
 Height,
 50 inches

 Capacity,
 500 to 600 pounds

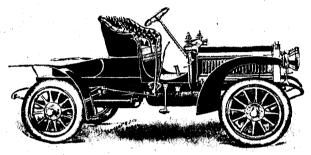
Price, \$950.00, F. O. B. Detroit.

(Lamps not included)

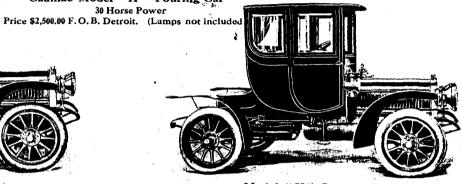
\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 19.



Cadillac Model "H" Touring Car 30 Horse Power

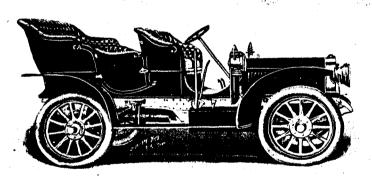


Model "H" Runabout 30 Horse Power
Price \$2,400.00 F. O. B. Detroit. (Lamps not included.)



Model "H" Coupe 30 Horse Power Price \$3,000.00 F. O. B. Detroit. (Lamps not included

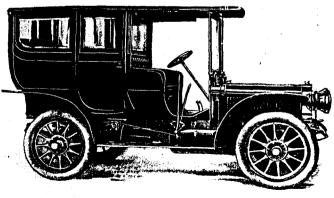
Our Special Catalog of Four Cylinder Cars will be Mailed Upon receipt of Request.



CADILLAC Model "L" Limousine 40 Horse Power Price \$5,000.00 F. O. B. Detroit. (Lamps not included.)

Our Special Catalog of Four Cylinder Cars will be mailed upon receipt of request.

CADILLAC Model "L" Touring Car 40 Horse Power. Price \$3,750.00 F. O. B. Detroit. (Lamps not included.)



## Prices, Terms and Conditions

PRICES on Automobiles and parts are positively net F. O. B. Detroit.

DISCOUNTS. We do not allow discounts excepting to bona fide automobile dealers who are properly equipped to conduct their business successfully and serve the best interests of Cadillac owners.

TERMS. Our terms on parts are strictly cash with order excepting to our regularly appointed representatives with whom we have accounts. We do not open accounts with others.

Orders accompanied by remittances will receive prompt attention, otherwise we will be obliged to hold them and write for the money.

When parts are desired by mail, the remittance must be sufficient to cover postage also. If remittance is more than sufficient, we will refund the amount overpaid.

REMITTANCES should be made by New York or Chicago exchange, Post Office money order or Express money order. When checks on local banks are sent, we hold the order until we receive returns from the check.

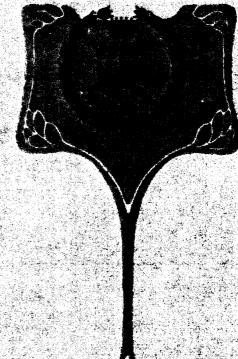
WHEN ORDERING, state definitely what is wanted. Do not leave anything to be inferred. Write and sign your order plainly, on a separate sheet from your letter. When ordering ANY part, always give the number of motor in your car. This is imperative. Also state the model and year's make of your automobile. A Price List of Parts will be sent to Cadillac purchasers upon receipt of request stating the Model of Car for which same is desired.

WHEN RETURNING GOODS to us for any reason, charges must be prepaid or they will not be accepted from the Railroad or Express company. They must also be tagged with YOUR name and address (or we cannot identify them) and accompanied by a letter of instructions.

CORRESPONDENCE. Our executive force is large, the finance, sales agency, order, repair and shipping departments being under separate heads. It is therefore important that correspondence bearing on different subjects should be written on separate sheets, dated and signed so that each may be sent immediately to the department to which it belongs, thereby making it unnecessary for one letter to go the rounds of several departments, which causes delay. Address all correspondence to the Company, not to individuals.

EXTRAS. When automobiles are to be shipped long distances, singly, it is sometimes advisable to have them crated. The cost of crating is \$10.00 extra, NET.

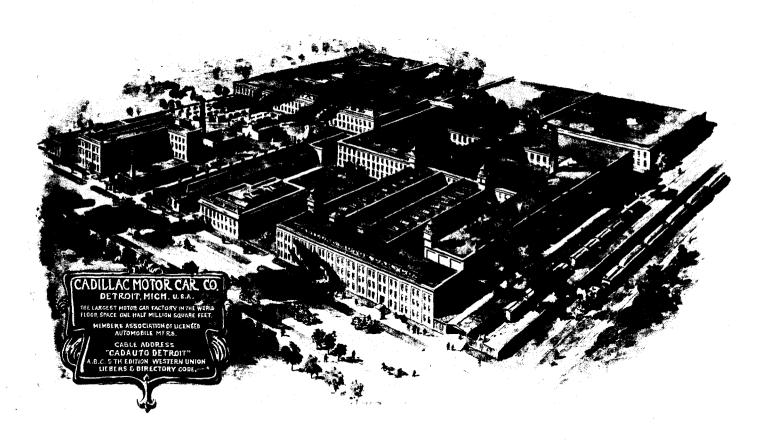
CADILLAC



CN 1# 49774

FILE PREVATIONS
REVATIONS
PUBLIC

PUBL



FIVE

CAD. CUPY # 29774-1



### foreword

HIS Advance Catalog is issued merely as an introduction to the line of Cadillac 1906 Four Cylinder Cars.

The name "CADILLAC" is in itself so significant of all that is good in automobile construction that the illustrations in this booklet with an outline of the essential features embodied in the construction of the cars are sufficient to satisfy the experienced motorist.

We have however in course of preparation, a catalog of our Four Cylinder Cars in which we shall enter more into details, both in descriptions and illustrations and which we shall be pleased to mail upon receipt of request.

CADILLAC MOTOR CAR CO., Detroit, Michigan.

> 29774-2 2**9**774-1

#### Cadillac "Model H" Couring Car

"Model H" Touring Car

#### "Model H" Runabout

"Model H" Coupe

#### SPECIFICATIONS

MOTOR. 30-Horse Power. Four cylinders, four cycle, 43% inch bore by 5 inch stroke, arranged vertically under hood, all parts readily accessible. Copper water jacket. Water cooled.

CARBURETOR. Special type for four cylinder motor, proven by exhaustive tests to be most effectual and economical.

COMMUTATOR. New and efficient design placed horizontally on vertical shaft with oil container.

IGNITION. Jump spark. Storage batteries. (Two sets.)

LUBRICATOR, Special Cadillac type, mechanical pump feed, quantity regulated by speed of engine.

RADIATOR. Honeycomb pattern of great capacity and exceptional cooling efficiency.

TRANSMISSION. Cadillac planetary type, specially cut and hardened gears, three forward speeds and reverse.

DRIVE. Direct shaft with specially cut and hardened bevel gears.

BEARINGS. Genuine Hess-Bright ball bearings throughout, including axles, front wheels, transmission and engine thrust bearings,

CONTROL. Very effectual by instantaneously acting governor.

BRAKES. Double acting, one set expanding inside and the other contracting on drums on rear wheels. Sufficiently powerful to lock wheels almost instantly.

STEERING GEAR. Our own new design, positive and reliable in its action.

FRAMES. Pressed steel, channel pattern.

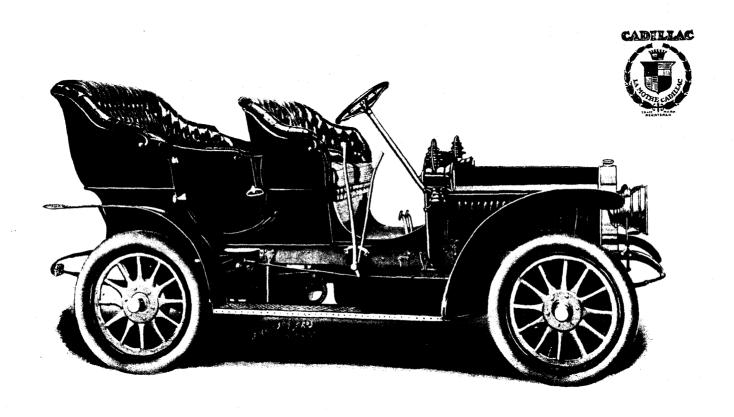
SPRINGS. Four spring suspension, semi-eliptic front, three-quarter elliptic rear.

BODIES, Exclusive Cadillac design of unusual elegance, upholstered in hand buffed leather over deep coil springs and genuine curled hair.

MATERIAL. Highest grade throughout. All parts made accurately to gauge and thoroughly interchangeable,

Wheel Base,				• .						100 inches.
Wheel Tread,										56½ inches.
Wheels, .										32 inches.
Tires.		_								4 inches

Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 12.

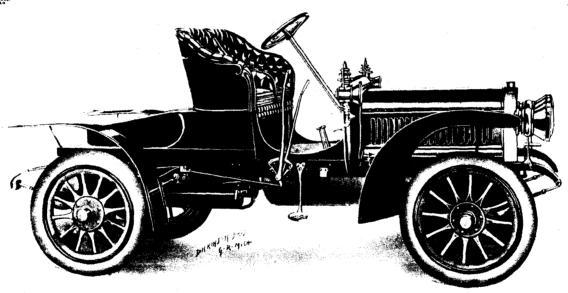


See Specifications Page 4

## CADILLAC "MODELH." TOURING CAR. PRICE \$2500.00 F.O.B. DETROIT (LAMPS NOT INCLUDED.)

CDO. COPY # 26096



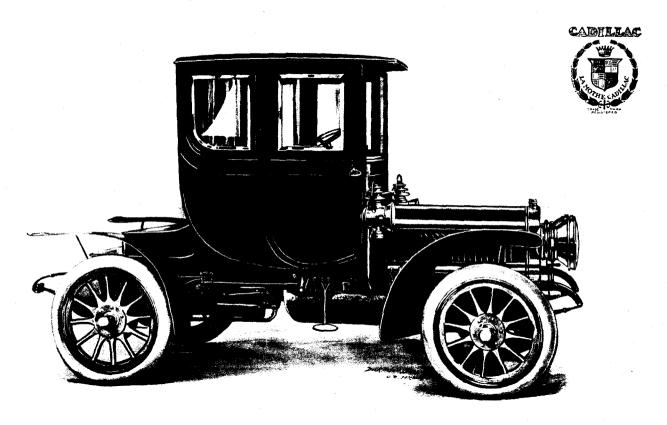


See Specifications Page 4

CADILLAC "MODEL H" RUNABOUT PRICE \$2400.00 F.O.B. DETROIT (LAMPS NOT INCLUDED)

CAD. COPY # 26504 8





See Specifications Page 4

CADILLAC "MODEL H." COUPE PRICE \$3000.00 F.O.B. DETROIT (LAMPS NOT INCLUDED)

CAO COPY # 26097

ブ

### Cadillac "Model &" Couring Car

#### SPECIFICATIONS.

MOTOR. Forty horse power, four cycle, 5 inch bore by 5 inch stroke, arranged vertically under hood, all parts readily accessible. Copper water jacket. Water Cooled.

CARBURETOR. Special type for four cylinder motor, proven by exhaustive tests to be the most effectual and economical.

COMMUTATOR. New and efficient design placed horizontally on vertical shaft with oil container.

IGNITION. Jump spark. Storage Batteries. (Two sets.)

LUBRICATOR. Special Cadillac type, mechanical pump feed, quantity regulated by speed of engine.

RADIATOR. Honeycomb pattern of great capacity and exceptional cooling efficiency.

TRANSMISSION. Cadillac planetary type, specially cut and hardened gears, three forward speeds and reverse.

DRIVE. Direct shaft with specially ground and hardened bevel gears.

BEARINGS. Genuine Hess-Bright ball bearings throughout including axles, front wheels, transmission and engine thrust bearings.

CONTROL. Very effectual by instantaneously acting governor.

BRAKES. Double acting, one set expanding inside and the other contracting on drums on rear wheels. Sufficiently powerful to lock wheels almost instantly.

STEERING GEAR. Our own new design, positive and reliable in its action.

FRAMES. Pressed steel, channel pattern.

SPRINGS. Five spring suspension, two semi-elliptic front, two semi-elliptic and one transverse spring in rear.

BODIES. Exclusive Cadillac design of unusual elegance, upholstered in hand buffed leather over deep coil springs and genuine curled hair, affording unexcelled luxuriousness.

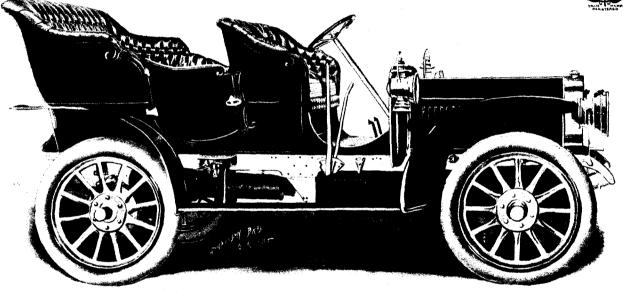
MATERIAL. Highest grade throughout, all parts being made accurately to gauge and thoroughly interchangeable.

Wheel be	ıse						110	inches.
Wheel tr	ead						561/2	inches.
Wheels							36	inches.
Tires				4 ic	ich i	front	41/6 in	ch rear.

Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options see Page 12.

CAD. COPY # 28774 - 1 1





See Specifications Page 8

CADILLAC "MODEL L." TOURING CAR
PRICE \$ 3750.00 F.O.B. DETROIT
(LAMPS NOT INCLUDED)

CAO. COPY# 26505 (8)

### Cadillac "Model &" Limousine

In the Cadillac "Model L" Limousine, we offer a car which embodies everything in automobile construction appealing to those who desire the maximum of comfort and luxury,

The Chassis is that of our regular Model L.

The body is large and roomy affording a seating capacity for five persons inside and for two persons on the front seat. It is substantially constructed and elegantly finished, upholstered in morocco leather over steel coil springs and the ceiling upholstered in satin. It is equipped with electric light, electric signal bell, speaking tube, etc.

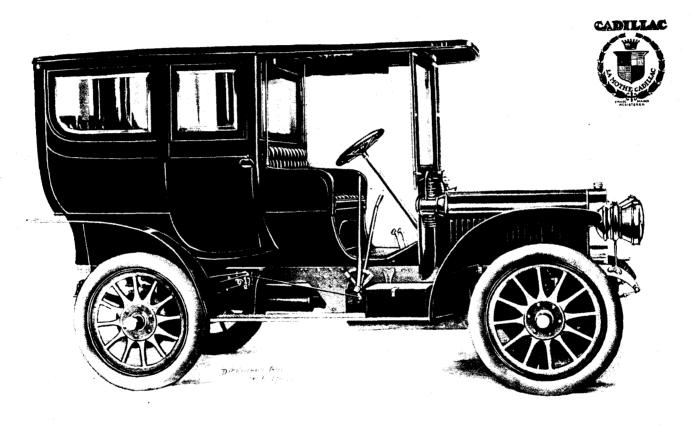
The French Plate Glass in windows and doors may be lowered when so desired.

Horse Power,				40
Wheel Base,				110 inches.
Wheel Tread,				56½ inches.
Wheels,				36 inches.
Tires, .		4 inch	front,	4½ inch rear.

Unless otherwise specifed, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 12.

See Special Mechanical Features, page 8.

CAD COPY # 28774-240



See Specifications Page 8

CADILLAC "MODEL L". LIMOUSINE PRICE \$5000 F.O.B. DETROIT (LAMPS NOT INCLUDED)

CAD COPY # 17058-A

#### TIRES

N order to ofter Cadillac purchasers the choice of a number of different tires which can be furnished without the delay usually entailed by such options, we have at heavy expense, had perfected for us a Universal Rim to which may be fitted either of the six following styles of tires.

DUNLOP TYPE
HARTFORD
MORGAN & WRIGHT
INDIANAPOLIS G & J

CLINCHER TYPE HARTFORD MORGAN & WRIGHT INDIANAPOLIS G & J

Unless otherwise ordered, we will equip to this Universal Rim, the Hartford Dunlop tires on all cars listed in this catalogue. We will, however, when so ordered, equip cars with any other make of tire ABOVE MENTIONED without extra charge.

#### TIRE GUARANTY

All Tires and Rims used on Cadillac Automobiles are guaranteed by their makers and should be sent to them (not to us), transportation charges prepaid.

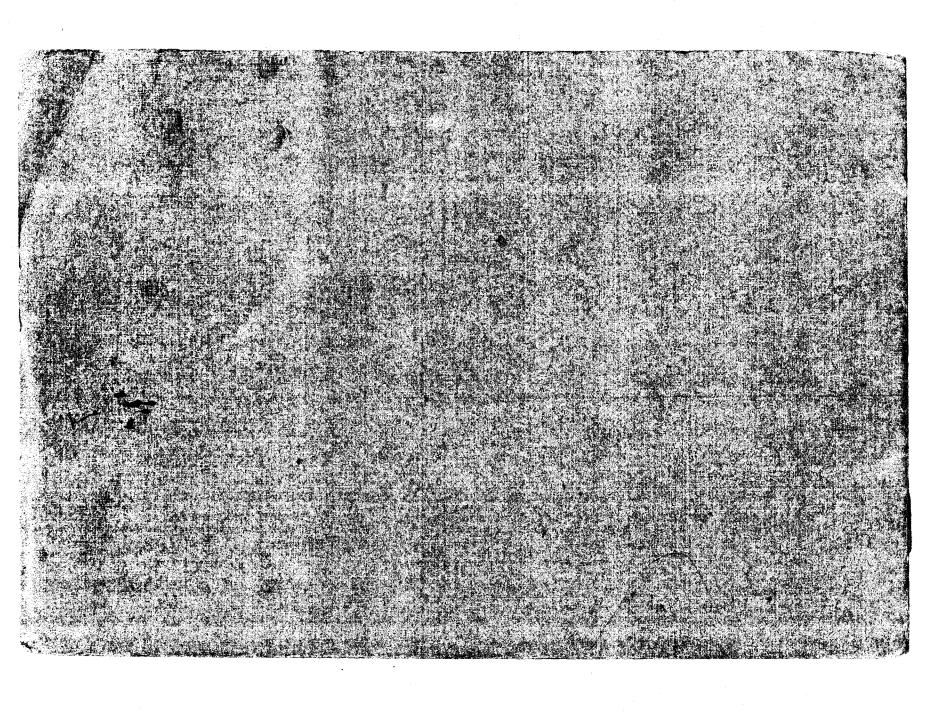
SEND HARTFORD TIRES TO HARTFORD RUBBER WORKS COMPANY	AT ANY OF THE FOLLOWING ADDRESSES,
--	------------------------------------

Hartford, Conn. New York City New York City Boston, Mass. Philadelphia, Pa. Buffalo, N. Y.		•	•			•			•		•	. 88 Chambers Street 1769 Broadway 494 Atlantic Avenue 138 North Tenth Street 686 Main Street	Cleveland, Ohio Detroit, Mich. Chicago, Ill. Denver, Colo. San Francisco, Cal. Los Angeles, Cal.	٠		•	•		•	•	. 1831 Euclid Avenue . 256 Jefferson Avenue . 83 Michigan Avenue . 1564 Broadway . 501 Golden Gate Avenue . 880 South Los Angeles Street
---	--	---	---	--	--	---	--	--	---	--	---	---	--	---	--	---	---	--	---	---	---

#### SEND MORGAN & WRIGHT TIRES TO MORGAN & WRIGHT AT ANY OF THE FOLLOWING ADDRESSES

			 	 	 _			· · · · · · · · · · · · · · · · · · ·	44 CANA 1-4 14-1-		 			 	 	
New York City								214 W. 47th Street	Chicago, Ill							9 Michigan Avenue
Boston, Mass.							22	Columbus Avenue	Syracuse, N. Y.						212-	14 So. Clinton Street
Cleveland, Ohio								347 Huron Street	Philadelphia, Pa.							oad and Vine Street
Dayton, Ohio				•				417 E. 5th. Street	Atlanta, Ga						35	Edgewood Avenue
Minneapolis, Minn Detroit, Mich.	٠.							8 Hennepin Avenue	Denver, Colo			•	٠	•	•	. 1562 Broadway
		•			•			65 Jefferson Avenue	Los Angeles, Cal.	-					•	940 So. Main Street
St. Louis, Mo.	. •				5	38 N	1. V	andeventer Avenue	Portland, Oregon							. 86 Sixth Street
San Francisco Ca								1067 Mission Ctusse								

	J TIRES TO G & J	TIRE COMPANY AT	ANY OF THE FOLI	LOWING A	DDRESSES	
Indianapolis, Ind. Cleveland, Ohio Boston, Mass.	Chicago, Ili Detroit, Mich.	337 Huron Street 43 Columbus Avenue 429 Wabash Avenue 247 Jefferson Avenue	San Francisco, Cal. Denver, Colo. Buffalo, N. Y. Philadelphia, Pa.			





但些

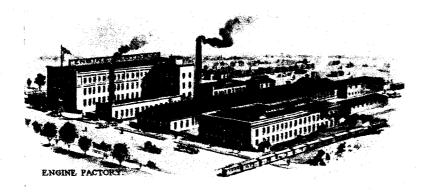
CATALOGUE OF

# FOUR EXEMPER MOTOR CARS



[四岁] 并第27次4





# CADILLAC MOTOR CAR CO.

MEMBER A GOODATED LICENSED AU FORSOBBLE MANUFACTURERS

#### EACTORY AND GLEERAL OFFICES. DETROIT, MICH.

KANGE ARRECT "CADACTO, DEFROIT"

CODE. 31

C. NO CONTON MESSER'S N. STELL NOW, BOSCO TORY

THE THE AND BEST FOR ITTED ENCROPE OF THE ACORD BRADIES GANGLOWS OF THE 



# \*\* THE CADILLAC \*\*

The history of the Cadillac is largely the history of successful and practical motor car building in America.

Commencing a few years ago with the manufacture of our single cylinder car, an automobile which is by far the best known and most popular in America as well as in many foreign localities, we have not simply kept pace with the times but rather have set the pace in high grade construction.

So rapidly did the merits of the Cadillac command popular favor, that in less than two years from beginning their manufacture, our output was the second largest, and the end of the third year found us the largest makers of motor cars in the world. The past year, our output was almost, if not quite, equal to that of any two other makers combined.

Our facilities and equipment are unequalled. Our enormous plant is one of the most modern in existence and is replete with the latest, most improved and best machinery possible to obtain.

The Cadillac Motor Car Co. is a consolidation of the Cadillac Automobile Co. and the Leland & Faulconer Manufacturing Co. The reputation of the latter for the highest grade of machine work and for excellence in motor construction is world-wide. During the past decade that Company had made more gasoline motors for automobiles and other purposes than any other factory in existence. Its product, including gasoline motors, transmission gears, and other parts requiring the highest grade of material and the most skilled workmanship, had for several years been almost entirely absorbed by the Cadillac Automobile Co., and the uniting of the two establishments into one Company, under one management, brought into existence the largest and most complete organization in the world for the production of high grade motor cars.

It will be readily understood that this concentration makes possible an appreciable lessening of the cost of production, owing to the fact that nearly everything that enters into the

construction of our cars is made in our own plants, directly under our own supervision. This not only enables us to more closely dictate how and what materials shall be used, but obviates the necessity of our paying a profit to a score or more makers of the different components necessary in the construction of the modern motor car.

It is largely because of this situation, that in Cadillacs we can offer values which cannot be excelled in cars selling at from twenty-five to fifty or even one hundred per cent higher but which are necessarily produced under less favorable and less economical manufacturing conditions.

While it is true that the mechanical principles and various appliances embodied in our cars are nearly all exclusive Cadillac features, yet when their efficiency can be increased by so doing, we do not hesitate to adopt, purchase and equip our cars with appliances of outside manufacture.

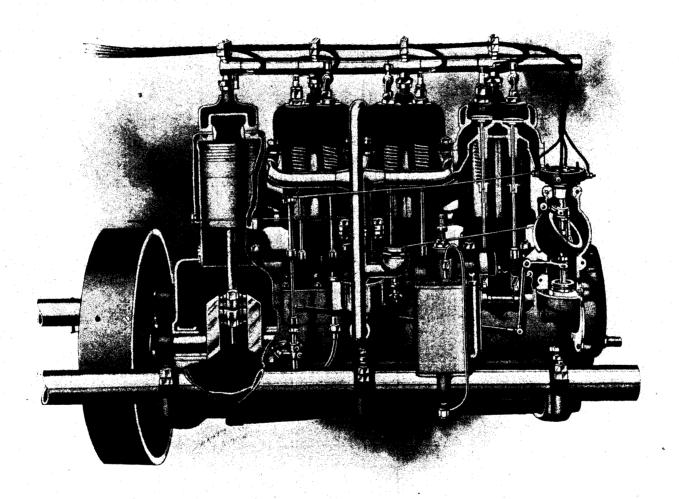
The Cadillac Model "H" described in this Catalogue, is the result of more actual experience in the manufacture of gasoline motors and motor cars than any other four cylinder car made. That the Cadillac Company knows how to build motor cars and build them right, is universally recognized. The Model "H" is the best we know how to build.

In the purchase of a motor car there are several points of prime importance which the experienced and practical motorist considers:—General Efficiency, Accessibility, Simplicity, Durability, Interchangeability, Economy and—"Value Received."

With these requisites in mind, we believe that in the four cylinder Cadillacs, we have obtained the most evenly balanced combination of the several virtues which human genius has yet been able to accomplish.

While the Cadillacs possess an abundance of "talking points," there is not one of them whose value ends in being simply a "talking point," but they are genuinely features of merit and adopted only because they are such.

page three



CADILLAC FOUR CYLINDER MOTOR RIGHT SIDE NOTE THE ACCESSIBILITY OF ALL PARTS

name four

## ቀቅ CADILLAC MOTORS - ቀቀ

The Cadillac Motors, which are of the four cylinder, four cycle type, of 4% inch bore by 5 inch piston stroke, are the product of that department of our plant which for many years was owned by the Leland & Faulconer Mfg. Co., one of the oldest and best known makers of gasoline motors in the world, and which establishment is now actually part of the Cadillac organization. The supervision of the institution remains as heretofore, so it will be readily seen that we are well qualified by experience.

The cylinders are cast individually, and not in pairs or all together. The cylinder heads containing the valve chambers and combustion chambers are also cast separately and attached to the cylinders by right and left threaded nipples.

The Cadillac system of copper water jacketing is original with us, and the fact that it has been widely copied shows how highly its efficiency is appreciated by other makers. This construction, having the cylinders, cylinder heads and water jackets made separately, has several distinct advantages.

The cheap method, ordinarily used, is to cast the cylinder and jacket together, coring to make the space between them. This usually does not produce a combination with a uniform space between the two for water circulation. The maker cannot detect the fault because of inaccessibility but it will not be long until the innocent purchaser awakens to the results of its imperfection. It will be readily understood that with the thickness of the cylinder wall not uniform, it cannot be cooled evenly throughout its entire surface, the result being that the motor cannot develop the power which it otherwise might, for the reason that the expansion or contraction will not be uni-

form, in consequence of which the piston will bind at some points of its travel and be too loose at others thereby losing compression.

Another valuable feature in our method of making cylinders, cylinder heads and water jackets separately is, that in case of damage to one part, it is necessary to replace only that particular part. On the other hand, where two or more cylinders or cylinders and water jackets are cast together, even a slight damage to one part necessitates a replacement of the entire combination, entailing considerable expense.

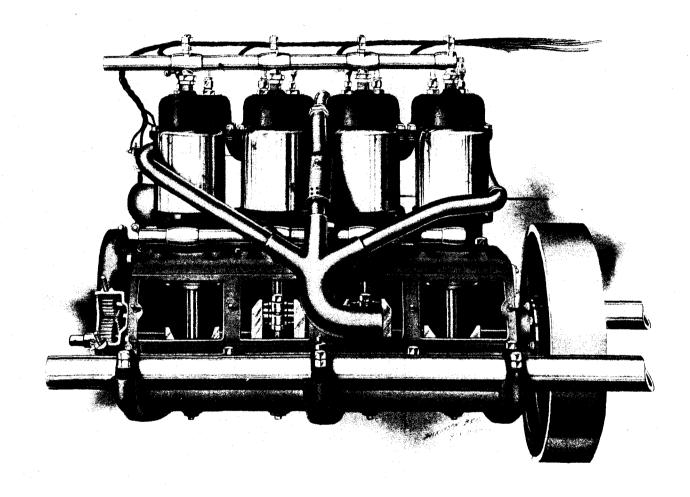
The cylinders are cast in our own foundry from a special grade of metal made after our own formula, and possess remarkable strength. After being bored, they are carefully finished until smooth as glass.

The pistons are also made in the same painstaking manner and like the cylinders are made according to our system of limit gauges. Neither is permitted to pass inspection if it exceeds the prescribed limits of measurement which are specified to the one-thousandth part of an inch. The piston rings are made with the same precision.

The piston connecting rods are steel drop forgings of "H" section. The crank shaft is also a steel drop forging and undergoes a special tempering process to give it strength and toughness, the bearing surfaces being carefully ground.

The crank shaft bearings are of large surface, made of babbit and backed by bronze. As these bearings are "halved" it permits of their being removed and replaced without the necessity of disturbing the shaft.

page five



CADILLAC FOUR CYLINDER MOTOR LEFT SIDE (REAR VIEW) SHOWING OPENINGS IN GRANK BASE

page six

CAD COPY # 26095

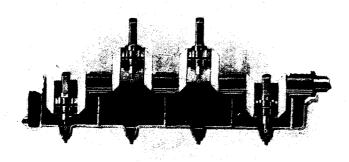
2

The mechanically operated inlet and exhaust valves are interchangeable, and being all located on the same side of the motor, their action is all controlled by a single cam shaft which has but a rotary movement. The cams are hardened steel, and as the lower end of each valve rod is provided with a hardened steel roller and pin; there is practically no opportunity for wear on either.

The main clutch is composed of two leather-faced discs contained within the fly wheel, which is hollow. This main clutch normally connects the motor with the transmission, but may be disengaged by a foot lever or either brake lever, permitting the motor to run with the transmission stationary.

The cylinder heads containing the valve chambers, are provided with compression relief cocks which may also be utilized for priming.

The foregoing illustrations will give a comprehensive idea of the ready accessibility of all parts of the motor which may require attention, everything being within easy reach by simply raising one side of the hood.

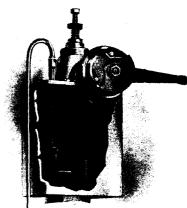


Cadillac Crank Base showing Crank Bearings and Oil Distributing Troughs

The crank shaft with the piston connecting rod bearings is accessible by removing the covers from the openings in the crank base as shown in the rear view of the motor

All gears including those operating the cam shaft and water circulating pump are accurately cut by special machiners, encased, and positively dust-proof.

The lubrication of the motor is accomplished by an auto-



Cadillac Force Feed Lubricator

matic splash system. The Force Feed Lubricator is situated alongside the motor, its pumping arm being attached to and operated by one of the valve lifting rods. From the lubricator, the oil flows through a sight feed located on the dash of the car and from there to the crank case of the motor where it enters the rear compartment and settles in the well. From here the revolving of the crank shaft splashes it into the sloping troughs on the side wall carrying it forward from one compartment to another. All working parts of the motor are adequately lubricated by this system, the efficiency of which has been thoroughly demonstrated, and is such that the oil is evenly distributed.

'As the lubricator is operated by the motor, the supply is regulated according to its speed and when properly set, insures the correct quantity being supplied at all times.

The Motor Base or Crank Case is an aluminum casting made in two pieces, having four compartments, the dividing walls of which act also as supports for the crank shaft bearings. The motor entire is supported by heavy steel tubes which in turn are supported by the pressed steel cross members.

An especially efficient cooling system is provided. The radiator is of the honeycomb type with ample radiating surface, the air draft being augmented by a revolving fan mounted on ball bearings, and an active water circulation promoted by means of the gear driven force pump.

The commutater (shown with cover removed) is of an approved type set horizontally upon a vertical shaft directly above the governor. It has an oil container and its accessibili-

ty will be thoroughly appreciated.

The carburetor is a standard float feed type which was adopted by us for these four cylinder cars only after some months of careful and exhaustive tests both in our experimental department and on the road, and proved itself the most efficient for all around use as well as the most economical.

The material and construction of the entire motor is as near perfect as the latest improved machinery and skilled workmen can produce. Its well balanced proportions produce a smoothness, evenness and quietness in action that has never been

excelled in any motor.

All parts are made accurately to gauge and are thoroughly interchangeable, which means that all parts of a kind are exactly alike and that when for some reason it becomes necessary to replace a part, that it may be ordered with the assurance that it will fit.

#### CADILLAC AUTOMATIC GOVERNOR

In our new balanced ring type governor, we have a device which is proving itself one of the most efficient, most appreciated and greatest improvements applied to a motor car. While the basic principles of this type of governor are not new, the ingenious application and adaptation are original with us, and it possesses many points of superior and practical advantage.

This governor is encased in an aluminum housing, but is shown in the illustration with half of the housing removed.

The vertical shaft (A) runs on ball bearings at both its upper and lower extremities and is driven by gears from the cam shaft. The governor ring (B), it will be understood, is normally in the position indicated in the illustration. As the

motor speed increases, revolving the shaft (A) with the ring (B), the centrifugal force tends to cause the ring to assume a horizontal position as indicated by the dotted lines. This tendency, however, is opposed to some extent by the tension of the spiral spring (C), and the tension on the spring is regulated by the driver of the car through the connecting rod (H) and arm (J) by means of the governor controlling lever at the steering wheel, which is provided for the purpose of increasing or decreasing the speed of the car.

As the ring tends toward the horizontal position, caused by the speed of the motor, it pushes upward on the link (D) which raises the collar (E). This acts on the arm (F) which pulls on the rod (G), partly closing the throttle, which of

course causes the motor's speed to decrease.

With this type of governor, it is possible to maintain practically a steady speed of the car with but little variation regardless of grades up or down, or road conditions, the action

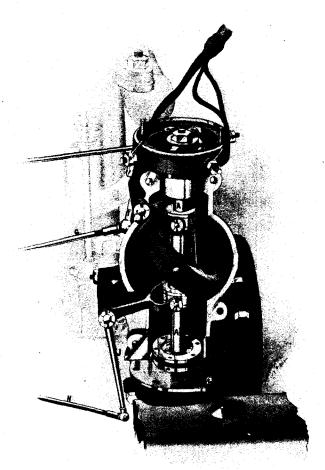
of the governor being entirely automatic.

To illustrate:—Suppose a car is running at say twenty miles per hour. Upon encountering a grade the tendency of the motor would be to slow down somewhat owing to the increased power consumed to ascend the grade. But as soon as the speed of the motor commences to decrease, the governor ring will not revolve so rapidly, consequently there is less centrifugal force to hold it up and it begins to assume an oblique or slanting position. But in so doing it automatically opens the throttle further thereby giving the motor a heavier charge and more power with which to accomplish the extra labor required. This same principle applies when striking a bad piece of road, sand or mud.

Again—Suppose the car starts descending a grade; the burden on the motor being removed, the tendency would naturally be for the speed to increase, but as soon as this commences, it causes the ring to move toward the horizontal position and consequently partly closes the throttle, decreasing the charge, which, of course, decreases the speed of the motor. The same illustration will apply in cases where the main clutch is suddenly disconnected. Ordinarily this would allow a motor to "race," but the governor automatically throttles it down

at once

page eight



Cadillac Automatic Governor with Commutator Above

In case of emergency, where it is desirable to obtain an instant increase of speed, it can be accomplished by simply pressing with the foot on the accelerator pedal in the floor of the car. This opens the throttle instantly without touching the governor lever at the steering wheel, but immediately upon releasing the accelerator pedal, the car settles back to the speed at which the governor lever is set.

The governor may be set at any desired speed within the capabilities of the car and that speed will be practically maintained with but little variation, the action and efficiency of the governor being uniform at all speeds and under all road conditions.

While the commutator is located just above the governor and is actuated by the governor shaft, yet the two have no direct relationship, the timing of the spark being controlled by a separate lever at the steering wheel.

This governor is but one of the numerous exclusive fea-

tures embodied in Cadillac Cars.

#### CADILLAC PLANETARY TRANSMISSION

The fact that there are over ten thousand Cadillac Motor Cars in use throughout the world, every one of which is equipped with our planetary transmission and every one of them proving serviceable and satisfactory in the highest sense of the word, is ample evidence of the merit of our type of construction.

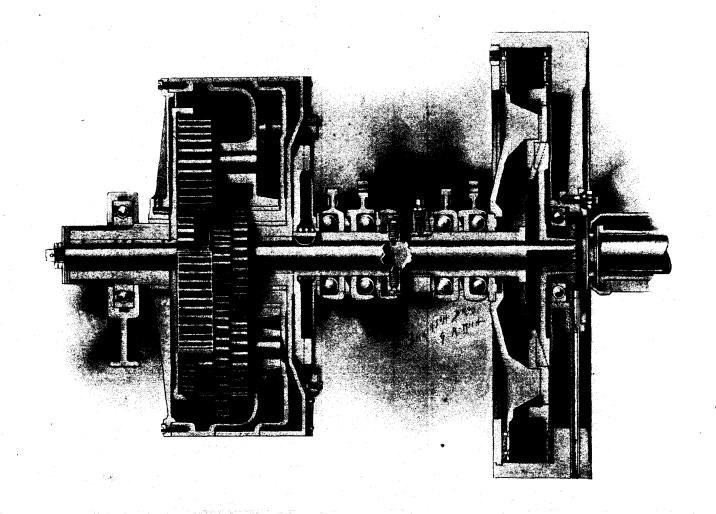
The three forward speeds and the reverse are all controlled by one lever at the side of the car.

The gears are all accurately cut by special machinery, then hardened and each runs on a bronze bushing or bearing.

This type has many decided advantages over any other form of transmission. It requires but a single movement to change from one speed to another, and as no skill is required, this can be accomplished by a mere novice as well as by an expert, it being impossible to "strip" the gears in changing.

The method of bringing the different sets of gears into service is such that when one set is engaged, the others are automatically disengaged. The car must run on one gear or another. It cannot try to run on two different gears at the

page nine



CADILLAC PLANETARY TRANSMISSION AND FLY WHEEL MOUNTED ON HESS-BRIGHT BEARINGS.

page ten

same time (as in some types of transmission—with a good sized repair bill as a result.)

All gears are continually in mesh. There are no sliding parts. The gears run in oil and are practically silent. There is no jar or sudden strain in starting at any speed, it being possible to start the car with the high speed engaged and pro-

ceed at a snail's pace if occasion requires.

In the Cadillac type of construction, the internal gears of transmission need be brought into service only in cases where extreme power is required. When the high speed clutch is engaged, the entire transmission is clamped together as one piece and the car is driven direct from the motor shaft, the whole transmission acting as an additional fly-wheel. There are no revolving gears when the car is on direct drive, hence but very little opportunity for wear, although amply capable of withstanding it.

The main shaft which supports the transmission, revolves on Hess-Bright Bearings, the rear bearing being located just outside the transmission gear case and the forward bearing

being located inside the fly-wheel.

The entire mechanism has been most carefully designed and constructed. All parts are made accurately to gauge and are thoroughly interchangeable.

It is without question the most simple, the most durable and withal the most practical motor car transmission ever devised.

#### **ELECTRICAL SYSTEM**

The ignition is by the jump spark system with quadruple coil located on the dash of the car and two sets of storage batteries, one set for use and the other for reserve.

The commutator (shown in the illustration of motor also with the governor) is of an approved type, set horizontally upon a vertical shaft, with an oil container. While the position of the commutator is directly above the governor and is actuated by the same vertical shaft as the governor ring, yet they have no direct relation one with the other, the locating of the commutator at this point being purely a matter of accessibility.

#### CONTROL

The controlling system consists of the speed change lever and the emergency brake lever located at the side of the car. There are two foot levers, one of which operates the main clutch only. The other applies the contracting brakes and disengages the main clutch at the same time.

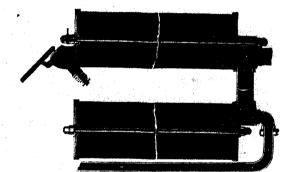
The spark lever and the governor controlling (throttle)

lever are located conveniently at the steering wheel.

The accelerator, which is explained under description of the governor, and is for the purpose of obtaining an instant increase of speed, is operated by a foot lever.

#### THE CADILLAC MUFFLER

The four cylinder Cadillacs are equipped with a double counter current muffler, having two chambers 30 inches long each by six inches diameter, set parallel with the chassis frame.



Cadillac Counter Current Muffler

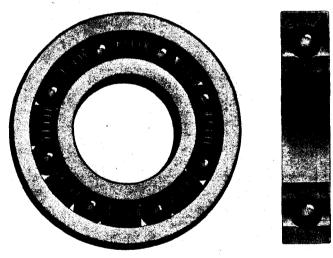
The arrows indicate the course—entrance, circulation and exit—of the burnt charge from the motor. The exhaust first enters the left hand chamber where it circulates and then through the passage and into the other chamber. After circulating there it finally passes through the exhaust tube and out.

page eleven

The muffler chambers are not pierced; they have no openings except as indicated. There are no metallic or mechanical obstructions to the passage of the exhaust and while back pressure is reduced to a minimum, a cut-out is also provided and operated by a foot trigger in the floor of the car.

#### HESS-BRIGHT BALL BEARINGS

In the average motor car, particularly those of the four cylinder class, a large percentage of the power developed by



Hess-Bright Ball Bearings

the motor is consumed by friction—lost—wasted. In some cases this has been demonstrated to be as high as 30 to 40 per cent.

In order that the greatest possible amount of power may be actually utilized, that is, "delivered to the ground," we equip the Cadillac Model "H" at the most vital points with the genuine Hess-Bright ball bearings, using ten in all, viz., two in each front wheel, one in each rear wheel, two on rear of main drive shaft and two on the transmission shaft.

These bearings are universally recognized as the highest type and nearest perfect ever devised. They are made of the best grade tool steel and both races and balls are gauged to the one-ten-thousandth part of an inch. They are practically frictionless and indestructible, and as they are almost void of wearing possibilities, no adjustment of any kind is necessary. This obviates all opportunity for injudicious handling.

Between the balls, are steel coil springs packed with felt. The latter, after being saturated with oil, will lubricate the bearings sufficiently for months without further attention.

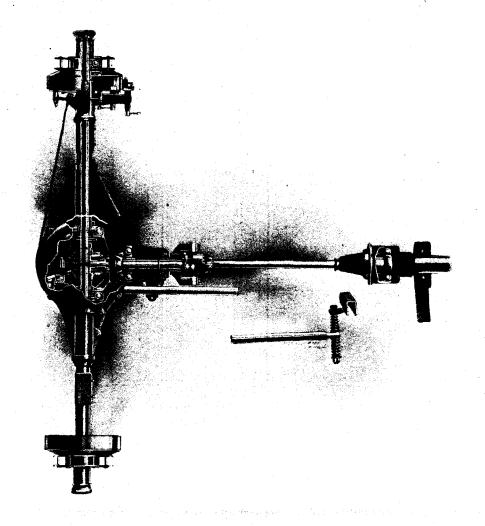
#### AXLES

The construction of the rear axle, together with the main driving shaft and the two universal joints, is shown in the accompanying illustration. The aluminum housing of the differential and driving gears affords maximum strength with minimum weight. The live-axle housing is of steel tubing which at its outer ends supports the Hess-Bright Bearings in the rear wheels. It will be noted that these bearings are directly in line with the spokes of wheel. The weight of the car is carried by the rear axle tube and not by the live axle, the duty of the latter being only to transmit rotation to the wheels, the bearings of which are supported by the axle tube.

The universal joints possess several features of superiority and their construction will be understood by reference to the illustration. Lubrication of these joints, which is of great importance, has been amply provided for. The rear joint is a double knuckle, the friction surfaces of which have their

page twelve

29776-8 x



#### CADILLAC REAR AXLE SHOWING DIFFERENTIAL AND BEVEL GEAR DRIVE WITH DRIVING SHAFTAND UNIVERSAL JOINTS ALSO SHOWING HESS-BRIGHT BEARINGS OF REAR WHEEL.

page thirteen

bearings in bronze bushing caps. The construction is such that the oil is evenly distributed and the tendency is to expel rather than to admit dust to the bearing surfaces.

The forward universal joint, through which power is transmitted to the driving shaft, is of the ball and socket type, the socket being elongated to provide for the slightly variable distance between axles occasioned by different weights carried by the car and driving over rough roads. The balls and sockets are of case hardened steel and provision is made for packing the joint with lubricant.

The front axles are of steel tubing with drop forged steering knuckles and wheel spindles. Each front wheel revolves upon two Hess-Bright Bearings, the large set being in line with the spokes.

#### SPRINGS

Nothing contributes more to the pleasure of motoring than ease and comfort. Nothing detracts from the pleasure more than the absence of these important requisites which in the Cadillacs have been the subject of most careful consideration and skillful designing.

The spring suspension of the "Model H" consists of two semi-elliptic springs in front and two three-quarter elliptic springs in the rear.

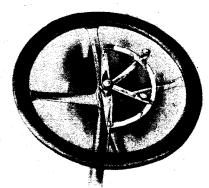
The illustration on page 16 will give a comprehensive idea of the principles and advantages of the rear suspension, permitting as it does, a wide range of movement for easy spring action and the absorption of vibration.

With the unusual comfort and luxury afforded by the "Model H," it practically carries its own good road with it.

#### CADILLAC STEERING MECHANISM

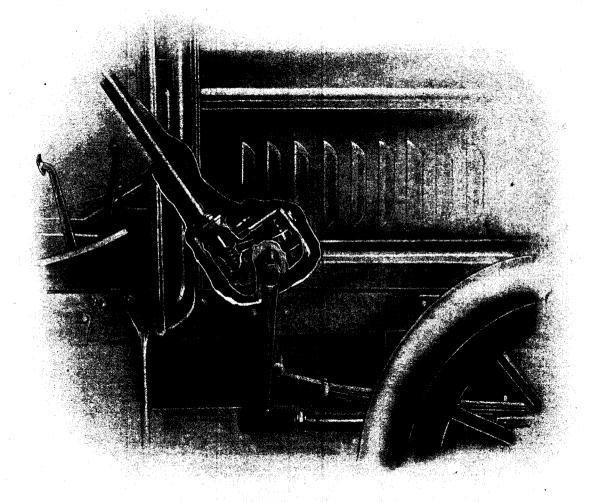
The Cadillac Steering Mechanism is worthy of special mention. The steering staff is provided with two sets of ball bearings. The case (K) containing the steering gear is attached rigidly to the frame of the car and the yokes or jaws (L) are keyed firmly to the rocking shaft (M) which has its bearings in the gear case at (N).

The nut or sleeve (O) is threaded inside, and into these threads, the threaded end of the steering staff turns. Turning the steering wheel causes the yokes or jaws (L) with the rocker shaft (M) to swing upon its bearings (N) and this moves the arm (P) backward or forward, as the case may be, and through the connecting rod (R) controls the front wheels. It will be noted that the nut or threaded sleeve (O) is divided crosswise; and that its trunnions have their bearings in the steel blocks (S). While the opportunity for wear here and in the threads is very slight, it is important that provision be



Cadillac Steering Wheel with Spark Lever and Governor Controlling Lever

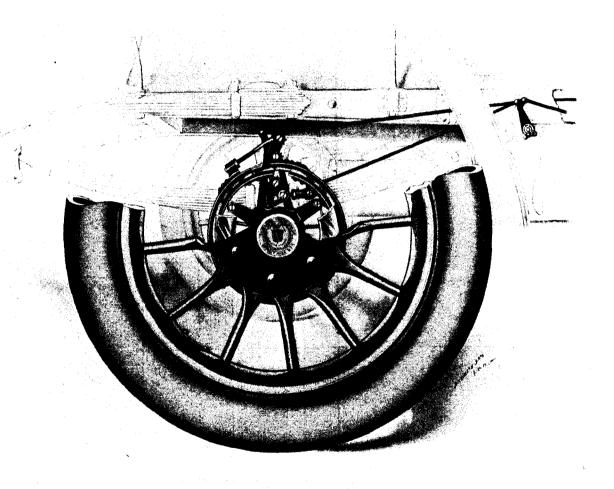
page fourteen



CADILLAC STEERING MECHANISM.

page fifteen

29776 -11 X



CADILLAC DOUBLE ACTING EXPANDING AND CONTRACTING BRAKE SYSTEM.
ALSO SHOWING REAR SPRING SUSPENSION OF MODEL H.

page sixteer

made for taking up even such wear. This is accomplished simply by turning the screw (T) which clamps the opposite ends of the yokes more closely together and with them the threaded sleeve. Access to this adjusting screw is provided by an opening (U) in the steering gear case.

#### CADILLAC DOUBLE ACTING BRAKES

Every motorist realizes the importance of an effectual and reliable brake system. The Cadillacs are doubly equipped, having two pairs of double acting brakes, one pair contracting on and the other pair expanding within drums attached to the rear wheels, each pair being operated independently of the other.

The brakes which contract on the hub drums are applied by a foot lever and the pair which expands within the drums is applied by the ratchet hand lever at the side of the car. The arrangement is such that in applying either brake, the main clutch is thrown out, disconnecting the motor from the driving mechanism, both in one movement, although the clutch may be disengaged without necessarily applying the brakes.

An inspection of the accompanying illustration will serve to show the action of these brakes which are sufficiently powerful to lock the wheels of the car almost instantly. The mechanism is protected from dust by sheet metal shields.

#### WHEELS

The Wheels are the Artillery Type made from best selected second growth hickory, with steel hubs, substantially constructed.

FENDERS. Our Fenders are special Cadillac pattern, formed from sheet metal and so designed that they will be found very effectual in protecting both the car and its occupants.

THE DASH is of pressed steel, hollow and substantially re-enforced.

FINISH. The finish of the lower part of the bodies is black, while the upper parts, including seat panels and doors, is purple lake with carmine striping. The purple lake (a deep wine color) gives a finish of the very latest style and taste, which for quiet richness and beauty will not be excelled.

The seats are luxuriously upholstered in genuine hand buffed leather of a shade to harmonize with the panels. All upholstering is tufted over coil springs and first quality genuine curled hair.

The frame, axle, wheels, etc., are finished in a dark shade of carmine, striped in a lighter shade of carmine and black.

EQUIPMENT. Each Cadillac is furnished with a complete set of tools for adjustments, including a pump and repair outfit for tires.

Our prices do not include lamps, horn or other accessories. If we were to furnish these, we would simply be obliged to increase the selling price of our cars to cover the extra cost. Different persons have different tastes and requirements, therefore, by our policy, each purchaser is free to choose and purchase such accessories in accordance with his individual preferences.

#### GENERAL CONSTRUCTION

The general construction of Cadillac Cars is the best that we know of. In not one single instance or in one single piece have either the material or workmanship been slighted for the sake of saving in the cost. On the other hand we think there are some parts which might be constructed less expensively but we have not been disposed to take any risk. The Cadillac reputation has been built upon merit. We cannot afford to do otherwise than maintain it.

#### TIRES

In order to offer Cadillac purchasers the choice of a number of different tires, we have at heavy expense, had perfected for us a Universal Rim to which may be fitted any of the six following styles of tires:

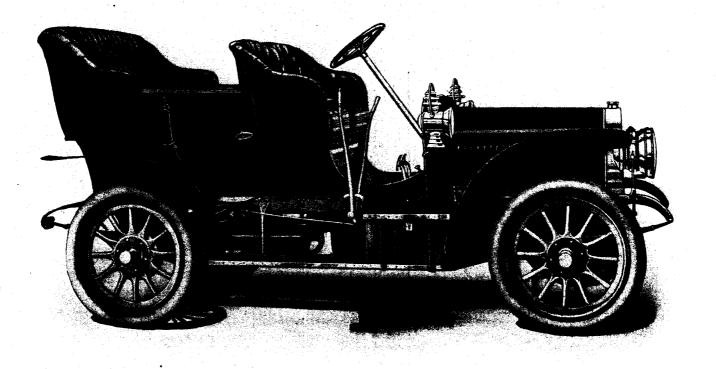
Dunlop Type-

Hartford, Morgan & Wright, Indianapolis G. & J.

Clincher Type-

Hartford, Morgan & Wright, Indianapolis G. & J.

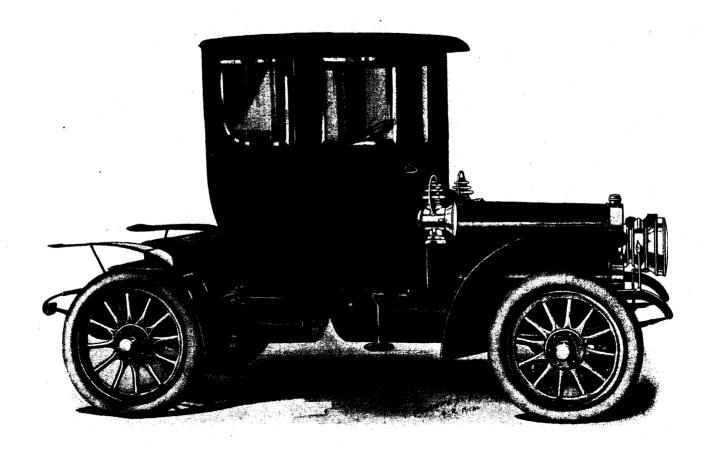
Unless otherwise ordered, we will equip to this Universal Rim, the Hartford Dunlop tires on all cars listed in this catalogue. We will, however, when so ordered, equip cars with any other make of tire ABOVE MENTIONED without extra charge.



page eighteen

CADILLAC "MODEL H"TOURING CAR
PRICE \$2500.00, F. O. B. DETROIT
(LAMPS NOT INCLUDED
SEE DESCRIPTION PAGE 20.
CADILLAC MODEL H.WITH RUNABOUT BODY \$2400.00.

CAO COPY # 26096



### CADILLAC"MODEL H"COUPE

PRICE \$3000.00, F. O. B. DETROIT (LAMPS NOT INCLUDED) SEE DESCRIPTION PAGE 21

page nineteen

# \* CADILLAC "MODEL H." \*

#### CADILLAC

#### "MODEL H" TOURING CAR

#### PRICE \$2,500.00 F. O. B. DETROIT

(Lamps not included.)

See Illustration Page 18

In the Cadillac "Model H" Touring Car, we do not hesitate to assure our friends that we are offering beyond question the greatest value ever produced in a four cylinder motor car. This model embodies all of the splendid features set forth on preceding pages and we do not believe that it can do otherwise than at least meet, if not exceed, the ideals of the most exacting motorist.

It is not offered as a racing car but has developed a rate of speed of over 50 miles per hour on smooth level roads.

The easy running qualities and control of the CADILLAC "Model H" are but little short of marvelous when compared with what has heretofore been accepted as a high type of motor car.

### "MODEL H" SPECIFICATIONS

MOTOR,		For	ır C	yli	nde	r 4	bore	by	5-inch stroke
Horse Power,									
Wheel Base,									400.
Wheel Tread,									56½ inches
Wheels,							•.		32 inches
*Tires, .									4 inches
Finish, .							Stand	ard-	-See page 17
Passenger Cap	acity,								Five Persons

\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For Tire Options, see page 17.

#### CHASSIS

"MODEL H" CHASSIS, including tires, hood, dash, fenders, etc.,

Price \$2,300.00, F. O. B. DETROIT.

page twenty

## \*\* CADILLAC "MODEL H." \*\*

#### **CADILLAC**

#### "MODEL H" COUPE

PRICE \$3,000.00, F. O. B. DETROIT

(Lamps not included.) See Illustration Page 19

The CADILLAC "Model H" Coupe embodies all of the mechanical features of the regular "Model H," the same chassis being used, the only difference being in the type of the body. This car is designed to meet the demand for a two passenger enclosed car of ample power, for all practical purposes. This coupe is richly finished and luxuriously upholstered, no point being overlooked to enable it to meet all requirements in this type of car.

#### **CADILLAC**

"MODEL H" RUNABOUT

PRICE \$2,400.00 F. O. B. DETROIT

(Lamps not included.)

To meet the demand for a Runabout of high power, we equip our regular "Model H" Chassis with a body of handsome design with seating capacity for two persons.

The general specifications, wheel base, tread, wheels, tires, etc., are identical with those of the "Model H" Touring Car, the only material difference being in the style of the body.

#### "MODEL H"

#### **SPECIFICATIONS**

MOTOR .		Fou	r C	ylir	ider	4%	in	ch	bore	×	5 inch	stroke
Horse Power												30
Wheel Base											102	inches
Wheel Tread											561/2	inches
Wheels		•									32	inches
*Tires	٠										. 4	inches
Finish .				•				S	tand	arc	l-See	page 17
**** 1	 ·			: 61	3 4	*	T					D

\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For Tire Options, see page 17.

page twenty-one

CAD. COPY # 26098

1

# "MODEL H." SUMMARY OF SPECIAL FEATURES.

MOTOR. Thirty horse-power. Four cylinders, four cycle, 4% inch bore by 5-inch stroke, arranged vertically under hood, all parts readily accessible. Copper water jacket. Water cooled.

CARBURETOR. Special type for four cylinder motor, proven by exhaustive tests to be the most effectual and economical.

COMMUTATOR. New and efficient design placed horizontally on vertical shaft with oil container.

IGNITION. Jump spark. Storage Batteries. (Two sets.)

LUBRICATOR. Special Cadillac type, mechanical pump feed, quantity regulated by speed of engine.

RADIATOR. Honeycomb pattern of great capacity and exceptional cooling efficiency.

TRANSMISSION. Cadillac planetary type, specially cut and hardened gears, three forward speeds and reverse.

DRIVE. Direct shaft with specially cut and hardened bevel gears.

BEARINGS. Genuine Hess-Bright ball bearings on wheels, transmission and main drive shaft.

CONTROL. Very effectual by instantaneously acting governor.

BRAKES. Double acting, one set expanding within and the other contracting on drums on rear wheels. Sufficiently powerful to lock wheels almost instantly.

STEERING GEAR. Our new design, positive and reliable in its action.

FRAMES. Pressed steel, channel pattern.

SPRINGS. Four spring suspension, semi-elliptic front, three-quarter elliptic rear.

BODIES. Exclusive Cadillac design of unusual elegance, upholstered in hand buffed leather over deep coil springs and genuine curled hair.

MATERIAL. Highest grade throughout. All parts made accurately to gauge and thoroughly interchangeable.

### PRICES, TERMS AND CONDITIONS.

PRICES on Automobiles and parts are positively net F. O. B. Detroit.

DISCOUNTS. We do not allow discounts excepting to bona fide automobile dealers who are properly equipped to conduct their business successfully and serve the best interests of Cadillac owners.

TERMS. Our terms on parts are strictly cash with order excepting to our regularly appointed representatives with whom we have accounts. We do not open accounts with others.

Orders accompanied by remittances will receive prompt attention, otherwise we will be obliged to hold them and write for the money.

When parts are desired by mail, the remittance must be sufficient to cover postage also. If remittance is more than sufficient, we will refund the amount overpaid.

REMITTANCES should be made by New York or Chicago exchange, Post Office Money Order or Express Money Order. When checks on local banks are sent, we hold the order until we receive returns from the check.

WHEN ORDERING, state definitely what is wanted. Do not leave anything to be inferred. Write and sign your order plainly, on a separate sheet from your letter. When ordering ANY part, always give the number of motor in your car. This is imperative. Also state the model and year's make of your automobile.

WHEN RETURNING GOODS to us for any reason, charges must be prepaid or they will not be accepted from the Railroad or Express company. They must also be tagged with YOUR name and address (or we cannot identify them), and accompanied by a letter of instructions.

CORRESPONDENCE. Our executive force is large, the Finance, Sales agency, Order, Repair and Shipping departments being under separate heads. It is therefore important that correspondence bearing on different subjects should be written on separate sheets, dated and signed so that each may be sent immediately to the department to which it belongs, thereby making it unnecessary for one letter to go the rounds of several departments, which causes delay. Address all correspondence to the Company, not to individuals.

#### TIRE GUARANTY

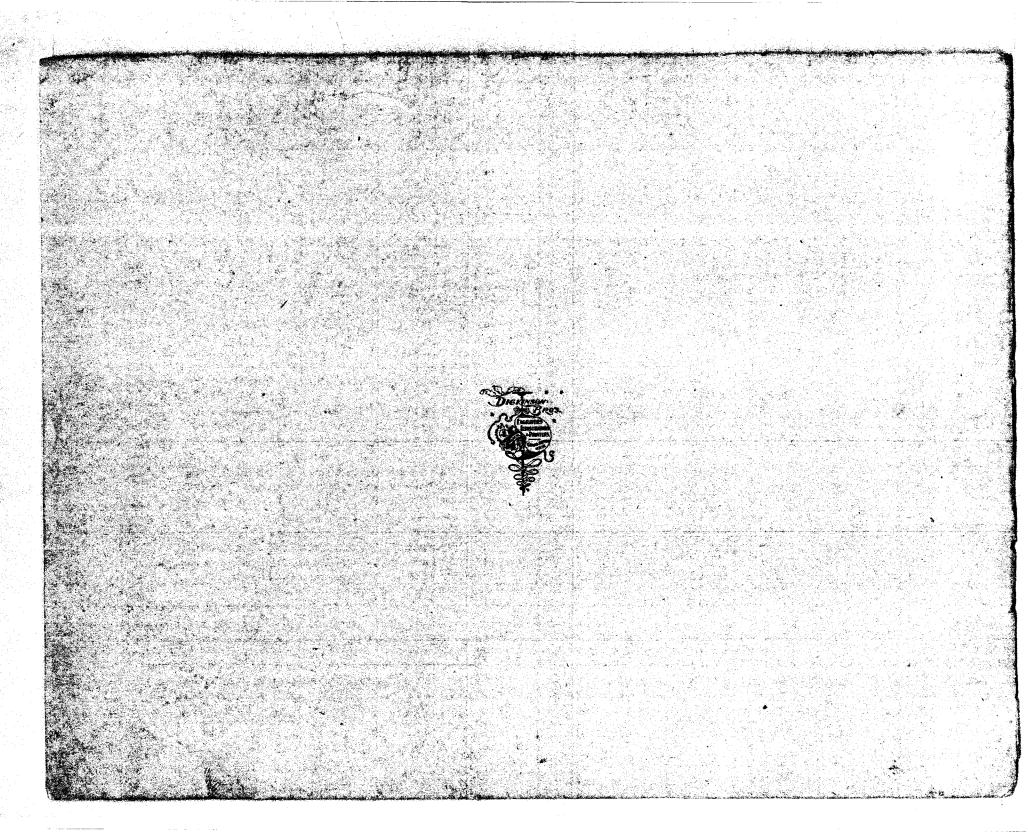
All Tires and Rims used on Cadillac Automobiles are guaranteed by their respective makers and in case of claims should be sent to the factory or any of the branches of said makers (not to us), transportation charges prepaid.

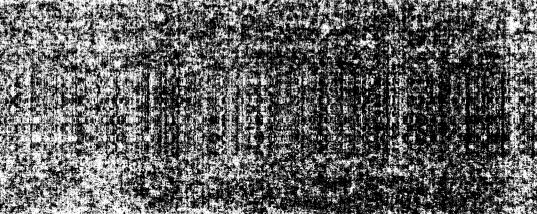
#### SPARK COILS AND BATTERIES

When repairing is required which necessitates shipping these to the factory, do not send them to us, but forward prepaid to their respective makers or to any of their branches which are established in most large cities.

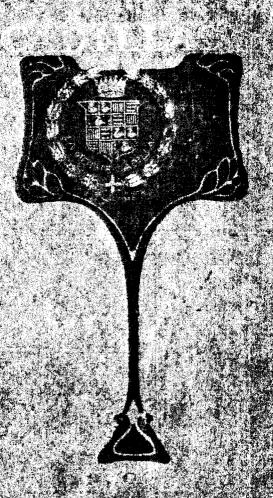
CRATING. When automobiles are to be shipped long distances, singly, it is sometimes advisable to have them crated. The cost of crating is \$20.00 extra, NET.

page twenty-three





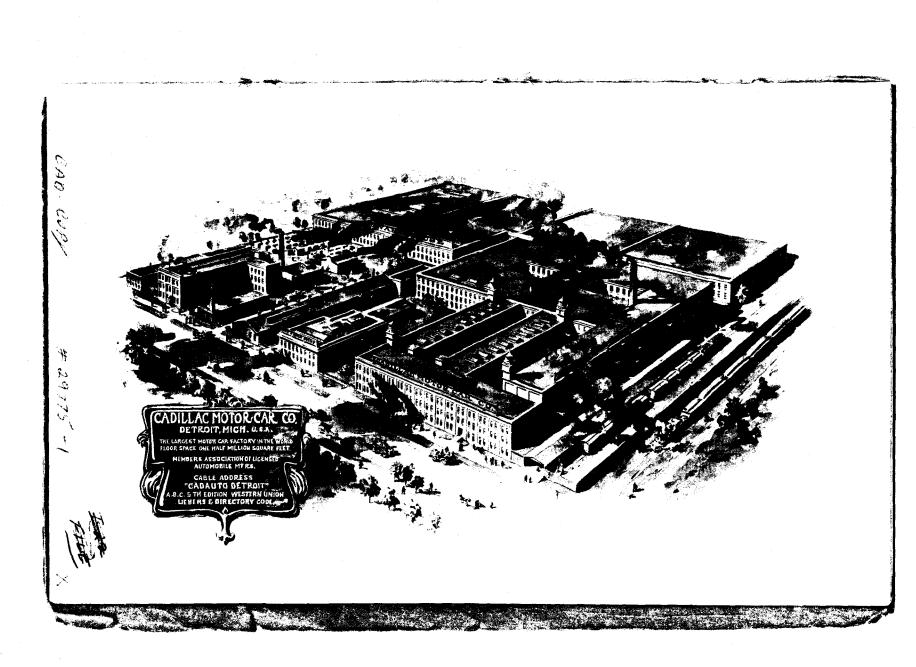
# STATE



MODER

<u>PS</u>

@AD Copy # 29775



motor cars.

HE SEASON of 1905
demonstrated the unquestioned position of the CADILLAC as AMERICA'S
LEADING MOTOR CAR, a position which would have been impossible of attainment excepting as the result of "MERIT," "DEPENDABILITY" and "SATISFACTION."

The popularity of the Cadillac is evidenced by the fact, that during the past year the Cadillac Company made and sold more automobiles than any other one maker in the world, in fact nearly as many as any other two manufacturers combined.

For 1906 the already immense capacity of our plant has been greatly enlarged. The Cadillac Motor Car Company is a consolidation of the Cadillac Automobile Company and the Leland & Faulconer Manufacturing Company. The reputation of the latter for the highest grade of machine work and for excellence in motor construction is world-wide. During the past decade this Company has made more gasoline motors for automobiles and other purposes than any other factory in existence. Its product, including gasoline

motors, transmission gears, and other parts requiring the highest grade of material and the most skilled workmanship, had for several years been almost entirely absorbed by the Cadillac Automobile Company and the uniting of the two establishments into one Company, under one management, brings into existence the largest and most complete

organization in the world for the production of high grade

While this concentration has enabled us to lessen the cost of production, we are utilizing this saving by embodying it in the construction of the cars themselves, making improvements at every possible point and providing better and more costly equipment, with the result that in our entire line the purchaser receives the utmost possible value for his investment. We do this because we believe it is wise, because we believe it to be good business policy and because we believe it will be the most profitable in the end

by reason of the increased business it will bring us.

There are few, if any, establishments sufficiently well equipped to produce cars the equal of

(Continued)

Cadillacs at an actual FAC-TORY COST of less than our selling prices, much less to retail them at Cadillac prices. It is only by our improved methods of manufacture and by building in the enormous quantities we do that we are enabled to offer our cars at the prices at which they are listed.

We have never been disposed to take advantage of public confidence nor to sacrifice our reputation for mere temporary gain. It always has been and it always will be our policy to offer only that which, by our own experience and at our own expense, has been demonstrated to be right rather than to formulate theories, embody them in our product, and expect the public to bear the expense of trying them out.

At times extreme pressure has been brought to bear upon us to meet passing fancies by building cars in accordance with designs which many had been misguided into THINKING were what they needed, but which judgment, knowledge and practical experimenting had proven to be wrong in principle

or undesirable and unsatisfactory in service.

There is nothing artificial about Cadillac success. It has been acquired by genuine merit and legitimate business methods. Specially constructed cars, driven by highly paid experts prove nothing, but simply entail an enormous expense which the purchasers of such makes of cars must help to pay. We have never been compelled to engage experts to make a showing for the Cadillac, and the expense thus saved has been utilized to contribute toward selling the Cadillac at the lowest price consistent with quality.

Hundreds of wonderful performances have, however, been made by owners of single cylinder Cadillacs for their own gratification. These cars have been made to accomplish seemingly impossible feats. A mile in 1 minute 7\frac{1}{3} seconds. Five miles in 7 minutes 14 seconds. One hundred and forty-four miles over California mountains in 5 hours and

38 minutes on one seven-gallon tank of gasoline. From New York to Boston in 12 hours. From New York to St. Louis in the World's Fair Tour,

(Continued)

winning a first-class certificate and first place at the finish in competition with cars ranging in price from one to six thousand dollars and rated at from ten to eighty horsepower.

In July, 1905, a single cylinder Cadillac was driven from Toledo to Cleveland and return, covering 244 miles actual travel, without stopping except for gasoline. The entire run consumed only 14 gallons and was made in 11 hours and 40 minutes. This was in competition with a well-known car of the two cylinder type. At the start, the two cylinder led out for some few miles, then the single cylinder Cadillac passed it and the "double opposed" was not seen again on the trip. It had not met with an accident, but owing to faults characteristic of its class, it simply did not have the STAYING QUALITIES, hence was compelled to give up the contest and return to Toledo.

The secret of Cadillac success and efficiency lies largely in the design and workmanship of our motors, and their careful installation in the chassis. We build carefully and well. No cheap or unworthy material finds its way into Cadillac motors or Cadillac cars.

We ask nothing of any buyer but an unprejudiced consideration and comparison, piece by piece and inch by inch; then a fair trial in the hands of a competent operator, and we shall be satisfied with the decision which good judgment will render. We know there is no automobile the equal of a Cadillac at the price of a Cadillac.

Our single cylinder model is THE IDEAL CAR for the man who desires a motor vehicle from which he will derive the maximum of pleasure with the minimum of trouble and expense. In its entire design, special attention has been devoted to the importance of ready accessibility of all parts which may require attention, and the mechanical construction in general is so simple that a comprehensive understanding of the principles embodied may very easily be acquired, thereby enabling its possessor to take care of the car himself if he desires to do so, and save the necessity of incurring a heavy outlay for maintaining it in perfect running condition.

When you buy a Cadillac, you obtain the product of the largest, best equipped and most com-

(Continued)

plete automobile factory in the world, an organization that is permanent and from which you will be able at all times to obtain parts for replacing those which may become worn by long and continued service or damaged by accident, and not be obliged to either discard your car because of inability to procure some important part, or to have such part made specially at heavy expense.

A general feature characteristic of the Cadillac, the value of which will immediately impress itself upon the careful buyer, is the provision made for adjustments of wearing surfaces, thereby obviating the necessity for frequent renewals of parts subject to wear.

The Cadillac single cylinder cars enjoy the reputation, among those who by their experience are qualified to judge, of being the most economical to operate and the least expensive to maintain. The low cost of maintenance is in no small measure attributable to our comparatively low prices on parts, it being our aim only to make this department pay for the actual cost of the parts themselves and the expense incidental to handling them. It is due also largely to the fact that all parts are made accurately to gauge and are absoluely interchangeable, which means that all parts of a kind are exactly alike and that when

a new part is needed, it can be ordered with the assurance that it will not require altering to fit.

We have records of many instances in which these cars have been run an entire season without the necessary outlay of a single dollar for repairs or for operating, beyond the cost of gasoline and oil.

The Cadillac single cylinder cars are capable of meeting every reasonable requirement. For the business man, for the the physician or other professional man, for any man who values his time, they will soon save their cost.

They will afford more pleasure and more exhilirating recreation than the amount involved in their purchase would secure if expended for any other purpose.

They can be relied upon for service every day of the year.

They will climb any hill that any automobile will climb.

They will travel any road that any automobile will travel.

They will travel as fast as anybody ought to ride.

The Cadillac is an harmonious unit, a car upon which the public has set its seal of approval.

#### CADILLAC SINGLE CYLINDER MOTOR

O better evidence of the 'unparalleled 'success of the Cadillac Single Cylinder Motor can be afforded than the fact that we shall continue its use for 1906. [] As it stands today, it is in all essential features the same as used in the first Cadillac built. If there is any other motor of which a similar statement can be truthfully made we do not know of it. It was years in advance of the times and up to the present, nothing has been made to equal it, much less excel. It has been imitated but the imitations lack its power and reliability, either because their makers cannot solve the secrets, can not successfully apply the principles,

or are not disposed to incur the necessary expense. Recent examinations of several of our motors which have seen three years of

active service, have shown them to be practically as good as when new and in some respects even better than new, developing slightly more power than when they first left the factory. With proper general care and lubrication there is no reason why they will not remain serviceable for many years to come. But even granting that through neglect and abuse the replacement of some parts become necessary, it can be done at less expense and with less trouble than on any motor we know of. For example, suppose that through lack of attention to lubrication the piston or cylinder becomes badly cut. These are the most expensive parts liable to be affected by such negligence but the price of a new cylinder is only \$4.50 and the piston only \$3.50. The main bearings of the crank shaft are perhaps the most susceptible to wear from lack of lubrication. In the Cadillac motor, these bearings consist of the highest grade of babbit facing backed by a finished

bronze bushing. If replacement should become necessary it may be done in a few moments, it being not even essential to remove the crank shaft.

The cheap method, the one usually adopted, is to cast the babbit into the frame of the motor. With such construction, when renewal is necessary, the motor must almost invariably be sent

6

to the factory for repairs to secure proper alignment. By the special methods which we employ, our bearings are rendered much more durable tha

those which are simply cast into the crank case. Interchangeability of all parts and especially those of the motor, is of utmost importance to the automobile buyer as the cost of maintenance should always be reckoned with. All parts of

the Cadillac motor as well as those of the chassis, are made according to our system of limit gauges which makes it next to impossible for an imperfectly made part to enter into their construction. Special attention is devoted to the finishing of the piston and cylinder bore which are smooth as glass and neither one is allowed to pass inspection if it exceeds the prescribed limits of measurement which are specified to the one-thousandth part of an inch. While this method and the refinement which it secures is expensive for us, it is the only correct method and contributes largely to Cadillac success.

The horse power of the Cadillac motor has always been under-rated rather than over-rated. This action on our part has been criticised by some who say we have done an injustice not only to ourselves but to the public in not making the full truth known. The fact of the matter is, this motor develops a little more than 10 horse power by actual test. We have heretofore been deterred from making the claims to which we were entitled, knowing that those who are not so fortunate as to be fully acquainted with the capabilities of the Cadillac would be inclined to disbelieve that a motor with five inch cylinder bore and five inch stroke could develop any such power, especially when general rules of mechanical calculation do not uphold such claims. But it is no longer a question for argument. IT DOES DEVELOP TEN HORSE POWER.

Several exclusive features contribute to this result.

The Cadillac motor marked the beginning of a new era in the principles of gasoline engine construction and the introduction of entirely new methods in the matter of valve timing. The inlet and exhaust valves are operated independently. The inlet valve remains open longer, thereby drawing in a heavier charge and the exhaust valve is opened earlier to expel the burned charge. The Cadillac Carburetor has proven itself efficient, economical and satisfactory.

The system of water cooling is positive, reliable and adequate.

The merits of the Cadillac spark plug have been fully demonstrated.

The valves are accurately ground that no gas may escape. All finished parts are correctly fitted that no power may be lost and proper provision is made for the adjustment of all wear Further details of these several features will be found on the following pages.

# CADILLAC COPPER WATER JACKET

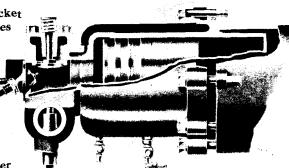
The Cadillac Copper water Jacket is original with us and the superiority of the system is so thoroughly recognized by other makers that a number of them are willing to pay a royalty for the privilege of embodying it in their cars.

With no gaskets to burn, soak or blow out; no leaded joints to melt; no cracking of cylinder in case of a freeze up, and but little expense in replacing cylinder if cut or worn, it is quite natural that other makers want it.

These details mean little or nothing to the novice or the driver of a Cadillac, but they do mean something to the user of some other form of construction, who may have left his machine far from home and sent a mechanic to put in a new gasket. They mean something also to the chauffeur who may have tried to start his motor with a defective gasket leaking water into the combustion chamber; or to those who have been troubled with overheated horizontal cylinders; they mean much to those who have been obliged to pay almost the price of an engine for a new cylinder. When the parts shown in the accompanying illustration are disassembled, the list price of the most expensive piece is but \$4.50.

The cheap method ordinarily used, is to cast the cylinder and jacket together, coring to make the space between them. This usually does not produce a combination with a uniform space between the two for water circulation. The maker cannot detect the fault because of inaccessibility but it will not be long until the innocent purchaser awakens to the results of its imperfection. It will be readily understood that with the thickness of the cylinder wall not uniform, it cannot be cooled evenly throughout its entire surface, the result being that the motor cannot develop the power which it otherwise might.

The Cadillac method is the only practical and correct system of jacketing; one reason why the Cadillac Motor develops more power than any other of equal dimensions.



#### CADILLAC CARBURETOR OR MIXER

ITHOUT an efficient Carburetor, no motor can develop its full power, although it may be

perfect in every other particular. For the benefit of the novice it is perhaps well to explain that the Carburetor (or mixer) is the instrument by means of which the gasoline is transformed into a vapor or gas and mixed with air. As this

gas would not ignite if drawn into the cylinder of the motor in its pure state, it must be mixed with air in order that the charge may be exploded. If the proportion of gas is either insufficient or too great, the result is an explosion of less than maximum force, in consequence of which the full capability of the motor is not developed.

The gasoline from the storage tank enters the mixer through the valve "M" (see illustration) and drops into the wire mesh "K." Air is drawn in through the intake tube and evaporates the liquid and the mixture is then drawn up and through the inlet valve at "A," thence into the combustion chamber of the motor where it is ignited by the electric spark emanating from the spark plug.

In the Cadillac Carburetor, we have a device radically different from any other, so simple that it is easily understood, yet capable of adjustment so precise as to give the exact mixture required. In addition to its advantages of accessibility and durability, its operation is not affected by steep grades. It can be taken apart and cleaned when necessary

and durability, its operation is not affected by steep grades. It can be taken apart and cleaned when necessary without in the least affecting its adjustment, a most desirable feature, and as there is but one moving part, it has no delicate mechanism to get out of order. Three years of continued use has

proven its superiority as a mixer for a single cylinder motor.

It is one of the exclusive features which have helped to make the Cadillac famous.

#### CADILLAC SPARK PLUG

UR double insulated spark plug here illustrated is so simple that it needs no extended explanation and its advantages are so well known that it

requires no special recommendation.

It permits the secondary current to be kept separate from the other mechanism and the expense of replacing its mica cores is almost insignificant.

While we can provide for the use of ANY plug, we have not in a single instance furnished any other type. We have known many cases where this plug had been used for months until it had been befouled by carbon deposits to an extent that would have rendered an ordinary plug utterly useless, yet notwithstanding these disadvantages it continued to give reasonably good results. This plug is another of our special features and is one more reason for the constancy of the Cadillac motor.

The ease of accessibility to this spark plug is a worthy feature. It may be removed for examination in only a few seconds.

#### THE CADILLAC LUBRICATOR

FEATURE which will at once commend itself to everyone who has had any automobile experience is the Cadillac Mechanical Lubricator. To make a motor right, is one thing. To make provision for keeping it right is quite another. We have accomplished both. No one thing

is more essential to the life and efficiency of a motor than proper lubrication. Proper lubrication means not too little and not too much, but exactly enough. Too much means a fouled spark plug, sticky valves and carbon deposits on piston and cylinder. Too little means destruction to wearing surfaces. A worn cylinder and piston means loss of compression, hence loss of power. Worn bearings mean annoying pounding and destructive vibration.

It does not require a genius to realize that the more rapidly a motor is running, the more oil it requires. The Cadillac Mechanical lubricator provides for this. It is equipped with four individual feeds, one for each of the four vital points, viz.: one to the piston,

one to the connecting rod and crank shaft bearing and one to each of the

#### THE CADILLAC LUBRICATOR—Continued

two main bearings. The last two mentioned requiring quantities of oil different from the first two, each of the four feeds are adjusted separately.

The simple raising of a cut-off plunger stops the oil running to the bearings and forces it up through the sight feeds so that the supplies may be regulated. When this has been done, the plunger should be pushed down and the oil will again be forced to the bearings.

An arm extends from the Lubricator and rests on the hub of the fly-wheel where it is actuated by a cam. Every revolution of the fly-wheel causes this arm to act on the lubricator pump which positively FORCES a small quantity of oil through the tubes leading to the several bearings. Consequently when each sight feed is adjusted for a given quantity of oil per minute when the motor is running at say five hundred revolutions, it must force twice the quantity when running one thousand revolutions per minute, or only half the quantity when running two hundred and fifty revolutions per minute. In other words, the motor gets no more nor no less but exactly the quantity of oil required to produce the best results.

Another feature—one of vital importance. A lubricator whose feeds and passages are small, is easily clogged with dirt, lint or "gummed" oil, rendering it but little if any better than no lubricator at all. In the Cadillac Lubricator such troubles are almost impossible as the passages are all large, hence not easily obstructed, yet it can be adjusted with unerring accuracy. It is readily accessible, being located under the front seat, directly back of the heel board.

#### CADILLAC TRANSMISSION

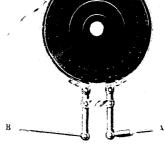
HE CADILLAC transmission combines strength, durability, quietness, and requires the least possible attention. These are virtues not possessed by any other gear.

The driving gear "D" is the only part attached to the engine shaft. When assembled, the cover "C" and case "H" form an oil reservoir enclosing all the working parts, thus insuring the best possible lubrication with the least attention. It has been ONE oil hole instead of the usual ten or twelve, and will hold enough oil for several days of the hardest use.

The Cadillac Transmission is provided with two friction bands. One of these, operated by a foot lever applies the slow speed; the other, operated by the control lever, reverses the movement of the car.

By moving the rod (a) in the direction indicated by the arrow, the band (c) is closed upon the transmission gear drum, the rod (b) is fastend to the rear engine support and balances the pull on (a) so that no matter how much strain is applied through (a) there is no side pull on the transmission drum and consequently no possibility of heating the transmission drum bearings or of undue strain on the crank shaft. This of course reduces friction losses and adds correspondingly to the efficiency of the car.

If the case "H" be held by its brake band when the driving gear is rotating, all the gears in the case, except "B," run at the same speed as the engine shaft, but no



faster. The gear "B" and with it the driving sprocket "A" runs at a lower speed but in the opposite direction, thus producing the reverse. If the case be allowed to revolve, and the drum "K" be held by its brake, all the gears run at much lower speed than the engine shaft, driving internal gear "B" around slowly forward, producing the slow speed. If brake

#### CADILLAC TRANSMISSION—Continued

drum "K" be locked to shaft by the high speed clutch, the whole gear revolves and acts as an additional fly wheel.

By driving through gear "B" and engaging at three points, the lowest possible tooth strains are secured. All the gears are large; none of them can ever run as fast as the engine except in backing. These strong points of advantage form a combination of virtues never before secured in any transmission and make the Cadillac transmission the IDEAL GEAR for its duty. By Cadillac construction the entire transmission can be removed without disturbing crank shaft. In plain words, the Cadillac gear is RIGHT. Another of the reasons why a 5x5 single cylinder engine rated at 10 h. p. has been able to do the same work as some multiple cylinder engines rated at 16 h. p.

#### GASOLINE TANK

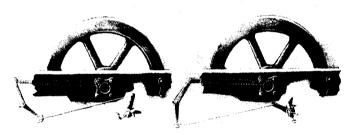
HE Cadillac gasoline tank, shown in cut with top removed is easy of access, being placed directly underneath the front seat and carries

about seven gallons. It is provided with partitions at A which prevent undue splashing. The partition B forms a compartment holding about one gallon. When the gasoline in the main compartment has been consumed, the motor will of course stop, which serves notice to the driver that but one gallon remains (in the compartment) and that it will be necessary soon to renew the supply. The reserve may then be transferred to the main tank by simply opening the valve (C).



#### SAFETY STARTING DEVICE

F when starting a motor, the spark be advanced, it effects an early ignition of the charge. This causes the motor to start backwards or "kick back," which is liable to injure the operator by the starting crank striking him.



The Safety Device on the Cadillac makes this impossible. Attached to and operating in conjunction with the spark advance mechanism, we have a safety slide. In advancing the spark lever it also moves the satety slide into a position where it obstructs the entrance of the crank, (See Fig. 2), making it impossible to start the motor until the spark lever is moved to its normal position. (See Fig. 1.)

#### Fig. 1

#### Fig. 2

#### **COOLING SYSTEM**

The efficiency of the Cadillac motor cooling system is well known. You do not see Cadillacs "hung up" on the road waiting for the motor to "cool off."

In the first place, our method of water jacketing, previously explained, facilitates a uniform cooling of the cylinders. Secondly, our radiator has ample radiating surface, and thirdly our centrifugal pump keeps the water in rapid circulation.

The pump is attached to the frame of the chassis. Being operated by the motor, the rapidity of its action is governed by the speed of the latter, which is the only practical method.

The water tank is accessible for filling by simply removing the cap from the top of the hood.

The water circulating pipes are of copper.

MUFFLER. The Cadillac muffler is an effectual "silencer" and is equipped with a cut-out which acts as a safety valve. This can also, when desired, be used as a warning signal by simply pressing with the foot on a trigger which extends up through the floor of the car.

ELECTRICAL SYSTEM. The ignition is by the jump spark system with coil and switch on the dash of the car and two sets of dry cell batteries, one for use and the other for reserve, located where they are readily accessible. The secondary wires are strung in the channel of chassis frame where they are out of the way of dirt and dampness, hence no liability of short circuiting.

CONTROL. The slow speed is applied by a foot lever and the high speed and reverse by a hand lever at the side of the car. (See explanation of action under Transmission.)

THE BRAKE mechanism consists of two friction bands which contract on the drums of the rear axle differential and are applied by a foot lever. The latter is equipped with pawl and rachet so that the brake can be held at any tension desired. Our differential drums are extra large, being nine inches in diameter thereby affording great friction surface and brake efficiency.

STEERING MECHANISM is of the rack and pinion type and is operated by means of the steering wheel.

THROTTLE and SPARK levers are placed conveniently underneath the steering wheel.

FRAMES. Our frames are of the channel pattern, pressed from a special grade of steel and tested to withstand strains much greater than they will be called upon to bear.

AXLES. Our rear axles are of steel tubing with high grade steel live axles, keyed to differential drums, the bearings being of the roller type. Rear wheels are keyed to the live axles sections. The Differentials are of the Brown-Lipe spur gear pattern. Front axles are of steel tubing with drop forged front wheel spindles, the front wheels being fitted with ball bearings.

SPRINGS. Our springs are of the highest grade it is possible to obtain.

We wish to direct special attention to our front spring suspension, the advantages of which will be readily understood by referring to the accompanying illustration.

On the front axle at the point of the spring suspension, a rocker joint is provided. This joint fully doubles the efficiency of the spring and permits one wheel to pass over obstacles several inches in height or into depressions of equal depth without disturbing the "level" of the body or transmitting any material jar to the

occupants of the car. By relieving the strain on the spring it reduces breakage to a minimum. The extreme ease and comfort characteristic of the Cadillac will meet with hearty approval.

DRIVE. Hardened steel roller chain with detachable links, each link pin secured by a cotter pin. In case of accident, the replacement of a link requires but a few minutes time.

BODIES. Special attention is directed to the designs of the Cadillac bodies which are of the Victoria type and the latest conception of our builder's art. Illustrations fail to convey an adequate conception of their exquisite grace and beauty, which would be a credit to cars selling at several times our price.

The dash is of pressed steel, hollow, and substantially re-enforced.

The seats are luxuriously upholstered in genuine hand buffed leather of a color to harmonize with the panels All upholstering is tufted over coil springs and first quality genuine curled hair.

FENDERS. Our fenders are special Cadillac pattern, formed from sheet metal and so designed that they will be found very effectual in protecting both the car and its occupants.

WHEELS are of the artillery type made from specially selected second growth hickory. Rear wheels are keyed to live axle shafts and doubly secured thereto by slotted hex nuts and cotter pins. Front wheels are ball bearing with tool steel cups and cones.

FINISH. The finish of the lower part of the bodies is black while the upper parts including seat panels and doors is purple lake with light carmine striping.

The frame, axles, wheels, etc., are finished in a dark shade of carmine, striped in a lighter shade of carmine and black.

The purple lake, (a deep wine color) gives a finish of the very latest style and taste which for quiet richness and beauty will not be excelled.

EQUIPMENT. Each Cadillac is furnished with a set of tools for ordinary adjustments including a pump and repair outfit for tires.

Our prices do not include lamps, horn or other such accessories. If we were to furnish these we would simply be obliged to increase the selling price of our cars to cover the extra cost. Different persons have different tastes and requirements, therefore by our policy, each purchaser is free to choose and purchase such accessories in accordance with his individual preferences.

#### **TIRES**

N order to offer Cadillac purchasers the choice of a number of different tires which can be furnished without the delay usually entailed by such options, we have at heavy expense, had perfected for us a Universal Rim to which may be fitted either of the six following styles of tires.

DUNLOP TYPE
HARTFORD
MORGAN & WRIGHT
INDIANAPOLIS G & J

CLINCHER TYPE
HARTFORD
MORGAN & WRIGHT
INDIANAPOLIS G & J

Unless otherwise ordered, we will equip to this Universal Rim, the Hartford Dunlop tires on all cars listed in this catalogue. We will, however, when so ordered, equip cars with any other make of tire ABOVE MENTIONED without extra charge.

#### TIRE GUARANTY

All Tires and Rims used on Cadillac Automobiles are guaranteed by their makers and should be sent to them (not to us), transportation charges prepaid.

#### SEND HARTFORD TIRES TO HARTFORD RUBBER WORKS COMPANY AT ANY OF THE FOLLOWING ADDRESSES

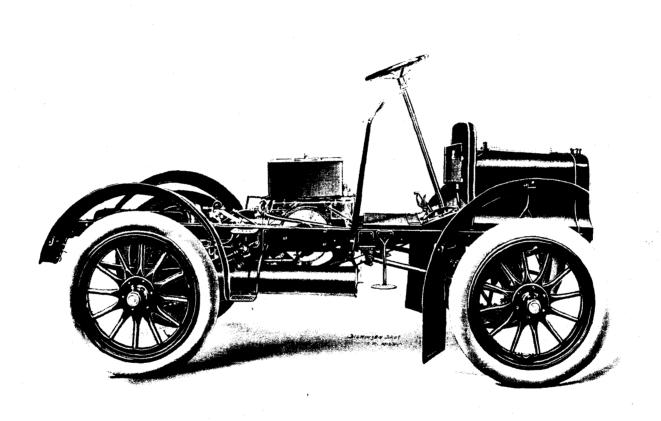
Hartford, Conn. New York City New York City Boston, Mass. Philadelphia, Pa. Buffalo, N. Y.						•		•		•		88 Chambers Street 1769 Broadway 494 Atlantic Avenue 38 North Tenth Street 686 Main Street	Cleveland, Ohio Detroit, Mich. Chicago, Ill. Denver, Colo. San Francisco, Cal. Los Angeles, Cal.	•				•			. 38		1831 Euclid Avenue 256 Jefferson Avenue .83 Michigan Avenue 1564 Broadway 1 Golden Gate Avenue uth Los Angeles Street
---	--	--	--	--	--	---	--	---	--	---	--	--	---	---	--	--	--	---	--	--	------	--	--

#### SEND MORGAN & WRIGHT TIRES TO MORGAN & WRIGHT AT ANY OF THE FOLLOWING ADDRESSES

DELID MORGALIT & WRIGHT	I TIMES TO MORGAN & WRIGHT AT ANT OF I	THE POLLOWING ADDRESSES
New York City Boston, Mass	. 214 W. 47th Street Chicago, Ill. 228 Columbus Avenue Syracuse, N. Y.	
Cleveland, Ohio	347 Huron Street Philadelphia, Pa. 417 E. 5th. Street Atlanta, Ga.	Broad and Vine Street  35 Edgewood Avenue
Minneapolis, Minn. Detroit, Mich.	. 708 Hennepin Avenue Denver, Colo	1562 Broadway
St. Louis, Mo.	. 265 Jefferson Avenue Los Angeles, Cal Portland, Oregon	
San Francisco, Cal	. 1067 Mission Street	

#### SEND G & J TIRES TO G & J TIRE COMPANY AT ANY OF THE FOLLOWING ADDRESSES

Indianapolis, Ind. Cleveland, Ohio Boston, Mass.	Chicago , III.	. 337 Huron Street 43 Columbus Avenue 429 Wabash Avenue 247 Jefferson Avenue	San Francisco, Cal. Denver, Colo Buffalo, N. Y. Philadelphia, Pa	•		327 9 W. Huron 711 No. Broad Street	
--	----------------	---	---	---	--	---	--



CHASSIS

20

CAD COPY # 26099

#### **CHASSIS**

#### A Summary of Points Found in All Cadillac Cars

Single cylinder 5 inches x 5 inches, 10 h. p.; water cooled horizontal motor.

Copper water jacket. (Pat. pending.) Mechanically operated vertical valves.

Variable inlet control. (Pat.)

Two speed planetary gear. (Pat.)

Mechanical force feed lubricator.

Interchangeable adjustable motor bearings.

Safety starting device.

Pressed steel frames.

Tubular radiator.

Jump spark ignition.

Spark Coil on dash.

Brown-Lipe spur differentials.

Balanced double acting clutch bands.

Two double acting brakes, with drums keyed direct to axle sections.

Steel hubs. Rear hubs taper fitted and keyed to axle sections.

Three spring suspension with rocker joint on front spring.

Adjustable ball jointed radius rods.

Rachet foot pedal brake action.

Automatic elastic stop diaphram carburetor. (Pat.)

Rack and pinion steering gear.

Gasoline capacity, 7 gal. Water capacity. 3 gal.

Foot pedal, low-speed control.

High gear and reverse on hand lever.

#### PRICES ON INCOMPLETE CARS

Subject to Same Terms and Conditions as Complete Cars

MODEL "M" CHASSIS INCLUDING DASH AND HOOD

With wheels and 30 x 3 % inch tires.

\$800.00.

The tires included in above prices are either the Danlop or Clincher types made by either the Hartford, Rubber Works Co., of Hartford, Conn., Morgan & Wright, of Chicago, or G. & J. Tire Co., of Indianapolis Ind.

#### **BODIES**

#### NOT INCLUDING DASH OR HOOD

#### MODEL K RUNABOUT BODY

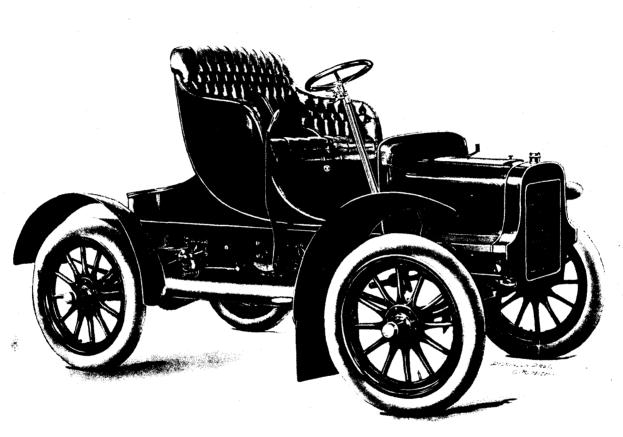
Bodies, Divided seat, standard finish, including upholstery and spring seat cushion \$75.00

#### MODEL M BODY

Double side door entrance, divided front seat standard color, including upholstering and spring seat cushions, . . . .

175.00

All quotations are f. o. b. Detroit.



MODEL "K" LIGHTRUNABOUT Price \$750.00 F. O. B. Detroit

22

CAD COPY# 19230

CADILLAC, MODEL "K" Light Runabout

HE splendid success of our last year's runabout, which proved by far the most popular car of its type, warrants us in predicting for its worthy successor, the Model K, an even greater demand.

This model includes all of the special Cadillac features described in detail on preceding pages.

The ease with which it may be controlled and handled, and the fact that it may always be depended upon makes it particularly well adapted for all around business purposes.

As a pleasure car for two persons it has never been equaled. Its light weight admits of its being geared to run at the rate of 30 to 35 miles per hour which is faster than most people care to ride over average roads.

We gear this car with 10 tooth sprocket on the motor shaft and 38 tooth on the rear axle. This gear is considered best adapted for general use on average roads and hills. For localities where very steep grades predominate, a 10-41 combination is of some advantage while a 10-34 combination affords the maximum speed in localities where the roads are smooth and level.

MODEL "K"
Light Runabout
Not Convertible

#### Standard Specifications

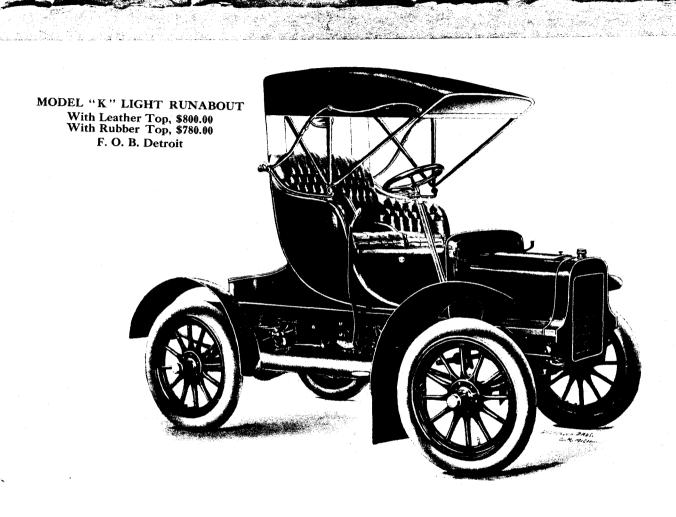
Axles .		Tı	ıbu	lar	Bal	1 F	ror	ıt, I	Hy:	att P	lolle	r Rear
Tread, .											56	inches
Wheels, .											28	inches
Wheel Base,											74	inches
*Tires, .										2	8 x 3	inches
Body-Divide	d	se	at,	trit	nm	ed	in	ha	nd	buf	fed l	eather
Color,												oage 18
Gear,												10-38
Weight,					1	Apı	pro	xir	nat	ely l	100 p	ounds
Length over a	IJ,									9 fe	et 2	inches
Width over al										5 fe	et 8	inches
Height over a	u,									4 fe	et 6	inches

# Price, \$750.00, F. O. B., Detroit Equipped as above.

The following options can be furnished, subject, of course, to possible delay:

Tread, 61 inches
Gear, 10-41 or 10-34

\*Unless other vise specified, the Hartford Perfected
Dunlop Tires will be furnished as regular
equipment. For tire options, see page 19.



MODEL "K"
Light Runabout
With Top

UR Light Runabout, equipped with top, has in the past met with marked favor. The protection afforded in inclement weather, the ease with which the car may be handled and its general reliability, has given it a decided preference among physicians and business men whose calling necessitates their being out under all conditions.

The top is not an ordinary stock pattern but is made especially substantial to enable it to withstand the hard use to which it may be subjected.

This car will be equipped with either Rubber or Leather Top. Prices include sides and storm apron of same material.

We gear this car with 10 tooth sprocket on the motor shaft and 38 tooth on the rear axle. This combination is best adapted for general use on average roads and hills. For localities where steep grades predominate a 10-41 gear is preferable.

MODEL "K" Light Runabout With Top

#### **Standard Specifications**

Axles			Τι	ıbı	ılar	Ball	F	roı	nt,	Ну	att	Rol	ler	Rear
Tread,												5	6 is	nches
Wheels,												2	8 ic	iches
Wheel B	ase	٠,										7-	4 is	iches
*Tires,												28 x	3 iı	iches
Body-D	ivid	ied	se	at	trii	nma	d	in	ha	nd	bи	ffed	le	ather
Color,								:	Sta	nda	ard	, see	pa	ge 18
Gear,					,									10-38

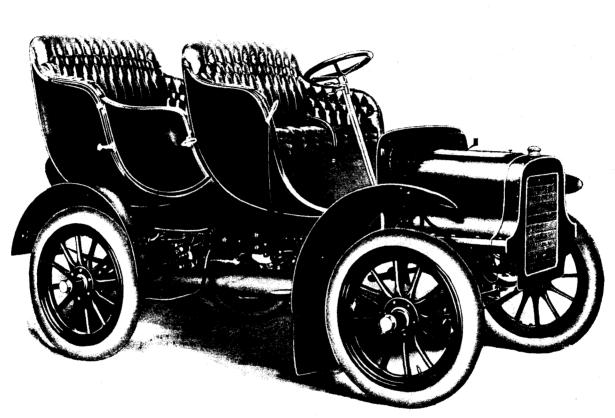
Price, Leather Top, Complete with Sides and Apron, \$800.00

Price, Rubber Top, Complete with Sides and Storm Apron, \$780.00

F. O. B., Detroit

Equipped as above.

\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 19.



MODEL "M" TOURING CAR Price \$950.00 F. O. B. Detroit With Cape Cart Top, \$1025.00

CAO. COP/#19228

# CADILLAC MODEL "M" Light Touring Car

N THIS model we offer a car which for general utility will not suffer in comparison with any automobile regardless of cost. No effort or expense consistent with its price, has been spared to make it all that could be wished for in a light family car easily capable of a speed of 25 to 30 miles per hour. In it are embodied all of the Cadillac special features, and we do not hesitate to assure our friends that it positively offers better value than any car selling at from 50 to 100 per cent. higher, while with the advantages it offers of economy in fuel and oil and low cost of maintenance generally, it has no competitor at any price.

The Model M is geared for maximum power and reasonable speed, the 10-41 sprocket combination being considered best for average roads and hills while for specially hilly localities a 10-45 gear may be advantageous.

It will be found a constant car, ready for service at any and all times.

The seats are luxuriously upholstered and the tonneau is large and roomy.

The general design is of surpassing beauty and with our superb finish, gives it a tone of quiet richness which will not be excelled.

The owner of a Cadillac Model M will never be ashamed of his car.

# MODEL "M" TOURING CAR

#### Not Convertible Standard Specifications

Axles	•											r Keai
Tread,											56	inches
Wheels,											30	inches
Wheels F	Base,										76	inches
Tires,										30	x 3%	inches
Color,								Sta	nda	rd,	see	page 18
Body-D	ouble	sid	e.	do	nt i	-nt	rai	ce.	. 18	in	ches	wide.
					ded							
Gear,												10-41
,					ded	fr	on	t se	at.			
Weight,		wit			ded	fr	on	t se	at.	ely 1	1350 g	10-4
Weight,	ver all	wit			ded	fr	on	t se	at.	ely i	l350 g eet 7	10-41 counds
Gear, Weight, Length o Width ov Height o	ver all ver all,	wit	h d		ded	fr	on	t se	at.	ely 1 9 fo 5 fo	l350 <u>r</u> eet 7 eet 8	10-41 counds inches

Total ... I. D. H. Frant ... Herett Police Pone

#### Price \$950.00 F. O. B. Detroit.

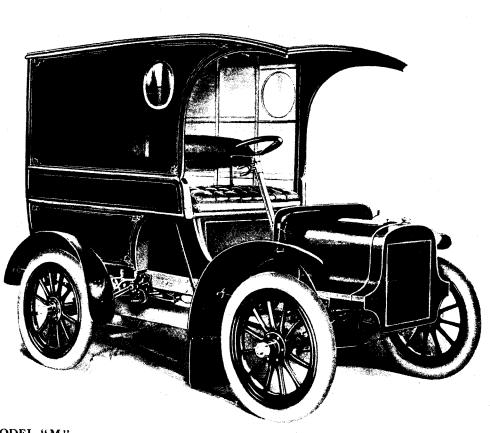
Equipped as above.

The following options can be furnished, subject, of course, to possible delay:

Gear, 10-38 or 10-45

Tread, 61 inches

\*Unless otherwise specified, the Hartfor Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 19.



CADILLAC MODEL "M"
Delivery Car
Price \$950.00 F. O. B. Detroit

28

N THIS car we offer a thoroughly practical vehicle for light delivery and commercial service. For the past two years we have had five of these cars in constant use at our factory, doing the work of fifteen horses. We have also supplied a large number of them to numerous prominent establishments throughout the country who require an absolutely dependable vehicle for use all the year round.

Among the various lines of business in which these cars are utilized may be mentioned, Grocery, Dry Goods, Clothing, Shoes, Men's Furnishings, Milliners, Florists, Bakers, Electrical Goods, and many others.

The experiences of those who have adopted them have been so satisfactory that we have yet to hear of the first concern who would entertain the idea of reverting to horse drawn vehicles.

For commercial service, the matters of economy in operation and maintenance are prime requisites, and the marked success which has attended our cars of this type is due in a considerable degree to these generally acknowledged Cadillas features.

# MODEL "M" DELIVERY Standard Specifications

Axles .	Tı	ıbu	lar	Bal	1 F	ront,	Ну	att l	Roller Rear
Tread,									56 inches
Wheels,									30 inches
Wheel Base,									76 inches
*Tires, .								30 :	x 3½ inches
Color,						Sta	and:	ard,	see page 18
Gear, .									. 9-45
Weight,				A	.pj	proxi	mat	ely l	1400 pounds

#### Top not Detachable.

Price, \$950.00, F. O. B. Detroit.

Equipped as above.

\*Unless otherwise specified, the Hartford Perfected Dunlop Tires will be furnished as regular equipment. For tire options, see page 19.

#### PRICES, TERMS AND CONDITIONS

PRICES on Automobiles and parts are positively net F. O. B. Detroit.

DISCOUNTS. We do not allow discounts excepting to bona fide automobile dealers who are properly equipped to conduct their business successfully and serve the best inter-

ests of Cadillac owners.

TERMS. Our terms on parts are strictly cash with order excepting to our regularly appointed representatives with whom we have accounts. We do not open accounts with others.

Orders accompanied by remittances will receive prompt attention, otherwise we will be obliged to hold them and write for the money.

When parts are desired by mail, the remittance must be sufficient to also cover postage. If remittance is more than sufficient, we will refund the amount overpaid.

REMITTANCES should be made by New York or Chicago exchange, Post Office money order or Express money order. When checks on local banks are sent, we hold the order until we receive returns from the check.

WHEN ORDERING, state definitely what is wanted. Do not leave anything to be inferred. Write and sign your order plainly, on a separate sheet from your letter. When ordering ANY part, always give the number of motor in your car. This is imperative. Also state the model and year's make of your automobile. A Price List of Parts will be sent to Cadillac purchasers upon receipt of request stating the Model of Car for which same is desired.

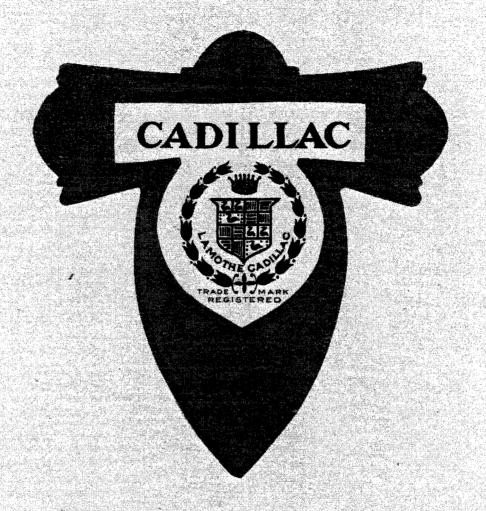
WHEN RETURNING GOODS to us for any reason, charges must be prepaid or they will not be accepted from the Railroad or Express company. They must also be tagged with YOUR name and address (or we cannot identify them) and accompanied by a letter of instructions.

CORRESPONDENCE. Our executive force is large, the finance, sales agency, order, repair and shipping departments being under separate heads. It is therefore important that correspondence bearing on different subjects should be written on separate sheets, dated and signed so that each may be sent immediately to the department to which it belongs, thereby making it unnecessary for one letter to go the rounds of several departments, which causes delay.

Address all correspondence to the Company, not to individuals.

EXTRAS. When automobiles are to be shipped long distances, singly, it is sometimes advisable to have them crated. The cost of crating is \$10.00 extra, NET.





# CADELIAC TRADE MARK REGISTERED MARK REGISTERED

REPRINTED 1994 BY
HCCA CABILLAC SINGLE CYLINDER REGISTER



# The Story of the Cadillac

It was the SINGLE CYLINDER CADILLAC which first demonstrated that a thoroughly serviceable, dependable and economical motor car was a possibility.

Before the advent of the Cadillac, the motor car was looked upon generally as a complicated, bothersome machine possessing little practical value, but the Single Cylinder Cadillac marked the beginning of a new era in automobile construction. It proved that the truly meritorious motor car was a fact and not merely a theory. It was so far in advance of anything that had before been produced, and its efficiency and capabilities commanded such widespread recognition that in less than two years from the beginning of its manufacture the output of the Cadillac factory was the second largest, and the third year found its production the largest, in America, and during the past two years the output of Single Cylinder Cadillacs has exceeded the combined volume of any three models of other makes.

It is a most significant fact that the Single Cylinder Cadillac is the only Automobile in America, if not in the world, which can truly be accredited with having successfully withstood the test of five successive seasons, which has been made in continually increasing quantities each succeeding year, and which gives promise of continuing to be made for many years to come.

There has, during the past year, been a wonderful awakening to the fact, which is now generally conceded, that in moderate priced cars the Single Cylinder is the only type that has truly "made good" in every sense of the word, and the position of the Cadillac in that class is so preeminent that it is not even a subject for argument.

There are, on the other hand, scores of cars which have come and gone since the first Cadillac was built. Many of these are now only a memory.

The factory in which Cadillac cars are built is the largest, the most complete, the best equipped and the most thoroughly organized plant in the world devoted exclusively to the production of high grade motor cars. It is replete with the most modern and most accurate labor saving machinery which can be obtained. It is this situation which enables the Cadillac Company to produce motor cars which can be sold to the purchasers at less than it would actually cost most makers to build them.

The secret of Cadillac success is not attributable exclusively to any one individual feature but to the combination of skillful de-



(Continued)

sign, careful and intelligent selection of material and painstaking execution of every minute detail.

In its entire design, special attention has been devoted to the importance of ready accessibility of all parts which may require attention, and the mechanical construction in general is so simple that a comprehensive understanding of the principles embodied may easily be acquired, enabling the possessor to take care of the car himself, if he desires to do so, and save the necessity of incurring an expense for maintaining it in satisfactory running condition.

When you buy a Cadillac, you obtain the product of an establishment that is permanent and from which you will be able to obtain parts for replacing those which may become worn by long and continued service or damaged by accident, and not be obliged to either discard your car because of inability to procure some important part, or to have such part made specially at heavy expense.

A general feature characteristic of the Cadillac, the value of which will immediately impress itself upon the careful buyer, is the provision made for adjustments of wearing surfaces, thereby obviating the necessity for frequent renewals of parts subject to wear.

The Cadillac Single Cylinder cars enjoy the reputation, among those who by their experience are qualified to judge, of being the most economical to operate and the least expensive to maintain. The low cost of maintenance is in no small measure attributable to our comparatively low prices on parts, it being our aim only to make this department pay for the actual cost of the parts themselves and the expense incidental to handling them. It is also largely due to the fact that all parts are made accurately to gauge and are thoroughly interchangeable, which means that all parts of a kind are exactly alike and that when a new part is needed it can be ordered with the assurance that it will not require altering to fit.

We have records of many of these cars which have been run an entire season without the necessary outlay of a single dollar for repairs or for operating, beyond the cost of gasoline and oil, and many more where the expense has been merely nominal.

The reputation of the Cadillac has been acquired by the genuine merit of the cars themselves and the promotion of their sale by legitimate business methods. We have never been obliged to

CADILLAC



# The Story of the Cadillac

(Continued)

engage experts to make a showing with the Cadillac. Such performances, with specially constructed cars which bear not the slightest semblance to the maker's regular product, prove nothing. They simply help to roll up an enormous expense which in the end is paid by none other than the purchasers themselves of such makes of cars.

We prefer to give the individual purchaser the utmost possible value for his investment; and we do it. We have always preferred that the Cadillac gain its reputation amongst actual users; and it has done it. That is one reason why every eighth automobile in America to-day is a Cadillac.

On the other hand, Single Cylinder Cadillacs have accomplished hundreds of remarkable performances in the hands of their owners, proving their superiority in many ways over cars rated at from two to four times their power and selling at from fifty to five hundred per cent. higher.

We do not claim for the Single Cylinder Cadillac that it will equal the speed of the highest powered cars on smooth, level roads, but it has proven times almost without number on the long, hard, tedious run, over hill and through valley, through sand and mud, and over roads as they are commonly found, that the thorough dependability of the Single Cylinder Cadillac and its bull-dog persistency enable it to frequently head the procession at the close of the day's run.

Every day adds to its prestige and every day more forcibly proves that the Single Cylinder Cadillac is THE IDEAL CAR for those who desire a motor vehicle which will afford the maximum of pleasure and service with the minimum of expense, the car which affords all there is in motoring—except the troubles.

The Single Cylinder Cadillacs are capable of meeting every reasonable requirement.

They can be relied upon for service every day in the year.

They will climb any hill that any automobile will climb.

They will travel any road that any automobile will travel.

They will travel as fast as anybody ought to ride.

They offer more actual value for every dollar invested than any automobile ever produced.



## The Cadillac Motor

The secret of Cadillac success and efficiency lies largely in the design and workmanship of our motors and their careful installation in the chassis.

The Cadillac Single Cylinder 10 h. p. motor to-day is practically the same as that which was installed in the first Cadillac produced. It was years in advance of anything that had ever been made, and up to the present time there has been nothing made that equals it. It set a new mark for motor builders to strive to reach. Its unparalleled success has prompted others to imitate it, but the imitations lack its power, its reliability and its efficiency; either because their makers cannot solve the secrets, cannot successfully apply the principles, or the expense

of the equipment to duplicate it is too great.

We have

never known of a Cadillac motor that has worn out.

Examination of several of the earliest motors we built has shown them to be practically as good as new and with proper care and lubrication, there is no reason why they should not remain serviceable for many years to come. But, even granting that through neglect and abuse the replacement of some parts becomes necessary, it can be done at less expense and with less trouble than on any other motor we know of. For example, suppose that through lack of attention to lubrication the piston or cylinder becomes damaged. These are the most expensive parts liable to be affected by such negligence, but the price of a new cylinder is only \$8.00, and, the piston only \$8.25. The main bearings of the crank shaft are perhaps the most susceptible to wear from lack of lubrication. In the Cadillac motor, these bearings consist of the highest grade of babbit facing backed by a finished bronze bushing. If replacement should be required, it may be done in a few minutes, it being not

CADILLAC



## The Cadillac Motor

(Continued)

even necessary to remove the crank shaft. The cheap method, the one usually adopted, is to cast the babbit into the frame of the motor. With such construction, when renewal is necessary, the motor must almost invariably be sent to the factory for repairs to secure proper alignment. By our special methods, our bearings are rendered much more durable than those which are simply cast into the crank case.

Interchangeability of all parts and especially those of the motor, is of utmost importance to the automobile buyer, as the cost of maintenance should always be reckoned with. All parts of the Cadillac motor as well as those of the chassis are made according to our system of limit gauges which makes it next to impossible for an imperfect part to enter into their construction. Special attention is devoted to the finishing of the piston and cylinder bore which are smooth as glass, and neither is allowed to pass inspection if it exceeds the prescribed limits of measurement which in some cases are specified to the one-thousandth part of an inch. While this method and the refinement which it secures is expensive for us, it is the only correct method, and to it much of the success of the Cadillac is attributable.

The valves are accurately ground that no gas may escape, all parts are correctly finished and fitted that no power may be lost, and proper provision is made for adjustment of all wear.

The Cadillac Carburetor has proven itself efficient, economical and satisfactory. The system of water cooling has proven itself adequate and the reliability of the Cadillac Spark Plug has been thoroughly demonstrated.

The Motor is provided with a metal dust shield or drip apron which is attached to the frame of the chassis by means of spring hooks so that it may be removed in a few minutes when desired.

## Cadillac Spark Plug

Our Double Insulated Spark Plug, here illustrated, is so simple that it needs no extended explanation, and its advantages are so well known that it requires no special recommendation.

It permits the secondary current to be kept separate from the other mechanism and the expense of replacing its mica cores is almost insignificant.

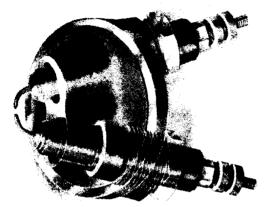
While we can provide for the use of ANY plug, we have not in a single instance furnished any other type. We have known



## Cadillac Spark Plug

(Continued)

many cases where this plug has been used for months until it had been befouled by carbon deposits to an extent that would have rendered an ordinary plug utterly useless, yet notwithstanding these disadvantages it continued to give reasonably good results.



This plug is another of our special features and is one more reason for the constancy of the Cadillac motor. The ease of accessibility to this spark plug is a worthy feature. It may be removed for examination in only a few seconds.

## Cadillac Force Feed Lubricator

A feature which will at once commend itself to everyone who has had any automobile experience is the Cadillac Mechanical Lubricator. To make a motor right is one thing. To make provision for keeping it right is quite another. We have accomplished both. No one thing is more essential to the life and efficiency of a motor than proper lubrication. Proper lubrication means not too little and not too much, but exactly enough. Too much means a fouled spark plug, sticky valves and carbon deposits on piston and cylinder. Too little means destruction to wearing surfaces. A worn cylinder and piston means loss of compression, loss of power and expensive replacement. Worn bearings mean annoying pounding and destructive vibration.

It does not require a genius to realize that the more rapidly a motor is running the more oil it requires. The Cadillac Mechanical Lubricator provides for this. It is equipped with four individual feeds, one for each of the four vital points, viz.: one to the piston, one to the connecting rod and crank shaft bearing and one

CADILLAC



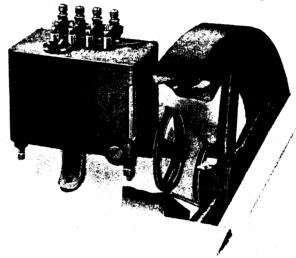
# Cadillac Force Feed Lubricator

(Continued)

to each of the two main bearings. The last two mentioned requiring quantities of oil different from the first two, each of the four feeds is adjusted separately.

The simple pressing on a cut-off plunger stops the oil running to the bearings and forces it up through the sight valves so that the supplies may be regulated. When this has been done, releasing the plunger causes the oil to again be forced to the several bearings.

The Lubricator is driven by a belt running directly from a pulley on the hub of the fly-wheel. Consequently when each sight feed is adjusted for a given quantity of oil per minute when the motor is running at say, five hundred revolutions per minute,



it must force twice the quantity when running one thousand revolutions per minute, or only half the quantity when running two hundred and fifty revolutions per minute. In other words, the motor gets no more nor no less but exactly the quantity of oil required to produce the best results.

Another feature—one of vital importance. A lubricator whose feeds and passages are small is easily clogged with dirt, lint or "gummed" oil, rendering it but little, if any, better than no lubricator at all. In the Cadillac Lubricator such troubles are almost impossible as the passages are all large, hence not easily obstructed, yet it can be adjusted with unerring accuracy. It is readily accessible, being located under the front seat, directly back of the heel board.



# Cadillac Copper Water Jacket and Cooling System

The efficiency of the Cadillac motor cooling system is well known. You do not see Cadillacs "hung up" on the road waiting for the motor to cool off.

The Cadillac Copper Water Jacket is original with us and the

superiority of the system is so thoroughly recognized by other makers that a number of them are willing to pay a royalty for the privilege of embodying it in their cars. With no gaskets to burn, soak or blow out, no leaded joints to melt, no cracking of cylinder in case of a freeze up, and but little expense in replacing the

cylinder if cut or worn, it is quite natural that other makers want it.

These details mean little or nothing to the novice or driver of a Cadillac, but they do mean something to the user of some other form of construction who may have left his machine far from home and sent a mechanic to put in a new gasket. They mean something also to the chauffeur who may have tried to start his motor with a defective gasket leaking water into the combustion chamber, or to those who have been troubled with overheated horizontal cylinders. They mean much to those who have been obliged to pay almost the price of an engine for a new cylinder.

The cheap method ordinarily used, is to cast the cylinder and jacket together, coring to make the space between them. This seldom, if ever, produces a combination with a uniform space between the two for water circulation. The maker cannot detect the fault because he cannot see it, but it will not be long until the purchaser awakens to the results of its imperfection. It will be readily understood that with the thickness of the cylinder wall not uniform, it cannot be cooled evenly throughout its entire surface, the result being that the motor cannot develop the power which it otherwise might.

Our radiator has ample radiating surface and our centrifugal pump keeps the water in rapid circulation. The pump is attached to the frame of the chassis. Being operated by the motor, the rapidity of its action is governed by the speed of the latter, which is the only practical method.

The Cadillac method is the only practical and correct system of jacketing—one reason why the Cadillac Motor develops more power than any other of equal dimensions. The water tank is accessible for filling by simply lifting the cover of the hood.

The water circulating pipes are of copper.

CADILLAC



## Cadillac Carburetor or Mirer

Without an efficient Carburetor, no motor can develop its full power, although it may be perfect in every other particular. For the benefit of the novice it is well perhaps to explain that the Carburetor (or mixer) is the instrument by means of which the

gasoline is transformed into a vapor or gas and mixed with air.

As this gas would not ignite if drawn into the cylinder of the motor in its pure state, it must be mixed with air

in order that the charge may be exploded. If the proportion of gas is either insufficient or too great, the result is an explosion of less

than maximum force, in consequence of which the full capability of the motor is not developed.

The gasoline from the storage tank enters the mixer through the valve "M" (see illustration) and drops into the wire mesh "K." Air is drawn in through the intake tube and evaporates the liquid, and the mixture is then drawn up and through the inlet valve at "A," thence into the combustion chamber of the motor where it is ignited by the electric spark emanating from the spark plug.

In the Cadillac Carburetor, we have a device radically different from any other, so simple that is is easily understood, yet capable of adjustment so precise as to give the exact mixture required. In addition to its advantages of accessibility and durability, its operation is not affected by steep grades. It can be taken apart and cleaned when necessary without in the least affecting its adadjustment, a most desirable feature, and as there is but one moving part, it has no delicate mechanism to get out of order. Four years of continued use have proven its superiority as a mixer for a single cylinder motor.

It is one of the exclusive features which have helped to make the Cadillac famous.

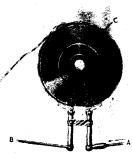


# Cadillac Transmission

The Cadillac planetary transmission is entitled to special commendation. With fourteen thousand of them in constant use—some of them for over four years—we have never known a single one of them to cause trouble from any faults of its own. If there is any other transmission of which a similar statement can be truthfully made, we do not know of it.

The Cadillac Transmission combines, strength, durability, quietness, and requires the least possible attention. These are virtues not possessed by any other gear. It is provided with two friction bands. One of these, operated by a foot lever, applies the slow speed; the other, operated by the control lever, reverses the movement of the car.

By pulling on the rod (a) the band (c) is closed upon the transmission gear drum; the rod (b) is fastened to the rear engine support and balances the pull on (a) so that no matter how much strain is applied through (a) there is no side pull on the transmission drum and consequently no possibility of heating the transmission drum bearings or of undue strain on the crank shaft. This, of course, reduces friction losses and adds correspondingly to the efficiency of the car.



The driving gear (D) is the only part attached to the engine shaft. When assembled, the cover "C" and case "H" form an oil reservoir enclosing all working parts, thus insuring the best possible lubrication with the least attention. It has but ONE oil hole instead of the usual ten or twelve, and will hold enough oil for several days' use.

If the case "H" be held by its brake band when the driving gear is rotating, all the gears in the case, except "B," run at the same speed as the engine shaft, but no faster. The gear "B," and with it the driving sprocket "A," runs at a slower speed but in the opposite direction, producing the reverse. If the case be allowed to revolve, and the drum "K" be held by its brake, all the gears run at much slower speed than the engine shaft, driving the internal gear "B" around slowly forward, producing slow speed. If brake drum "K" be locked to shaft by the high speed clutch, the whole gear revolves and acts as an additional fly-wheel.

By driving through gear "B" and engaging at three points, the lowest possible tooth strains are secured. All the gears are large; none of them can run as fast as the engine except in backing.

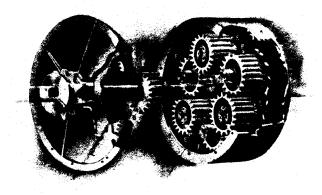
CADILLAC



# Cadillac Transmission

(Continued

These strong points of advantage form a combination of virtues never before secured in any transmission and make the Cadillac transmission the Ideal Gear for its duty. By Cadillac construction



the entire transmission can be removed without disturbing the crank shaft. In plain words, the Cadillac gear is right. Another reason why a 5 x 5 single cylinder engine rated at 10 h. p. has been able to do the same work as some multiple cylinder engines rated at 16 h. p.

# Basoline Tank

The Cadillac Gasoline Tank, shown in cut with top removed, is easy of access, being placed directly underneath the front seat, and carries about seven gallons. It is provided with partitions at "A" which prevent undue splashing. The partition "B" forms a compartment holding about one gallon. When

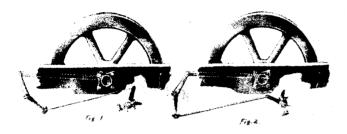
the gasoline in the main compartment has been consumed, the motor will of course stop, which serves notice to the driver that but one gallon remains (in the compartment) and that it will be necessary soon to renew the supply. The reserve may be transferred to the main tank by simply opening the valve "C."





# Safety Starting Device

If, when starting a motor, the spark be advanced, it effects an early ignition of the charge. This causes the motor to start backwards or "kick back" which is liable to injure the operator by the starting crank striking him.



The Safety Device on the Cadillac makes this impossible. Attached to and operating in conjunction with the spark advance mechanism, we have a safety slide. In advancing the spark lever it also moves the safety slide into a position where it obstructs the entrance of the crank, (See Fig. 2) making it impossible to start the motor until the spark lever is moved to its normal position, (See Fig. 1.)

MUFFLER. The Cadillac Muffler is an effectual "silencer," and while back pressure has been reduced to a minimum, it is equipped with a cut-out which acts as a safety valve. This can also, when desired, be used as a warning signal by simply pressing with the foot on a trigger which extends up through the floor of the car.



STEERING MECHANISM is of the rack and pinion type and is operated by means of the steering wheel.

ELECTRICAL SYSTEM. The ignition is by the jump spark system with coil and switch on the dash of the car and two sets of dry cell batteries, one for use and the other for reserve, located where they are readily accessible. The secondary wires are strung in the channel of the chassis frame where they are out of the

way of dirt and dampness, hence no liability of short circuiting.

CONTROL. The slow speed is applied by a foot lever and the high speed and reverse by a hand lever at the side of the car. (See explanation of action under Transmission.)

CADILLAC



THE BRAKE mechanism consists of two friction bands which contract on the drums of the rear axle differential and are applied by a foot lever. The latter is equipped with pawl and ratchet so that the brake can be held at any tension desired. Our differential drums are extra large, being nine inches in diameter, affording large friction surface and brake efficiency.

FRAMES. Our frames are pressed from a special grade of steel and tested to withstand strains much greater than they will be called upon to bear.

AXLES. Our rear axles are of steel tubing with high grade steel live axles, keyed to differential drums, the bearings being of the roller type. Rear wheels are keyed to the live axle sections. The differentials are of the Brown-Lipe spur gear pattern. Front axles are of steel tubing with drop forged front wheel spindles, the front wheels being fitted with ball bearings.

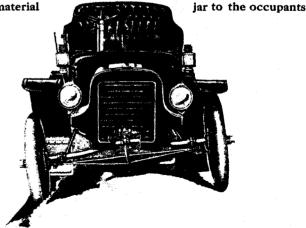
DRIVE. Hardened steel roller chain with detachable links, each link pin secured by a cotter pin. In case of accident, the rereplacement of a link requires but a few minutes' time.

SPRINGS. Our springs are of the highest grade possible to obtain.

We wish to direct special attention to our front spring suspension, the advantages of which will be readily understood by referring to the accompanying illustration.

On the front axle at the point of the spring suspension, a rocker joint is provided. This joint fully doubles the efficiency of the spring and permits one wheel to pass over obstacles several inches in height or into depressions of equal depth without disturbing the level of the body or transmitting any material jar to the occupants







BODIES. Special attention is directed to the design of the several Cadillac bodies.

On the "K" runabout the Victoria type of body is used, while on the Model "M" we offer the choice of the straight line type or of the Victoria.

The straight line pattern will find favor among those whose ideas follow conventional types, while the Victoria appeals to those whose preferences are for something truly artistic and strikingly exclusive.

The dash is of pressed steel, hollow, and substantially reenforced.

FENDERS. Our fenders are special Cadillac pattern formed from sheet metal and so designed that they will be found very effectual in protecting both the car and its occupants.

WHEELS are of the artillery type made from specially selected second growth hickory. Rear wheels are keyed to live axle shafts and doubly secured thereto by slotted hex nuts and cotter pins. Front wheels are ball bearing with tool steel cups and cones.

FINISH. The quality of the Cadillac finish is not excelled in any automobile. Each coat of color is applied with extreme care and rubbed down thoroughly before the succeeding coat is applied. This gives it the smoothness and durability for which the Cadillac finish is noted.

The sheet metal parts, such as hood, dash and fenders are not simply painted, but are finished in a number of coats of enamel, each of which is carefully baked.

The finish of the "Model K" Runabout and the "Model M's" (excepting Victoria) is brewster green bodies with hair-line red striping. The frames, axles, wheels, etc., are finished in Red with hair-line black striping.

"Model M" (Victoria Body). The finish of the lower part of the body is black, while the seat panels and doors are finished in purple lake (a deep rich wine color) with light carmine striping. The frames, axles, wheels, etc., are finished in red with hair-line black striping.

UPHOLSTERING. The seats are luxuriously upholstered in genuine black leather tufted over steel coil springs and fine quality curled hair. The leather in the "Model M" Victoria is of a color to harmonize with seat panels.

EQUIPMENT. Each Cadillac is furnished with a set of tools for ordinary adjustments, including a pump and repair outfit for tires.

Our prices do not include lamps, horn or other accessories. If we were to furnish these, we would simply be obliged to increase the selling price of our cars to cover the extra cost. Dif-

CADILLAC



ferent persons have different tastes and requirements, therefore by our policy, each purchaser is free to choose and purchase such accessories in accordance with his individual preferences.

TIRES. The standard 1907 equipment for Cadillac cars will be Hartford or Morgan & Wright Dunlop type of tires. We will also furnish without extra charge, when so ordered, either Hartford, Morgan & Wright or G. & J. Clincher tires.

We have adopted as standard equipment, the Midgley Universal Rims with which either of the above makes and either of the above types (Dunlop of Clincher) may be used.

NOTE. When make and type of tire desired (as above designated) are not specifically stated in ordering, we will equip cars with the Dunlop type of tire made by either the Hartford Rubber Works Co., or Morgan and Wright, at our option.

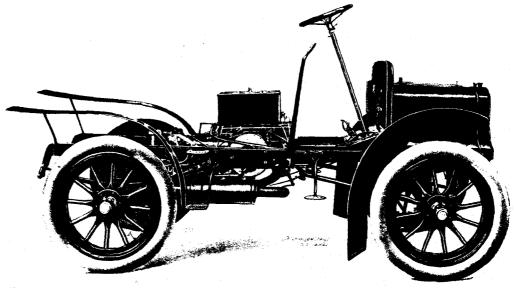
TIRE GUARANTY. All tires and rims used on Cadillac automobiles are guaranteed by their respective makers and in case of claims should be sent to the factory or any of the branches of said makers (not to us), transportation charges prepaid.



## Models

										Page
Chassis	•									18
"Model K"	Runabout	:	•							20
"Model K"	Runabout	wi	h T	op						27
"Model M"	•		•		•					22
"Model M"	' Victoria	. •								24
"Model M"	with Top	1	•		•			•		26
"Model M"	' Coupe						•			25
"Model M"	Folding T	ont	neau			•				28
"Model M"	Delivery								•	29





CHASSIS





page cighteen

# Features of Cadillac Single Cylinder Cars

MOTOR. Ten horse power. One cylinder, 5-inch

bore by 5-inch piston stroke.

MOTOR BEARINGS. Interchangeable, adjust-

VALVES. Vertical, mechanically operated, variable inlet control.

CARBURETOR. Special Cadillac type, automatic elastic stop diaphragm.

COOLING. Copper water jacket. Tubular fin type radiator. Water capacity three gallons. IGNITION. Jump spark. Coil and switch on dash.

LUBRICATOR. Mechanical force feed. TRANSMISSION. Cadillac planetary, two speeds

forward and reverse. Balanced double acting clutch bands.

STARTING DEVICE. Cadillac safety type.
FRAME. Pressed steel.
AXLES. Tubular steel. Rear live axle revolves

on roller bearings. Ball bearing front wheels.

DIFFERENTIAL. Brown-Lipe spur gear. WHEELS. Artillery type, best selected second growth hickory, pressed steel hubs. Rear hubs taper fitted and keyed to live axle sections.

BRAKES. Double acting on differential drums, operated by ratchet foot lever.

STEERING. Wheel, rack and pinion.

CONTROL. Throttle and spark levers at steering wheel. High gear and reverse applied by side lever, low gear by foot lever.

SPRINGS. One semi-elliptical with rocker joint in front. Two semi-elliptical rear.

GASOLINE CAPACITY. Seven gallons.

WHEEL BASE. 76 inches.

WHEEL TREAD. 56 inches (option 61 inches).

TIRES. "Model K," 30 x 3 inches "Model M," 30 x 31/2 inches. For tire equipment see page 17.

#### PRICES ON INCOMPLETE CARS

#### Subject to Same Terms and Conditions as Complete Cars

"Model M" Chassis (including dash and hood), with wheels and 30 x 3¼-inch tires
"Model K" Chassis (including dash and hood), with wheels and 30 x 3-inch tires
"Model K" Chassis (including dash and hood), with wheels and 30 x 3-inch tires
The tires included in above prices are either the Dunlop or Clincher types made by either the Hartford Rubber Works Co.,
of Hartford, Conn., or Morgan & Wright, of Detroit, or the G. & J. Clincher tires made by
G. & J. Tire Co., of Indianapolis, Ind.

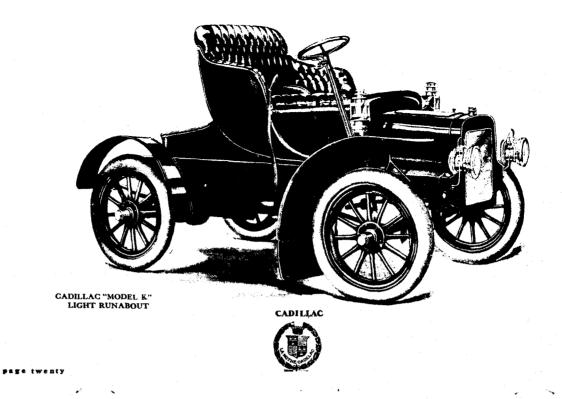
BODIES (Not including dash or hood)

"Model K" Runabout Body, divided seat, standard finish, including upholstering and spring seat cushion
"Model M" Body, either Victoria or Straight line type, double side door entrance, divided front seat, standard color, including upholstering and spring seat cushions

All quotations are F. O. B. Detroit.



page nineteen



# Cadillac "Model K" Light Runabout

The Cadillac Single Cylinder Runabout is the most popular car of its class in America and among professional men its numbers nearly, if not fully, equal all other motor cars combined. In this model are embodied all of the meritorious Cadillac features described in detail on preceding pages.

It has of late become especially popular among owners of large touring cars, who find it a matter of great convenience to keep a Cadillac Runabout for general all around business purposes owing to its almost unfailing dependability, its ease of control in crowded thoroughfares and particularly its low cost of maintenance.

As a pleasure car for two persons it has never been equalled. Its light weight admits of its being geared to run at the rate of 30 to 35 miles per hour, which is faster than most people care to ride over average roads.

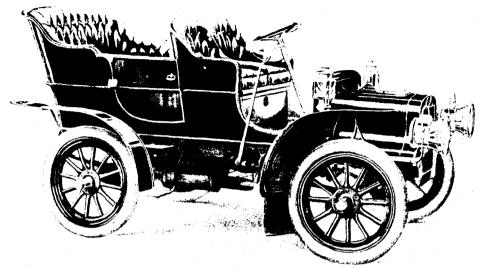
We gear this car with 10 tooth sprocket on the motor shaft and 38 tooth on the rear axle. This gear is considered best adapted for general use on average roads and hills For localities where steep grades predominate, a 10-41 combination is of some advantage, while a 10-34 combination affords the maximum speed in localities where the roads are smooth and level.

For tops see page 27.

#### STANDARD SPECIFICATIONS

Axies .	. Tub	uls	r B	all	Fr	ont,	Ну	att Ro	ller Rear
Tread								. :	56 inches
Wheels									30 inches
Wheel B	ase							. :	74 inches
Tires .								30 ×	3 inches
	For tir	e e	qui	pm	en	t se	e pa	ge 17	
BodyD le	ivided ather	se	at,	tr	imı	ned	in	hand	huffed
Color						St	and:	ard, see	page 16
Gear .									10-38
Weight				A	ppr	oxi	mat	ely 110	pounds
Length o	ver all							9 feet	2 inches
Width or	rer all							5 fect	8 inches
Height o	ver all		•		•		•	5 feet	6 inches
The fo							fu	rnished	i subject
Tread								. 6	l inches
Cont								10-41	Lon 10 24





CADILLAC "MODEL M"

CADILLAC



page twenty-two

# Cadillac "Model M"

In this model we offer a car which for general utility will not suffer in comparison with any automobile, regardless of cost. No effort or expense consistent with its price, has been spared to make it all that could be wished for in a light family car, easily capable of a speed of 25 to 30 miles per hour. In it are embodied all of the Cadillac special features, and we do not hesitate to assure our friends that it positively offers better value than any car selling at from 50 to 100 per cent. higher, while with the advantages of economy in fuel and oil and low cost of maintenance generally, it has no competitor at any price.

The Model "M" is geared for maximum power and reasonable speed, the 10-41 sprocket combination being considered best for average roads and hills, while for specially hilly localities a 10-45 gear may be advantageous.

It will be found a constant car, ready for service at any and all times.

For tops see page 26.

CADILLAC



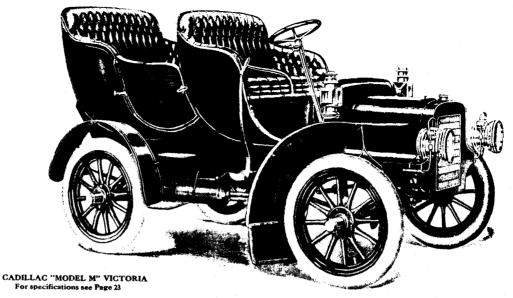
"MODEL M"

#### Not Convertible Standard Specifications

Axles,	1	`ub	ula	r B	all	Fre	nt-	-н	yati	R	olte	r Rear
Tread,											56	inches
Wheels,											30	inches
Wheel Ba	se,										76	inches
Tires, .									3€	x	3:	inches
	Se	e T	ire	E	qui	Рm	ent	, p	age	17		
Color,							St	and	fard	<b>I,</b> s	ee p	age 16
Gear												10-41
Weight,					A	pr	oxi	ma	rely	1.	350 p	ounds
Length ov	er	ail,							9	fe	et 7	inches
Width ov	er :	ali,							5	fe	et 8	inches
Height ov									5	fe	et 2	inches

The following options can be furnished, subject, of course, to possible delay:

Gear . . . . . . . . . . . . . . . . . 61 inches



CADILLAC



page twenty-four

CADILLAC
COUPÉ
"MODEL M"

spread cians well
day
well
The lo
be of

CADILLAC



This is a handsome, finely finished Model, which for richness in appearance compares favorably with the most expensive types of enclosed cars.

This Coupe has met with widespread favor particularly among physicians and others who require a car which is specially adapted for use every day in the year, and for inclement as well as pleasunt weather.

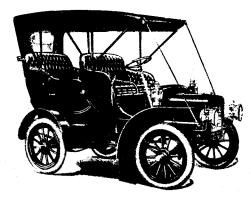
The front and rear windows may be lowered and the side windows may be opened while those in the doors are easily removable.

It is suitable for country as well as for city use and with the preeminent Cadillae characteristics—economy and thorough dependability—it offers advantages not possessed by any other type of motor vehicle.

The chassis, standard specifications, color, upholstering, tires, etc., are the same as those of the regular "Model M" as set forth on page 23.



Cadillac "Model M" With Cape Cart Top



Cadillac "Model M" Victoria With Cape Cart Top

Having established a special department for the manufacture of tops, we are prepared to furnish a line that is strictly in keeping with Cadillac cars.

The material used in the covering is a special quality of reen-forced rubber cloth calculated for service. The bows are ash with steel bow sockets, the rear bows being substantially reenforced. All bows are covered with hand buffed bow leather.

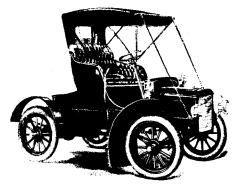
Double straps both in front and in rear hold the tops securely in

The material and workmanship is first-class in every particular. When shipped with cars, the tops are carefully fitted. Tops include side curtains and storm front with celluloid windows.

#### CADILLAC



page twenty-six



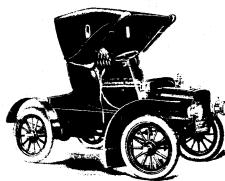
#### Cadillac "Model K" Runabout With Buggy Top

Our Runabout tops are substantially made of the same material as those described on preceding page, viz.; special quality of reenforced rubber cloth over ash bows and steel how sockets, with front and rear straps to hold top in position.

Runabout tops include side curtains and storm apron.

"Model K" with special reenforced rubber cloth top,

We also make this type of top for the "Model K" Runabout in hand buffed leather.



Cadillac "Model K" Runabout With Victoria Top

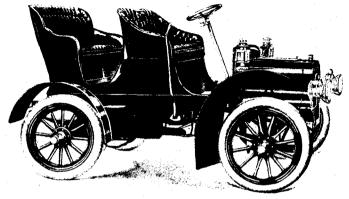
The "Model K" Runabout equipped with full leather Victoria top offers a most desirable two passenger car for general utility.

The Victoria top is high grade in every particular. It is substantially made of hand buffed leather lined with broad-cloth over ash bows and steel bow sockets.

This Victoria top is built on the body by us and is not intended to be detached. It is not sold separately as it cannot be fitted to the car excepting at our factory.



# Cadillac "Model M" folding Tonneau





This model is offered to meet the demand for a convertible car suitable for carrying two or four persons as occasion may require. As will be seen by the illustrations the tonneau may be folded down converting the car into a neat runabout.

With the exception of the style of the body, this car is the same as the regular "Model M" (see specifications page 23.) This body will not be fitted to our Runabout Chas-





page twenty-eight

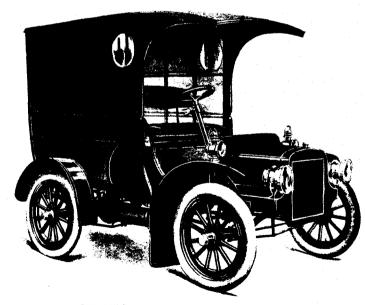
# Cadillac "Model M" Delivery

This car is offered as a thoroughly practical vehicle for light delivery service. The splendid satisfaction which these cars have afforded hundreds of merchants and others throughout the country who require a dependable vehicle for all the year round, is evidence of their efficiency.

For commercial use, economy of operation and maintenance are prime requisities and the marked success which has attended this car is due principally to these characteristic Cadillac features.

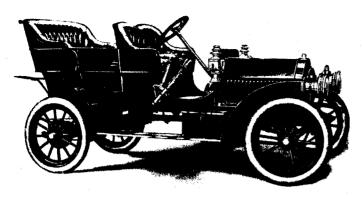
The specifications are the same as those of "Model M" (see page 23) except the gear, which is a 9-45 sprocket combination.

Length,	:			42 inches
Width				40 inches
Height				50 inches
Capacity		500 t	o 60	abauoa 0









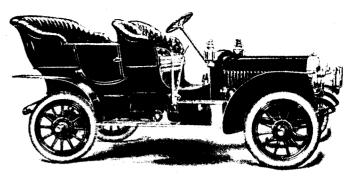
Cadillac "Model G" Touring Car Four Cylinder, 20 H. P.



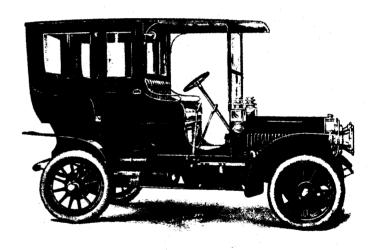
Cadillac "Model G" Runabout Four Cylinder, 20 H. P.

If interested in above, send for Special Catalog of "Model G."





Cadillac "Model H" Touring Car Four Cylinder, 30 H. P.



Cadillac "Model H" Limousine Four Cylinder, 39 H. P.

If interested in above, send for Special Catalog of "Model H."



# Terms, Conditions and Ansaructions for Ordering

PRICES on Automobiles and parts are positively NET, F. O. B. Detroit.

DISCOUNTS. We do not allow discounts excepting to bona fide automobile dealers, with whom we make annual contracts for quantities of cars and who are properly equipped to conduct their business successfully and serve the best interest of Cadillac owners.

TERMS. Our terms on parts are strictly cash with order excepting to our regularly appointed dealers with whom we have accounts. We do not open accounts with others.

Orders accompanied by remittances will receive prompt attention, otherwise we will be obliged to hold them and write for the money.

When parts are desired by mail, the remittance must be sufficient to cover postage also. If remittance is more than sufficient we will refund the amount overpaid.

REMITTANCES should be made by New York or Chicago exchange, Post Office money order or Express money order. When checks on local banks are sent, we hold the order until we receive returns from the check.

WHEN ORDERING, state definitely what is wanted. Do not leave anything to be inferred. Write and sign your order plainly, on a separate sheet from your letter. When ordering ANY part, always give the number of motor in your car. This is imperative. Also state the model and the year's make of your automobile. A Price List of parts will be sent to Cadillac purchasers upon receipt of request stating the Model of Car for which same is desired.

WHEN RETURNING GOODS to us for any reason, charges must be prepaid or they will not be accepted from the Railroad or Express company. They must also be tagged with YOUR name and address (or we cannot identify them) and accompanied by a letter of instructions.

CORRESPONDENCE. Our executive force is large, the Finance, Sales Agency, Order, Repair and Shipping Departments being under separate heads. It is therefore important that correspondence bearing on different subjects should be written on separate sheets, dated and signed so that each may be sent immediately to the department to which it belongs, making it unnecessary for one letter to go the rounds of several departments, which causes delay. Address all correspondence to the company, not to individuals.

EXTRAS. When automobiles are to be shipped long distances, singly, it is sometimes advisable to have them crated. The cost of crating Single Cylinder Cadiliacs is \$10.00 each, extra, NET.



1906-07-08



FIRST EDITION

NUMBER ONE

INSTRUCTIONS FOR CARE AND OPERATION OF

CADILLAC "MODEL H"

4 cyl. 1906

CADILLAC MOTOR CAR CO. DETROIT, MICH. U. S. A.

RAYNOR & TAYLOR, PRINTERS, DETROIT.



# \* PARTS AND REPAIRS

#### Go the Owner:

To avoid unnecessary delay and useless correspondence PARTS FOR REPAIRS should, where possible, be ordered from the dealer from whom machine was purchased or from nearest local Cadillac dealer who is generally in a position to know what is desired and how to order it. (If he is not we should like to know it).

With nearly or quite ten thousand Cadillac automobiles in use it is obviously impractical for us to deal direct with all Cadillac owners. We cannot open accounts with or sell at a discount to any except regular dealers with whom we make annual contracts. Where conditions are such as to, in our judgment, warrant it we will fill orders for parts at prices listed in our parts catalogue f. o. b. factory providing Cash accompanies the Order.

In case orders are sent under above conditions we must have motor number, and model of machine with correct description, also sketch and exact dimensions of the part wanted. If these are not procurable, return the part properly tagged, charges prepaid, (or it will not be accepted), a special letter of instructions written and return instructions given. Otherwise we cannot promise prompt service or an intelligent fulfillment of the order.

Our responsibility in all cases ceases with delivery to the transportation company.

Repairs.—In the event of claims or the necessity for repairing on such parts as TIRES, SPARK COILS, BATTERIES OR RADIATORS, do not send these to us. It only incurs extra expense because we would be obliged to re-ship them to the factories. In all such cases correspondence should be opened direct with the makers of the parts and if necessary the same should be sent direct to said makers or their branches, transportation prepaid.

The names and addresses of makers will be found on these respective parts, excepting radiators. The latter

are made by the Whitlock Coil Pipe Co., of Hartford, Conn.

## Go Cadillac Dealers:

We prefer to transact all our business through our regular dealers with whom we have contracts. However, in order to give Cadillac owners more prompt service we are willing to open accounts with sub-dealers in your territory with your guarantee and consent. It is our desire to protect our dealers as well as the owner and for this reason have adopted the above policy.

Broken parts must invariably be sent to us transportation charges prepaid for examination before any claim will be allowed. The new parts will be charged for, and if any allowance is made credit will be given for

old parts if returned within 30 days.

Above instructions to owner relative to ordering parts must also be followed.

CADILLAC MOTOR CAR COMPANY.

#### THE CARE OF A MOTOR CAR.

In the care and operation of an automobile, much must be left to the judgment of the operator, who should study the construction of his car and thoroughly acquaint himself with its mechanism, the functions of its various parts and the "why" of everything connected with it. Remember that the difference between a comprehensive understanding of your automobile and the superficial knowledge possessed by most owners and drivers is the difference between having troubles and annoyances and not having them.

The old adage "A stitch in time saves nine" applies with special significance to the motor car. This does not necessarily mean that it should be constantly tinkered with but that intelligent care and proper attention will often correct a needed adjustment or lubricate a bearing that is becoming dry, but which if neglected may cause serious and possibly expensive damage.

The care of an automobile may be boiled down to two important instructions—"Lubricate" and "Adjust." It will be readily understood that where one part moves or works upon another, there is always more or less friction and these parts must be oiled more or less frequently, including springs, shackle joints connecting rod bearings, etc.

Great care is also necessary to see that all nuts, bolts and screws about the car are kept properly tightened. Most important parts subject to wear are, wherever possible, provided with adjustments for taking up such wear and these should be inspected occasionally, and receive attention whenever required.

By far the greater portion of "automobile troubles" is the result of negligence and carelessness, while the reasonable care to which any piece of machinery is entitled, will insure long life and satisfactory service.

# TO PLACE MOTOR AND CAR IN RUNNING CONDITION.

The crank case should contain enough oil in each of the compartments, so that the oil will fill each of the four wells or pockets and overflow to a depth of about one-eighth inch on the bottom of the crank case, and so that the splashers which are attached to the connecting rods will dip into this supply, thus throwing the oil over the parts to be lubricated.

See that the lubricating tank to the right of the motor is filled with good gas engine oil of high fire test, using a heavy grade in summer and a lighter grade in winter, also see that the sight feed on the dash is filled with water in summer and glycerine in winter, or a mixture composed of equal quantities of each will be found suitable for all the year round. This is filled by removing the cap from above the sight feed glass. The pump plunger is controlled by the adjustable stop screw and is locked by the nut. The quantity of oil supplied may be controlled by means of this adjustment: Turn this screw to the right to decrease the quantity and to the left to increase it, and lock it with the nut. The adjustment for the supply of oil should be so regulated that the quantity held in the bottom of the crank case, will be maintained as above indicated, and a daily inspection of the crank case should be made to see that the quantity is maintained. Be sure to use clean oil as dirt will clog the lubricator and may damage the working parts of the engine. It is best to strain all lubricating oil through cheese cloth or fine mesh wire cloth before using. The lubricator takes care of all the internal working parts of the engine. Too much oil forms carbon deposits in the combustion chambers and on the spark plugs and will, if excessive, cause premature explosion. Too much oil may cause serious annoyance; too little means the destruction of wearing surfaces. Oil with discretion. Blue smoke is an indication that too much oil is being used; when this is noticeable, cut down the supply.

It is necessary also to see that the grease cups and oil holes about the machine are properly supplied with lubricant, one of the most important being the transmission, which should always contain a supply of oil. This is readily oiled by means of an oil gun, which may be inserted into the oil tube on the side of the transmission. This oil should be the same as used in the engine, heavy in summer and light in winter. Use a pint twice a week for ordinary driving.

The universal joint next to the transmission should also be kept packed with cup grease. This should be examined occasionally to be sure that it is amply supplied. The rear universal joint is supplied by the grease cup which should be screwed down at least a turn every day.

The rear axle housing should always contain enough oil so that the large bevel gear will dip into it, keeping the bearings and gears well lubricated. This may be filled by removing the plug from the differential gear case or spherical part of the housing. The first filling will require about one quart of oil. It is also advisable not to use too much. To prevent this another plug is provided on the underside of the sphere. When placing the oil in the housing, also remove the plug from the underside of the sphere so that any excess will run out. The

quantity of oil should be maintained on a level with the under plug.

The high speed and main clutch rings are supplied with compression grease cups, which should be kept filled with heavy grease and screwed down one revolution every one hundred miles. The faces of the high speed clutch rings should be oiled at least once a day to insure them against sticking. When the high speed clutch does not release, it has the effect of stopping the motor when you try to engage any other speed.

At each end of the transmission shaft is a Hess-Bright ball bearing. While these bearings require no adjusting whatever and very little lubricating, it is well to oil them several times a year. The commutator should be oiled frequently and cleaned out occasionally with kerosene.

The fan shaft should be oiled occasionally at its ball bearings on each end of the shaft. The brake lever, transmission cam shaft and cam shaft locking plunger should be kept well lubricated by means of oil holes which are plainly visible on same. The governor should be oiled occasionally at the various friction points. The steering gear should be well lubricated with heavy oil which can be placed inside the steering gear case by removing the plug from front of same. The water pump gear shafts are supplied with grease cups which should be turned down once about every hundred miles. The parallel and steering rods should be well lubricated and are supplied with oil cups or oil holes.

The spring brackets and king bolts should have plenty of lubrication. Should the springs squeak, it will be necessary to jack up the frame of the car and insert graphite and grease between the leaves. This will keep out water and rust.

#### TO FILL THE WATER CIRCULATING SYSTEM.

This is done by removing the brass knurled cap on top of the radiator and filling same with clean water in the summer and a good anti-freezing compound in winter. Twenty-five to thirty per cent solution of glycerine in water is a very reliable anti-freezing compound.

Make sure that the radiator is filled at all times or the water circulation will stop and cause the engine to heat and pound. This is important

#### GASOLINE SYSTEM.

There are two gasoline tanks, the large main tank for regular use and the auxiliary for emergency. Both are located under the front seat. To fill these tanks, take out the left seat cushion, raise the seat board and remove the plugs from the tanks. Clean gasoline, strained through a chamois skin, should be used, as water, grit or lint will prevent the proper working of the carburetor.

The handle of the valve which stops the flow of gasoline from one tank and turns on the other, protrudes up through the floor of the car close to the heel board. Under ordinary conditions the gasoline should be used from the main tank. To open this, turn the valve handle to the left (unscrewing it) as far as it will go. To close this and open the flow from the auxiliary tank, turn the valve handle to the right (screwing it in) as far as it will go. Bear in mind that the valve handle or key, which is marked to indicate the direction in which it must be turned, must be turned until tight in either case so that the valve will seat tightly and stop the flow from the other tank.

It is not necessary to use the supply from the small or auxiliary tank excepting when the supply in the main tank is very low and an exceptionally steep grade is encountered.

The main storage tank is supplied with a settling chamber to collect any water or dirt which may be in the gasoline. This can be drawn off by removing the plug from the bottom.

#### TO START THE MOTOR.

First place the control lever at the side of the car, in the neutral position, then set the rear brake by means of hand lever at side of car, which also disengages the engine by releasing the main clutch, the pedal for which is at the left of the steering shaft. Place the spark lever, which is the short one at the steering wheel, on dead center. (Dead center position is indicated by the letter "C" on the sector). To retard the spark, push the spark lever from you; to advance the spark draw the lever toward you. Place the governor or controlling (throttle) lever, which is the long one at the steering wheel, directly underneath and parallel with the spark lever when the latter is on centre. To open the throttle, move this lever towards you; to close the throttle, move it from you.

Next flush the carburetor by means of the priming lever. This holds the needle valve off its seat and allows the gasoline to flow down into the carburetor. Then turn on the switch at the dash coil. The motor is now ready to start. This is done by means of the starting crank (in front, below the radiator). First push the crank in, then pull up on it and turn the crank to the left (in the reverse direction to the movements of the hands of a clock). Do not push down on the crank as it makes it harder to turn, and should you have advanced your spark, a back kick would occur, which would endanger the operator. If you were pulling up with the spark advanced, the

crank would be pulled out of your hands, which would not cause any disastrous results.

After the motor has stood some hours, or long enough to have entirely cooled down, it is sometimes necessary to prime it before trying to start. However, if a motor has just been stopped or has stood only a short time, it will usually start without priming. If it does not, it should be primed.

In extreme cold weather, gasoline motors are sometimes hard to start and require more generous priming than in moderate temperature. It is usually unnecessary to prime a motor unless it has been standing idle for an hour or more. Too much priming will make too rich a mixture and necessitate more cranking than would otherwise be required.

In extreme cold weather, if the motor should not get sufficient gasoline to start by the usual method of priming, the gasoline may be placed directly into the combustion chambers by opening the cocks on the top of each cylinder and pouring about a half teaspoonful of gasoline into each of the small cups. Be sure then to close the cocks again.

#### TO START THE CAR.

When the motor has been started, the driver should get into the seat before loosening the brake and ascertain the position of the controlling lever, which controls the reverse, low, intermediate and high speeds. When this lever is as far forward as possible, the transmission is on the reverse. Pulling the lever out of the reverse brings it into the neutral position, which means that with the lever in this position, the car will go neither backward nor forward. By pulling the lever toward you, the first engagement will be the low speed, which results from the fact that it requires three revolutions of the engine crank shaft to produce one revolution of the transmission or

driving shaft. By pulling the lever still nearer to you, it brings it into the intermediate gear, and consequently the intermediate speed, which results from the fact that it requires one and two-thirds revolutions of the engine crank shaft to produce one revolution of the transmission or driving shaft. Pulling the controlling lever closer to you, brings it into the high speed. In high speed, the transmission or driving shaft makes the same number of revolutions as the engine crank shaft.

Now that the positions of the controlling lever have been learned, be sure that this lever is in the neutral position, that is, between the reverse and low speeds, then let off the brake, taking care to hold the main clutch out by means of the foot pedal at the left of the steering post. The spark should now be advanced by drawing it toward you about one and a half inches and the throttle should also be opened about the same amount. The main clutch may now be let in by allowing the joot lever to move slowly toward you. With the control lever in the position referred to, viz., the neutral, between reverse and low speeds, the operator may now back the car by pushing this lever forward, or to go ahead slowly by pulling it towards him. This should be done gently and not with a jerk. When the car has gotten under way on the low speed, pull the lever into the intermediate speed. After the car has gotten under way at this speed, pull the control lever into the high speed position. The speed can then be controlled by the throttle and spark.

The transmission may also be handled like a sliding gear, viz.: by disengaging the main clutch by means of the foot lever, then setting the controlling lever at the speed desired, then again letting in and engaging the main clutch.

In the use of the brake lever and the controlling lever it is important to pull them straight back or push them straight forward; do not pull or push them sidewise.

#### TO START ON SPARK.

The motor may also often be started on the spark, that is without the necessity of cranking, frequently for a considerable length of time after it has been stopped. When it is desired to do this, place the spark lever on center and place the governor controlling (throttle) lever parallel with it as in crank starting, then close switch on dash coil. If the vibrator does not work, retard spark by moving spark lever slowly from you. Then as soon as the motor starts, advance the spark by drawing spark lever toward you to centre position.

If the vibrator works but motor does not start, it will be necessary to crank in the usual manner.

#### TO STOP THE CAR.

To stop the car: First disconnect the main clutch and apply the brakes by means of right foot lever, then set the emergency brakes by means of the hand lever at the side of the car, move the controller lever to the neutral position, place the spark lever in dead centre position and the throttle lever parallel with it, then turn off the switch. The car is now in condition to be started on the spark as explained in the preceding paragraph.

#### TO COAST.

To coast on the level, simply disengage the main clutch by pressing forward on the left foot pedal.

The best method when coasting down hill is without the use of the brakes at all and is done as follows:

Close the throttle and retard the spark so that the engine will run very slowly, then engage the high speed clutch. If this does not hold the car sufficiently, then engage the intermediate speed.

If the hill is too steep for this to hold, then engage the slow speed gears.

The principle of this method will be understood when you realize that the same combination of gearing which changes the ratio between the engine shaft and the rear axle, which makes it easier for the engine to drive the car, will, when the car is compelled to drive the engine, have exactly the opposite effect, which is the case when the above method is used in descending a hill.

#### BRAKES.

There are two sets of brakes. One set expands within the drums on rear wheels and are applied by a hand lever at the side of the car. The other set contracts on the rear wheel drums and are applied by the right foot lever. The application of either set of brakes automatically releases the main clutch, disconnecting the motor from the transmission. Both sets of brake bands should be kept properly adjusted so that they will grip sufficiently when applied yet be perfectly free when not applied. It is also advisable, particularly on a new car, to give the brake bands a little oil occasionally. The left foot lever is for the purpose of releasing the main clutch only.

#### COMMUTATOR AND SPARK COILS.

In case of trouble with spark coils, which you are unable to correct, or when repairing is required, do not send them to us, but correspond with the coil manufacturer, whose name and address will be found on the coil.

When batteries require re-charging, do not send them to us, but send them to some station near you which is equipped for that work.

Each spark coil is adjusted by means of the knurled adjusting screw. The contact points on these screws, as well as the one on the spring, are made of platinum. Should these become pitted and uneven it will be necessary to smooth them off to an even surface by means of a fine flat file. After redressing the points, see that the platinum point on copper ribbon is directly under and in line with the adjusting screw.

The vibrator should be adjusted so that it will give an even vibration and secure the proper working of the motor. This can be determined by turning the screw to the right or left and secure the more rapid movement of the motor.

If it should be necessary to disconnect the primary wiring which connects the spark coils with the commutator, it will save time, especially for a person not familiar with re-wiring, to tag or mark in some way, each end of the four wires so that they may readily be re-connected.

When putting in new wires, or when the above suggested method of identifying each wire has not been observed, it will be advisable to disconnect the primary wires from the coils and commutator and proceed as follows:

Place the spark lever at the steering wheel about midway on the sector and remove the spark plugs, allowing them to rest on the tops of the cylinders, but leaving them connected with the secondary wires which connect them with the coil, and then turn on the switch.

Remove the forward cover from the side of the crank case so as to be able to see the position of the crank. Next crank the motor, bringing the piston in the forward cylinder (hereinafter designated "No, 1") to the completion of the compres-

sion stroke. This position is on dead center—about one-third of a revolution of the fly-wheel after the inlet valve has closed.

Now having the wires disconnected from both commutator and coils, first connect the primary wires with each coil. Next observe the position of the rotating arm in the commutator, noting the contact plate with which the roll on said rotating arm comes in contact and attach the primary wire from the first coil (the coil at the left as you sit in the car) to the terminal which connects with the contact plate with which the commutator roll is contacting. To determine which one of the four primary wires is attached to the first coil, it will be necessary to test them in the following manner: Hold the metal terminal at the end of one wire in contact with any part of the motor and the wire which causes the vibrator of the first coil to act and which causes a spark at the plug at the first cylinder, is of course, the wire which is connected with the first coil. The second, third and fourth wires are identified in the same manner. As the rotating arm in the commutator turns to the right, the primary wire from the second coil should now be attached to the terminal to the right of the one just connected. The wire from the fourth coil should be attached to the third terminal, and the wire from the third coil should be attached to the fourth terminal.

The order in which the cylinders are fired is 1, 2, 4, 3, etc. (the forward cylinder being No. 1) but the order in which the commutator roll contacts with the contact plates is 1, 2, 3, 4; therefore contact plate No. 1 connects with coil No. 1, contact plate No. 2 connects with coil No. 2, contact plate No. 3 connects with coil No. 4, and contact plate No. 4 connects with coil No. 3.

The secondary wire on coil No. 1, which is at the left, should connect with spark plug in cylinder No. 1, No. 2 coil with

cylinder No. 2, No. 3 coil with cylinder No. 3 and No. 4 coil with cylinder No. 4. Spark plugs should be kept clean. Washing in gasoline is a good practice as the film of oil which adheres to the plug will be removed; this will prevent the carbon adhering to it which would short-circuit the plug.

An excessive amount of oil in the engine will cause short-circuiting of the plugs.

#### TIMING THE VALVES.

The fly-wheel is marked as follows:

I O meaning Inlet Opens

I C meaning Inlet Closed

E O meaning Exhaust Opens

E C meaning Exhaust Closed

Each of the above appears twice on edge of the fly-wheel. Nearly underneath each "E O" is an "O." When an "O" is exactly at the top of the fly-wheel, it indicates that the crank shaft and piston are on "centre", that is, that two of pistons are at their highest points and the other two at their lowest points.

The positions of the above mentioned letters on the flywheel, are clearly indicative of the correct timing of the valves. There being four cylinders, the inlet and exhaust valves must be timed on each separately. As valves are all timed before the car leaves the factory, these instructions will be found adequate for such slight adjustments as may possibly from time to time be advisable.

For example: Take the forward cylinder. Turn the fly-wheel until the inlet valve begins to open. If it is correctly timed, the letters "I O" stamped on the fly-wheel will be exactly at the top. If not, the valve should be timed so that it

will begin to open when the letters are at the point mentioned. Now, turn the fly-wheel in the direction that motor regularly runs, a little more than half a revolution, when the letters "I C" will appear at or close to the top. The inlet valve should be so timed that it will have entirely closed when the letters "I C" are at the top. Now take the Exhaust Valve. This should be so timed that it will begin to open just as an "E O" has reached the top of the fly-wheel and should be entirely closed just as "E C" on the opposite side has reached the top.

The adjustments of the inlet and exhaust valves are made by lengthening or shortening the valve lifting rods by means of the adjusting collars on the lower ends of same.

When the cam shaft gear and crank shaft gear have been disengaged for any purpose, it will be necessary, when reassembling them, to see that the tooth which is stamped "O" on one gear, enters the space (between the teeth) which is stamped "O" on the other gear.

# ADJUSTMENT OF STEERING GEAR.

When it becomes necessary to adjust the steering gear to take up any slight wear that may occur, take out the plug with a wrench from front of steering gear case and tighten the screw. This forces the jaws apart at that end, but it clamps the opposite ends more closely together and takes up the "play."

To take up any end play in the steering staff, first loosen the clamp bolt which holds upper part of steering gear casing, then turn the large plug which is just at the top of the steering gear housing at the point where the steering staff enters the latter. The plug is provided with a hexagon head, so that it may be adjusted with an ordinary wrench.

## ADJUSTMENT OF CARBURETOR.

Carburetors are adjusted on cars before leaving our factory and ordinarily should not require re-adjusting very soon, unless, perhaps to meet different atmospheric conditions, such as change of altitude or temperature. When adjustments are necessary, proceed as follows:

Start the motor as usual, then place the governor controlling (throttle) lever (the long one at the steering wheel) in its extreme forward position and the spark lever on the centre (indicated on sector by "C"). When the levers are placed as just stated the motor should run slowly, but the speed may be increased or decreased by the adjustment of the stop screw (19) which regulates the opening of the butterfly valve (B) through which the gasoline vapor passes from the carburetor to the combustion chambers. To increase the valve opening, turn the screw (19) to the right; to decrease the opening, turn screw (19) to the left. The object of the stop screw (19) is to regulate the opening of the butterfly valve (B) which admits the gasoline vapor into the combustion chambers, so that it will not close entirely; the limit of its closing being determined by the adjustment of stop screw (19) as above explained. After setting the stop screw (19), lock it with the nut (20). Now regulate the gasoline supply to the carburetor by means of the needle valve handle (22) until the correct mixture is obtained, that is until the motor runs uniformally and best with the throttle lever, spark lever and set screw (19) placed as above indicated.

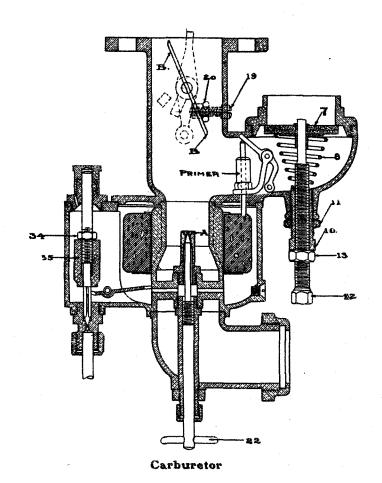
When the correct adjustments for low speed work have been determined, then adjust for high speed. To do this, leave the spark lever on centre, "C," as before and the governor controlling (throttle) lever in its extreme forward position. Then

hold the butterfly valve wide open either by holding down the accelerator pedal or by the rod which extends from said pedal to the butterfly valve. Now loosen the hex nut (13) and adjust the high speed stop screw (12) until the action of the auxiliary air valve (7) produces the most uniform and highest speed. Then set hex nut (13) up against (10) which secures the adjustment.

In making above adjustments be sure to have spark lever on centre "C." This is important, because with the spark lever in centre position, the speed of the motor when the car is standing, will be approximately what it would be when the car is running at a high speed with the spark advanced.

With adjustments made for low and high speeds, next consider intermediate speeds. Between low and high speeds, the action of the auxiliary air valve spring (8) (when properly adjusted) governs the quantity of air supplied. For example, set the governor controlling (throttle) lever at the further backward point on the sector, and with the motor running at this intermediate speed, observe as follows: If the tension of air valve spring (8) is too weak, it admits too much air, giving a weak mixture causing the motor to "miss fire." To correct this, loosen hex nut (13) and jamb nut (11), being careful to hold (12) from turning, and turn the spring adjusting screw (10) to the right or upward until resistance is sufficient to prevent too much air entering and until the best results are obtained. Then be sure to set jamb nut (11) up tight and hex nut (13) up against (10) thus locking adjustment.

If the tension of air valve spring (8) is too strong, the motor will not take enough air, this will cause too rich a mixture of gasoline vapor, making the motor drag or become sluggish and the exhaust will emit black smoke. This condition may be readily determined by pressing down on the



leather air valve (7). If by doing this, the motor speed increases, it indicates that tension of spring (8) is too strong. To correct this, loosen the hex nut (13) and jamb nut (11), being careful to hold (12) from turning and turn spring adjusting screw (10) to the left or downward, backing it out until tension is relieved sufficiently to admti the correct amount of air to give uniform and highest speed with the throttle and spark levers in position mentioned. Then be sure to set jamb nut (11) up tight and the hex nut (13) up against (10), which locks the adjustment.

It is important to bear in mind that when turning spring adjusting screw (10) that high speed stop adjusting screw (12) be held from turning, otherwise the adjustment for high speed, originally made, will be lost.

If, for any reason, it has been necessary to remove the carburetor from the motor or take it apart; in replacing it, carefully examine all connections, then turn on the gasoline from the main storage tank, close the needle valve entirely by means of the valve handle (22) then open it about 1½ to 1¾ turns, and proceed to adjust according to above instructions.

An adjustment (34) has been provided for the needle valve, which admits the gasoline into the float chamber. The weight (35) on this valve should be so adjusted that the gasoline level will be maintained in the float chamber at a point so that the gasoline will not run out of the spraying nozzle. The best action will be obtained when the chamfered portion in the top spraying nozzle is about half filled with gasoline as shown by dotted lines at (A). This adjustment will not have to be altered excepting when the needle point or needle seat becomes badly worn.

## THE GOVERNOR.

The purpose of the governor is to automatically regulate and maintain practically a steady speed of the motor and of the car without its being necessary for the driver to be constantly altering the position of a throttle lever to meet varying road conditions.

To illustrate: Suppose a car is running at say twenty miles per hour. Upon encountering a grade, the tendency of the motor would be to slow down somewhat owing to the increased power necessary to ascend the grade. But as soon as the speed of the motor commences to decrease, the governor ring will not revolve so rapidly, consequently there is less centrifugal force to hold it up, and it begins to assume an oblique or slanting position. But in so doing, it automatically opens the throttle further, thereby giving the motor a heavier charge and more power with which to accomplish the extra labor required. This same principle applies when striking a bad piece of road, sand or mud.

Again—Suppose the car starts descending a grade; the burden on the motor being removed, the tendency would naturally be for the speed to increase, but as soon as this commences, it causes the ring to move toward the horizontal position and consequently partly closes the throttle, decreasing the charge, which of course, decreases the speed of the motor. The same illustration will apply in cases where the main clutch is suddenly disconnected. Ordinarily this would allow a motor to "race", but the governor automatically throttles it down at once.

The governor controlling (throttle) lever (the long one at the steering wheel) does not act directly on the throttle of the carburetor, but acts on the governor by increasing or decreasing the tension of the spiral spring which offers the resistance to the tendency of the revolving governor ring to assure a horizontal position, and this in turn acts on the throttle of the carburetor.

Pulling the governor controlling lever toward you, increases the tension on the spiral spring in the governor, causing the latter to open the throttle. Pushing the lever from you, decreases the tension on the spring and this causes the governor to close the throttle.

The governor controlling lever may be set at any desired point on its sector and the speed of the car thereby produced will be practically maintained.

In case of emergency when it is desired to obtain an instant increase in speed, it can be accomplished by pressing with the foot on the accelerator pedal in the floor of the car. This opens the throttle instantly, without touching the governor controlling lever, but immediately upon releasing the accelerator pedal, the car settles back to the speed at which the lever is set.

Governors are set at the factory, so that by drawing the governor controlling lever as far back (toward the driver) as possible that the car will, presuming that everything else is working properly, attain a rate of speed of about 20 to 25 miles per hour. If greater speed is desired, it is accomplished by use of the accelerator pedal.

#### AXLES

The rear axle housing should always contain enough oil so that the large bevel gear will dip into it. To place the oil therein, remove the plug from the spherical part of the housing. The first filling will require about one quart of oil. It is also advisable not to use too much. To prevent this another plug is provided on the underside of the sphere. When placing the oil in the housing, remove the plug from the underside of the sphere so that any excess will run out. The quantity of oil should be maintained on a level with the under plug.

#### TO REMOVE REAR WHEEL.

Remove hub cap with spanner wrench, take out cotter pin and unscrew end nut. Remove rear wheel with wheel puller. If necessary to remove the Hess-Bright bearings from the wheel, take out screws which hold the dust shield and unscrew the latter which is screwed in with a right hand thread.

## TO REMOVE REAR AXLE FROM CAR.

First, jack up the car, uncouple brake connecting rods and detach strut rod at its forward end. Detach rear universal joint and remove yoke, collar and dust cap from the drive shaft. Remove clips which hold springs to perches on axle. The latter may then be taken from under the car.

# TO ADJUST GEAR MOUNT BEARINGS.

It will be noted that the housing is spherical in the centre and extends on either side nearly to the end of the axle.

First—Back off the collars at each end of the housing with a spanner wrench, then take out the sixteen bolts which hold the two halves of the housing together and remove the top half. This affords access to the driving and differential gears. To adjust the bearings, first loosen each nut-lock and turn up the nuts which bear on the cones. These bearings should be neither too tight nor too loose but so adjusted that they will run freely and so that the large bevel gear will properly mesh with the driving pinion on the end of the drive shaft. After adjusting the bearings, be sure to again tighten the nut-locks.

If necessary to remove the inner or live axle, or half of it, take off the top half of the housing as above indicated. Loosen the nut-locks which hold the cones of the gear mount bearings. Then take out the eight bolts which hold the gear mounts together and drive out the pins which hold the gear mounts to the live axle and remove the keys. The live axle may then be taken out.

#### TO REMOVE FRONT WHEEL.

Remove hub cap with spanner wrench, take out cotter pin and remove nut from end of spindle. Wheel will then come off easily.

If necessary to remove the inside Hess-Bright bearings, take out the screws which hold the dust cap and unscrew the latter, which is screwed in with a right hand thread.

# ADJUSTMENT OF TRANSMISSION BRAKE BANDS.

The transmission brake bands should be so adjusted that they will grip properly when brought into action but at the same time should be just loose enough so that they will be free when released. Access to the adjusting parts may be obtained by opening the door in the sheet metal dust shield, just beneath the frame of the car.

#### COMMON SOURCES OF TROUBLE.

Inadequate lubrication.

Imperfect vibrator action. The vibrator can be seen by taking top off the coil box.

Dirty spark plugs.

Exhausted batteries.

Loose or broken wires.

Tight bands or any imperfect adjustment.

Dirty gasoline.

Water in the gasoline.

Frozen circulating water.

Lack of circulation of water.

Charred or sticky valve stems.

Common sources of troubles do not include accidents, and such things as may be occasional or accidental troubles.

Of these, the first, inadequate lubrication, is by far the most detrimental, as it may ruin all of the most important wearing surfaces of the motor, as well as cause serious damage to other parts of the car.

#### "A FEW DON'TS."

Don't try to start without the switch turned on.

Don't try to start without seeing that the spark lever is in dead centre position.

Don't try to run without oil, water and gasoline.

Don't crank a motor, that is, don't turn it over the compres-

sion more than three or four times after priming. If it does not start at once there is something wrong.

Don't drive fast nor attempt to stop quickly on a wet, slippery road or pavement.

Don't drive fast around corners; it is dangerous and destructive especially to tires.

Don't allow an automobile to stand in cold weather with pure water in the circulating system. It will freeze and burst something. In cold weather use some good anti-freezing solution.

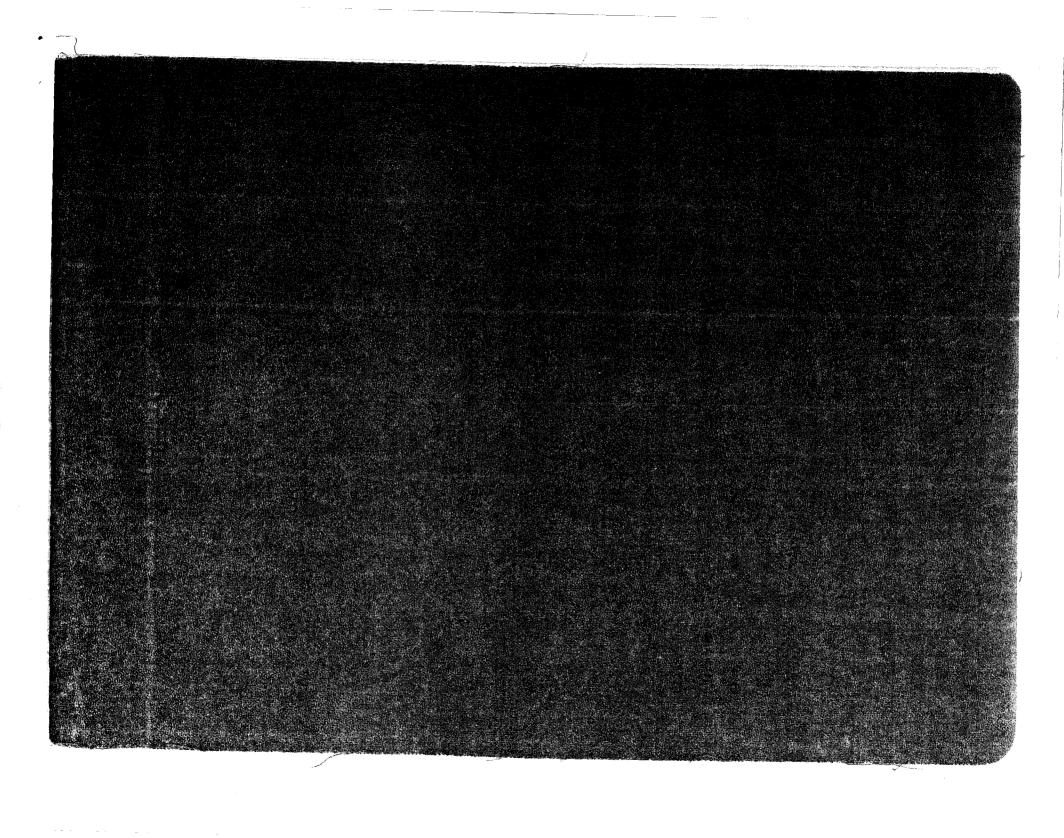
Don't run a motor fast when the automobile is standing still; there is no worse abuse.

Don't advance spark lever too fast or too far (crank shafts can be broken by injudicious use of spark advance).

#### REPAIRS.

In the event of claims or the necessity for repairing on such parts as TIRES, SPARK COILS, BATTERIES OR RADIATORS, do not send these to us. It only incurs extra expense because we would be obliged to re-ship them to the factories. In all such cases correspondence should be opened direct with the makers of the parts and if necessary the same should be sent direct to said makers or their branches, transportation prepaid.

The names and addresses of makers will be found on these respective parts, excepting radiators. The latter are made by the Whitlock Coil Pipe Co., of Hartford, Conn.



# CADILLAC



1906-1907-1908

# PRICE LIST OF PARTS

MODELS

# K-M-S-T

Including Engine Parts for Models A, B, C, E, F, K, M, S and T

This Price List is in effect on and after June 1, 1914, and supersedes all previous quotations.

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

# Cadillac Motor Car Co.

Detroit, Michigan, U. S. A.

# Table of Contents.

•	
INSTRUCTIONS FOR ORDERING.	3
ENGINE	4
Cylinder	5-6
Water Jacket	6
Valve Chamber	6
Mixer or Carburetor	6-7
Commutator	7-8
Crank Shaft and Fly Wheel	- 8
Piston and Connecting Rod	8-9
Transmission	9
High Speed Clutch Parts	. 10
Grease Cups	10
Chain	10
FRAME	
Steps	
Fender Irons	12-13
Spring Shackles	
RADIUS RODS	13
SPRINGS	
GASOLINE SYSTEM	14
LUBRICATING SYSTEM	
Lubricators Lubricator/Pipes	15 15
WATER CIRCULATING SYSTEM	16
Radiator	
Water Tank	
Pump	17
Water Circulating Pipes	18
MUFFLER	18
FLECTRICAL SYSTEM	19
Spark Coil Wires	19
Wires	19
SPARK AND THROTTLE CONTROL	19
STEERING CONNECTIONS	20
BRAKE	21
SLOW SPEED CONTROL	22
REVERSE CONTROL	22
HIGH SPEED CONTROL	23
AXLES— Instructions for Ordering Axle Parts	23
Front Axle	25 24
Rear Axle	25
TITTED O	
Front Wheel	25
Rear Wheel	26
BODIES-	
Dash and Hood	26
Floors	
Body Brackets	27
Body Parts	27-28 29
Floor Mats Deck Parts	29 29
FENDERS RUNNING BOARDS	30
TOP AND BODY IRONS	31
TOOL KIT	
TOOP III	, J.

# We will not be responsible for Errors in filling Orders if these Instructions are not followed.

To facilitate the prompt and correct handling of orders for parts, it is essential that these instructions be carefully followed.

In order that parts may be the more readily located, this list is arranged by general groups, as, for instance, the engine group, the rear axle group, the frame group, etc., and under the headings of these groups will be found listed all the parts that compose them.

Parts designated as right or left are those that are on the right or left hand

side as you sit in the machine.

Parts must be ordered by the number and by the name as given herein, and the model of the car and the motor number must also be stated. The motor number will be found stamped on the crank case.

If in doubt as to the correct name of the parts wanted, send a sketch of them and give their dimensions, or, better still, send us the broken parts, charges prepaid, with your order for the new parts. If this is done, be sure to write your name and address plainly on the package, and to tag each part so returned with your name and address and the motor number of the car from which the part is taken. Be sure to write us at the time you send the package, stating what you are sending and whether sent by freight, express or mail. This must be done regardless of any previous correspondence had with the Company.

Do not order cars and parts in the same letter. Make a separate order for each, because the orders go to separate departments. Do not write anything on the order-sheet unless it refers directly to that particular order. Write about other subjects on a separate sheet so that it will go directly to the proper department.

#### TERMS NET CASH WITH ORDERS F. O. B. DETROIT.

The prices in this list are strictly net, and no discount is allowed to others than our authorized dealers. Cash must accompany all orders for parts, and unless it is sent with the order, we shall be obliged to hold the shipment for remittance. We do not send parts C. O. D., and orders for parts to be sent by mail must be accompanied by a sufficient amount to cover postage.

Parts claimed defective and for which free replacement is asked, must be sent to us for inspection within sixty days from the date of purchase, and a letter of advice must be sent at the same time, giving engine number, date of purchase, etc. Transportation charges must be prepaid or the shipment will not be accepted from the carrier.

TIRES, SPARK COILS AND BATTERIES. In case of defective con struction, claims for repair or replacement must be made, and the defective parts sent to the maker of the parts.

We do not list such minor parts as wood screws, washers, and cotter pins, for the reason that these can readily be obtained in any hardware store.

We list no part at less than five cents, for the reason that even though it may not be worth more than one or two cents, the cost to handle and fill such orders is several times the price of the part.

# CADILLAC MOTOR CAR CO., Detroit, Mich.

# ENGINE.

# Models A, B, C, E, F, K, M, S and T.

	The following engine parts apply to Models A, B, C, E, F,	
	K, M, S and T. In ordering you must give us the engine num-	
	ber which is stamped on engine frame.	
595	Engine complete, assembled\$	250.00
550	Engine frame with caps and bearings assembled	40.00
529	Engine frame with caps, cap screws and studs	32.00
500	Stud for attaching engine frame to front engine support	.10
501	Nut for stud for attaching engine frame to front engine sup-	
001	port	.05
502	Jam nut for stud for attaching engine frame to front engine	•
302	support	.05
503	Stud for attaching engine frame to rear engine support	.10
	Nut for stud for attaching engine frame to rear engine sup-	·πο
<b>504</b> .		.05
***	port	.00
505		.05
	to rear engine support	
L 79	Cylinder stud for engine frame 7/16x14 (eight)each	J .20
L407	Nut for engine frame cylinder stud 7/16x14 (eight)each	.05
L 33A	Main bearing cap, right, for engine frame	2.00
L 34A	Main bearing cap, left, for engine frame, flywheel side	2.00
L 83	Cap screw for engine frame main bearing cap 3/8-16 (four)	
	each	.10
506	Bronze elbow and oil tube for crank pin	.40
551	Main bearing bushing, right, with two liners, for engine frame	3.40
552	Main bearing bushing, left, with two liners, for engine trame	3.40
,	(These bearing bushings are supplied in pairs only with liners	
1. *	as above. Be sure to state whether for right or left side.)	100
L 36	Liner for engine frame main bearing bushing	.20
L204	Air valve for engine frame	.20
L 80	Top stud for engine frame 3/8-16 (two)each	.15
L406	Nut, small, for engine frame top-stud 3/8-16 (two)each	.05
L 76	Top stud for engine frame ½-12 (four)each	.15
L408	Nut, large, for engine frame top stud, ½-12 (four)each	.05
L412	Columbia lock nut for engine frame top stud	.05
	Weshen for angine frome top stud	.05
L419	Washer, for engine frame top stud Engine frame with caps, cap screws, and top cover plate with	
549	Engine traine with caps, cap screws, and top cover plate with	36.00
	hand hole cover Engine frame with caps, bearings and top cover plate assembled	
554	Top cover plate for engine frame with main bearing adjusting	44.00
555	Top cover plate for engine frame with main bearing adjusting	4.00
	screws and check nuts and hand hole cover assembled	4.00
<b>556</b>	Top cover plate for engine frame with main bearing adjusting	3.60
•	screws and check nuts	
L241	Gasket for engine frame top cover plate (two sections)	.05
L 89	Adjusting screw on top cover plate for adjusting main bearing	
	(two)each	.20
L411	Check nut for main bearing adjusting screw, \\ \frac{5}{8}'' \cdots \cdots \cdots	.05
L 30	Hand hole cover plate for engine frame top cover plate	40
L244	Gasket for engine frame top cover hand hole cover plate	.05
L 84	Can serew for engine frame top cover hand hole cover plate	
<b>~</b> ~ .	(two)each	.05
	(	

Order Parts by number and name in full and give number of motor. Read page 3 before ordering.

557 Engine frame with bearings, caps and bottom cover plate assembled	60.00
Esq. Finging frame with honrings cans ton and hottom cover plate	,
	64.00
	20.00
L 32 Bottom cover plate for engine frame including the three follow-	
ing items	6.00 .10
L 45 Cam shaft bushing, eccentric end, for engine frame bottom cover	.50
plate	.45
L 82 Cap screw for engine frame bottom cover plate (six)each L242 Gasket for engine frame bottom cover plate	.10 .10
L147 L 44A Exhaust cam shaft with commutator cam	.85
L426 3/4" drip cock for engine frame bottom cover plate, K and M	.30
4279 3/4" drip cock for engine frame bottom cover plate, S and T	.40
L146 Semi-circular key for engine exhaust cam shaft commutator	.15 .85
L 39 Exhaust cam for engine	1.75
560 Eccentric with cap and strap assembled for engine cam shaft (These parts are not furnished separately.)	5.00
L201 Cap screw 3/8-16, for engine cam shaft eccentric cap and strap	.10
1.406 Nut 3\" for engine cam shaft eccentric cap and strap cap screw	.05
. 561 Cam slide with roll and pin, assembled for engine exhaust	1.50
L 41 Slide for engine exhaust cam shaft roll	.85 .20
L 43 Screw for engine exhaust cam slide, K and M	.20
4213 Screw for exhaust cam slide, S and T	.05
L412 3/8" Columbia lock nut, for engine exhaust cam slide	.05
514 45° bronze elbow for engine cam shaft eccentric cap and strap	.20
512 Grease cup extension tube, for engine cam shaft eccentric	20
562 Eccentric with cap and strap and push rod assembled for engine	
cam shaft	6.00
L195 Inlet valve push rod for eccentric	1.00 .10
L197 Shim for eccentric push rod	.10
L196 Clip for eccentric push rod	.10
513 Bracket and cap screw for eccentric push rod grease cup	.20
CYLINDER.	
L 1 Cylinder (for Model A only)	8.00
L 1A Cylinder  Note—Cylinders were made of two kinds; one had cylinder	8.00
drain cock nearest valve chamber, while the water tacket was	
drained by a cock farthest away and nearer the clamping ring.	
drained by a cock farthest away and nearer the clamping ring. The other was made vice versa. The former was used on some of the Model "A" cars, while the latter was used in our later	
types	
Cylinder and water jacket assembled, comprising cylinder water jacket with drip flange water jacket clamping ring valve cham-	15.00
565 Cylinder, water jacket and valve chamber with exhaust valve	24.00
Be sure to put your name and motor number of	n ·

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

566	Cylinder, piston, connecting rod, water jacket, valve chamber and exhaust valve and mixer assembled	62.00
4278	1/4" drip cock for cylinder	.60
508	Trigger wire for cylinder drip cock	.10
L 86	Nipple for cylinder drip cock	.10
L 87	Nipple nut for cylinder drip cock	.10
L 26	Clamping ring for cylinder and water jacket	2.00
: :	WATER JACKET.	•
T 94A	Note—Water jackets always come with the flange for drain cock brazed on. There are two designs; one for each of the two style cylinders.  Water jacket with drip flange, for cylinder	3.50
L 24A 4279	1/4" drip cock for cylinder water jacket, S and T	.40
• • •	VALVE CHAMBER.	
L 98	Dowel pin for valve chamber	.10
L 18	Nipple for valve chamber, K and M	.85
R-4-18	Nipple for valve chamber, S and T	1.00
.*	Valve chamber complete with exhaust valve and bell crank as-	
	sembled	8.75
L 17A	Valve chamber (or combustion chamber) only	5.00
568	Exhaust valve for cylinder, assembled	1.40
569	Exhaust valve with stem for cylinder	.75 .45
L223	Foot for cylinder exhaust valve stem foot	.05
L225 _ L105	Spring for cylinder exhaust valve	.10
L 23	Bell crank for cylinder exhaust valve	
L 23 L 88	Pin for cylinder exhaust valve bell crank	.45
L125	Set screw for cylinder exhaust valve bell crank pin	.10
L125	Cotter pin for cylinder exhaust valve bell crank	.05
L106	Rod for cylinder exhaust valve.	.45
B600	Brass elbow for cylinder exhaust valve bell crank (for grease	
	cup)	.20
570	Double spark plug complete	2.20
L 19	Holder for double spark plug	.40
L 22	Clamp with set screw for double spark plug	.70 .10
L 85	Set screw for double spark plug clamp	.35
L 20 L433	Gland for double spark plug	.50
509	Holder for commercial spark plugs (for use with plugs other	.00
303	than ours)	.30
	MIXER OR CARBURETOR.	
581	Mixer complete	20.00
L166	Mixer body	6.00
4262	Air relief cock for mixer body, S and T	.50
L 78	Cap screw for mixer body (four)each	.05
582	Inlet valve complete for mixer	1.50
583	Inlet valve with stem for mixer	.80
L104	Spring for mixer inlet valve	.10
L 16	Foot for mixer inlet valve stem	.45
L 88	Pin for mixer inlet valve lever	.45

Order Parts by number and name in full and give number of motor.

Read page 3 before ordering.

		,
L102	Pin for mixer inlet valve stem	.10
L195	Eccentric push rod for mixer inlet valve	1.00
L197	Shim for mixer inlet valve eccentric strap	.10
L196	Clip for mixer inlet valve eccentric strap shim	.10
L202	Cap screw for mixer inlet valve eccentric push rod	.10
515	Bracket and cap screw for mixer inlet valve eccentric grease	
	cup	.20
584	Diaphragm valve complete for mixer	.50
L193	Mixer gauze	.20
L198	Priming rod for mixer	.10
L219	Coil spring for mixer priming rod	.05
L220	Pin for mixer priming rod coil spring	.05
- 585	Lifter with end and set screw for mixer priming rod	.25
586	End and set screw for mixer priming rod lifter	.15
516	Trigger for mixer priming rod lifter	.10
517	Clamp for mixer priming rod lifter trigger	.10
L168	Clamping nut, large, for mixer air intake tube	.30
530	Air intake tube with cap and clamping nut, for mixer, complete	1.50
L167	Mixer cover with diaphragm valve stem bushing	.80
L 77	Screw for mixer cover	.05
L184	Bushing for mixer cover	.10
L214	Shield for mixer cover	.20
L187	Adjusting spring, flat, for mixer.	.10
589	Adjusting screw with pin, for mixer adjusting spring	.15
L186		.25
L180	Binder for mixer adjusting spring adjusting screw	.20
L 77	Screw for mixer adjusting spring adjusting screw binder	.05
L173	Screw for attaching mixer adjusting spring	.20
	Roller, small, for mixer inlet valve lever	
L178	Pin and cotter pin, for mixer inlet lever roller	.20
L235	Lever for mixer inlet valve	1.25
L237	Roller, large, for mixer inlet valve lever	45
L412	Columbia lock nut, large, for mixer inlet valve lever roller	
L175	Throttle cam for mixer	.85
L176	Arm for mixer throttle cam	.80
L179	Screw for mixer throttle cam arm	.10
L174	Roll for mixer throttle cam arm	.30
L192	Washer for mixer throttle cam arm	.10
L412	Columbia lock nut for mixer throttle cam arm	.05
L189	Coil spring for mixer throttle cam arm.	.10
L188	Guide pin for mixer throttle cam arm	.10
L434	Adjusting screw for mixer throttle cam arm	.10
L435	Check nut for mixer throttle cam arm adjusting screw	.05
590	"T" and union for mixer feed pipe	.40
L200	Settling chamber or well for mixer T union	.20
, J. S. T.	COLORIDADO	
	COMMUTATOR.	
591	Commutator complete	2.50
L144	Commutator complete Body for commutator, B, C, E and F.	.75
L274	Body for commutator—K and M	.75
L146	Semi-circular key with cotter pin for commutator	.15
L150	Fibre support, lower, for commutator spring	.20
L151	Fibre clamping block, upper, for commutator wire	.15
L416	Screw for commutator wire clamping block 12-24-1" Filister	
	head	.05

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

•		
L145	Commutator flat spring	.05
L418	head  Nut for commutator flat spring clamping screw	.05 .05
L152	Adjusting block for commutator (fibre)	.15
L416	Screw for commutator adjusting block 12-24-1" Filister head	.05
L148	Guide pin for commutator spring	.05
520	Adjusting screw and nut for commutator flat spring	.10
521	Commutator rest (attached to engine frame)	.10
L147	Commutator cam or contact point	.25
L212	Brass shipt spring for commutator	.05
522	Coil spring, 14" long, for commutator and safety slide lever	.20
	CRANK SHAFT AND FLY WHEEL.	
	We do not sell a crank shaft without fly wheel attached for	
	the reason that it is impossible to press the fly wheel to the	at in grad
	crank shaft, as we desire it done, without the use of special	•
	machinery, such as we have.	100
	When a new crank shaft is required, it is necessary to send	
	us the old crank shaft with fly wheel and other fixed parts	
Sec. 15	attached, prepaid, properly identified, accompanied by a letter	11.1
	of advice, and we will send a new crank shaft with fly wheel	21
•	and other fixed parts. If your fly wheel is in perfect condition, we will allow for it with the other parts returned, a credit of	
	· · · · · · · · · · · · · · · · ·	
-00	\$10.00 list on the price of \$32.00.  Crank shaft and fly wheel assembled	32.00
563 L 38	Crank shaft valve gear	1.25
L 38	Pin for crank shaft valve gear	.10
L 95	Pin for crank shaft thrust washer	.05
L213	Oil ring for grank pin	.20
L101	Pin for crank pin oil ring	.05
L 91	Oil cup for crank pin	.10
	(Crank shaft counter balances are not sold separately.)	
L103	Key for crank shaft fly wheel	.10
L114A	Starting crank ratchet with set screws for crank shaft fly wheel	1.00
L228	Set screw for crank shaft fly wheel starting crank ratchet	.10
L 53	Driving gear for crank shaft	1.75
L 94	Pin for crank shaft driving gear	.10
L 96	Brass ring for crank shaft driving gear holder	.20
L 73	Key (No. 13 Woodruff) for crank shaft clutch sleeve (two)	.10
	each	2.00
507	Starting crank, K and MStarting crank, S and T	2.00
4240	그는 생님은 생물을 하는 것이 되었다. 하실 수 있다는 생각이 생각하는 것이 있는데 그런 사람들이 살아 없었다.	<b></b>
1.	PISTON AND CONNECTING ROD.	
592	Piston assembled	11.00
L2-3	Piston and three rings assembled	8.25
13W-0	(Pistons are not sold without rings.)	2
L 3	Piston ring (three)each	.75
L101	Pin for niston ring (three)each	.05
571 /	Piston pin and plug assembled	2.00
L217	Piston nin nitig	.50
L 7	Piston pin bushing	1.00
L 90	Oil tube for piston	.10
572	Piston and connecting rod complete with connecting rod as-	40.00
4	sembled, comprising parts above and those below	18.00
•	Order Parts by number and name in full	m og i
•	and give number of motor.	•.
		- A

573	Connecting rod assembled with piston end bushing, crank end bearings, oil tube, adjusting screw, Columbia lock nut, cap	
574	and dowel pins	8.00
T	ngs	6.00
L226	Pin for connecting rod cap	.10
L251	Adjusting screw for connecting rod cap	.40
L440	Columbia lock nut for connecting rod adjusting screw	.05
L 8	Bushing for connecting rod (crank end bearing)per pair	2.06
L240	Dowel pin for connecting rod bearing	.05
593	Transmission gear case complete, less high speed clutch parts	50.00
575	Transmission gear case with gasket, pins and gears	24.00
576	Transmission gear case with pins only	8.00
L 92	Pins for gear case, for long and short bushing gears. (six)	
_	(each)	,20
L 57	Bushing for transmission gear case	.75
L 51 ( L 51½)	Gear with long bushing for transmission	2.50
L 51½ L 52	Long bushing for transmission gear	.50
L 52½	Gear with short bushing for transmission	2.50
L 52½	Short bushing for transmission gear	.50
L222	Gasket for transmission gear case	.20
577	Transmission gear case cover complete	16.00
L248 L 48½	Transmission gear case cover only with bushing	3.60
L 77	Screw for transmission gear case cover (twelve)each	.05
L230A	Oil hole plug for transmission gear case cover	.10
L' 481/2	Bushing for transmission gear case cover	.85
L 49	Internal gear for transmission	8.00
L 93		
L.58	Driving sprocket, 9 tooth, with nine pins	2.06
	or	
L 58A ]		
L 93	Driving sprocket, 10 tooth, with nine pins	2.00
L 93	Pins for driving sprockets (nine)each	.05
L 59	Thrust collar for main bearing	.76
L259	Thrust collar for main bearings (for use with 9 tooth sprocket	
•	only)	.70
L 60	Thrust washer for main bearing	.50
578	Friction drum assembled	10.00
L 50	Friction drum only	7.00
L 57	Gear case bushing	.75
L 54	Friction drum driven gear	1.75
L 56	Bushing for friction drum driven gear	.60
L 55	Bushing for transmission internal gear	.60
L 53	Driving gear for crank shaft	1.75
594	Friction disc complete	5.75
579	Friction disc with leathers and rivets	3.00
L 62	Leathers with rivets for friction discper set	1.20
L221	Reenforcing plate for friction disc	.50
L 64	Friction disc sleeve	1.60
L 71	Screw for friction disc (eight)per set	.25
L232	Release spring for friction disc	.10
L 68	Washer for friction disc release spring	.10
-		

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

`	HIGH SPEED CLUTCH PARTS	
4061	High speed clutch ring (two used)each	1.00
L282	High speed clutch hall race	1.00
<b>367</b> 3	Balls for high speed clutch ring (per set of 30)	.60
580	High speed clutch adjusting nut complete	1.25
	Comprising the three following parts:	
L 67A	Adjusting nut only for high speed clutch, Models B, C, E and	
	F	1.00.
	or	
L265	Adjusting nut for high speed clutch, K, M, S and T	1.00
L 72	Set screw with check nut for high speed clutch adjusting nut.	.15
L128	Pins for high speed clutch adjusting nut (which drive pump	
	paddle)each	.05
L 66	Washer for high speed clutch, for use with old rings	.30
		•
·	GREASE CUPS	
B254	Grease cup complete	.35
523	Grease cup cap	.15
512	Extension tube for grease cup (as used on eccentric push rod)	.20
513	Bracket and cap screw for grease cup extension	.20
514	459 bronze elbow for grease cup extension	.20
	WHITNEY CHAIN AND PARTS	
540	Chain complete, K and M	7.50
4284	Chain complete. S and T	8.00
541	Chain center block assembled	.12
542	Chain side link, plain	.03
543	Chain rivet	.02
544	Chain master link	.14
	Cotter pins for chain (per 100)	.50
	NOTE:—We do not guarantee chains or chain parts, nor do	anie.
	we repair or exchange broken parts gratis. In case of breakage	1.5
	or repairs, the matter must be taken up with the manufacturers,	: " <u>.</u> !
	viz.: Whitney Manufacturing Company, Hartford, Conn.	
	Prices on chains are subject to change without notice, being	
	governed by the chain manufacturers, and not by us.	
·	FRAME.	
•		
100	Frame complete less springs and radius rods, but including	
	all parts riveted to it (1906), K and M	80.00
	Frame complete less springs and radius rods, but including	
	all parts riveted to it (1907), K and M	80.00
i.	Frame complete, same as above, Model "S"	80.00
٠.	all parts riveted to it (1907), K and M.  Frame complete, same as above, Model "S".  Frame complete, same as above, Model "T".	80.00
B1904	Side bar for frame, right, 1906, K and M Side bar for frame, left, 1906, K and M	8.00
B1093	Side bar for frame, left, 1906, K and M	8.00
4046		~ 8.00
4045	Side bar for frame, left, 1907, K and M Side bar for frame, left, 1907, K and M Side bar for frame, right, Model "S" Side bar for frame, left, Model "S" Side bar for frame, right, Model "T" Side bar for frame, left, Model "T"	8,00 8,00
4712	Side bar for frame, right, Model 5	8.00
4711	Side bar for frame, left, Model "5"	8.00
4316	Side par for frame, right, Model 1	8.00
4317	Side par for frame, left, Model 1	.20
B 154	Permitabon of trank hole plate for tell frame side	.05
B 436	Cap screw for frame side escutcheon	
B1091	Bearing for starting crank, on left side frame	3.60
B 6	Cross member of frame for steering bracket, K and M	3.60
4309	Cross member of frame for steering bracket, S and T	0.00
	Order Parts by number and name in full	
	and give number of motor.	
•	Read page 3 before ordering.	
	viene habe a merora armeness.	

4306	Brackets for brake shaft right or left on steering bracket cross	**
	member, S and T	.45
B 5	Rear cross brace for frame, K and M	4.00
4318	Rear cross brace for frame, S and T	4.00
B1092	Support for radiator	.30
B 939	Cross member of frame for radiator support	1.25
B 940	Cross member of frame for water tank support, K and M	1.50
B 937	Support for water tank, right	.75
B 938	Support for water tank, left	.75
4296	Support for water tank, right, S and T	.75
4295	Support for water tank, left, S and T	.75
B 65	Bracket for buffer block, on frame side	.50
B 490	Buffer block for frame side	.10
B 449	Rear outrigger or spring hanger for frame, right, with stud,	
<b>T</b>	nut, washer, cotter pins and rivets, K and M	2.00
B 450	Rear outrigger or spring hanger for frame, left, with stud,	
	nut, washer, cotter pins and rivets, K and M	2.00
4293	Rear outrigger or spring hanger for frame, right, S and T	2.00
4292	Rear outrigger or spring hanger for frame, left, S and T	2.00
B 453	Forward hanger and pivot bracket with pivot, stud, nut, washer,	
To	cotter pins and rivets for right rear spring, 1906 K and M	2.00
B 454	Forward hanger and pivot bracket with pivot, stud, nut, washer,	0.00
4000	cotter pins and rivets for left rear spring, 1906, K and M.	2.00
4070	Forward hanger and pivot bracket with pivot, stud, nut, washer,	a di la sa
in the second	cotter pins and rivets for right rear spring, 1907, K. M. S	9.00
1084	and T	2.00
4071	Forward hanger and pivot bracket with pivot, stud, nut, washer, cotter pins and rivets for left rear spring, 1907, K, M, S	
434	and T	2.00
B 143	Stud with nut, washer, cotter pins and rivets for frame rear	2.00
D 140 .	spring hanger	.15
	Nut for frame rear spring hanger stud	.05
B 57	Pivot for frame rear pivot bracket	.50
B 36	Hanger, right, for front spring	.50
B 37	Hanger, left, for front spring	.50
B1211	Pin for front spring hanger	.05
B 422	Reenforcement plate, right, for frame	.50
B 421	Reenforcement plate, left, for frame	.50
B 4	Frome support rear	12.00
B1162	Engine support, rear Engine support, front, only	4.00
	Engine support, front, complete with right and left pivot brack-	•
	ets and pivots, controller shaft brackets and controller shaft	
A. A.	with high speed lever arm, reverse lever arm and reverse	
	lever arm driver	9.00
B 447	Pivot bracket and pivot, right, front	1.20
B 448	Pivot bracket and nivot left front	1.20
	In ordering above pivot brackets, state whether the distance	
	from the top surface of the bracket to the center of the pivot	•
1	is 37% or 21% in. (The top of the bracket is the surface which	•
	is in contact with the engine support.)	
B 56	Pivot for frame front pivot bracket	.50
B1146	Brackets, right, for controller shaft	40
B1147	Bracket left for controller shaft	.40
B 106	Step, front, right or left K and M	1.25
B1103	Step, rear, upper or lett, Model "S," "M" and "1"	1.00
R۸	sume to put your name and motor number of	IEE

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

4496 4308 4720	Hanger for running board, Model "S"each Hanger for running board, Model "T"each Bracket for tail lamp	2.00 2.00 .50
	Steps.	
	- · · · · · · · · · · · · · · · · · · ·	
B 106	Step, front, right or left, Model "K" and "M"	1.25
B1103	Step. rear, upper right or left, Model "M" and "T"	1.00
B1164	Washer for upper rear step	.05
B 157	Clamp cap for upper rear step	.10
	Can screw for upper rear step clamp cap	.05
B1307	Step, rear, lower, right or left, Model "M"	1.25
B 635	Hanger for rear lower step	.80
D 000	Cap screw for rear lower step hanger	.05
	Fender Irons K and M.	
. ,	<b>1906</b>	•
B1157	Fender iron, front for front fender, right or left, forked	1.25
B1143	Fender iron, rear for front fender, right	.60
B1142	Fender iron, rear for front fender, left	.60
B1102	Fender iron, front for rear fender, right, forked	1.25
	Fender iron, front for rear fender, left, forked	1.25
B1101	Fender iron, rear for rear fender, right	.60
B1207	Fender iron, rear for rear fender, light	.60
B1158		
	Fender Irons K and M.	
4000	Fender iron, front for front fender, right, forked	1.25
4032	Fender iron, front for front fender, left, forked	1.25
4033	Fender iron, rear for front fender, right	.60
4031	Fender from rear for front fender, light	.60
4030	Fender iron, rear for front fender, left	1.25
4024	Fender iron, front for rear fender, right, forked	1.25
4025	Fender iron, front for rear fender, left, forked	.60
4023	Fender iron, rear for rear fender, right, Model K	.60
4022	Fender iron, rear for rear fender, left, Model K	.60
4021	Fender iron, rear for rear fender, right, Model M Fender iron, rear for rear fender, left, Model M	.60
4020	render from, rear for fear leituet, lett, wroder with	.00
•	Fender Irons Model "S"	A 15
4713	Fender iron, front, for front fender, right	1.25
4714	Fender iron, front, for front fender, left	1.25
4717	Fender iron, rear, for front fender, right	.60
4716	Fender iron, rear, for front fender, left	.60
4718	Fender iron, front, for rear fender, right	.60
4719	Fender iron, front, for rear fender, left	.60
4715	Fender iron, rear, for rear fender, right or left	.60
		4 1
	Fender Irons Model "T",	
4315	Fender iron, front for front fender, right	1.25
4314	Fender from front for front tender, left	1.25
4031	Fender iron, rear, for front fender, right	.60
4030	Fender iron, rear, for front fender, right	.60
4322	Fender iron, front, for rear fender, right	1.25
y 2000	Order Parts by number and name in full	~
		,
	and give number of motor.	
	Read page 3 before ordering.	
· ''	10	

	,	
4323	Fender iron, front, for rear fender, left	- 05
4021	Hender iron rear for room fonder wight	1.25
4020	Fender iron, rear, for rear fender, right	.60
4020	Fender iron, rear, for rear fender, left	.60
	Spring Shackles.	
4325	Spring shackle for rear end of rear spring, right or left, with	
	pins, S and T	.60
B1160	Spring shackle, for rear end of rear spring, long, right or left,	
	with oiler and pins	.60
B1667	Spring shackle, for front end of rear spring, short, right, with	
	oiler and pins	.60 /
B1668	· Spring shackle, for front end of rear spring, short, left, with	•
	oiler and pins	.60
B1208	Pin for short spring shackles	.10
B1210	Pin for long spring shackles	.10
B1661	Spring shackle, front	.60
B1209	Pin for front spring shackle	.10
B 461	Oiler for spring shackles	.10
B1227	Bolt for front spring shackle	.15
B1228	Nut for front spring shackle bolt	
B1211	Pin for shackle at rear end of rear spring, S and T	.10
*	Radius Rods.	
	When ordering rear radius rods, you must state exact length	
	of the tube. The standard length of the tube for 1906 was	
	15 inches—for 1907, 1534 inches, and for 1908 is 1834 inches.	
	Radius rod, front, right, complete with end cups, bolts, nuts,	
	and oiler. K and M	4.00
200	Radius rod, front, left, complete with end cups, bolts, nuts,	2.00
	and oiler, K and M.  Radius rod, front, left, complete with end cups, bolts, nuts, and oiler, K and M.	4.00
	Radius rod, front, right, complete with end cups, bolts, nuts, and oiler, S and T	
	and oiler, S and T	4.00
	Radius rod, front, left, complete with end cups, bolts, nuts.	
11.5	Radius rod, front, left, complete with end cups, bolts, nuts, and oiler, S and T	4.00
	Bolt and nut front radius rod	.05
No.	Oiler for front radius rod	.10
	Radius rod, rear, right or left, complete, 1906, K and M	4.00
	Tube for rear radius rod, 1906, K and M	1.00
	Radius rod, rear, right or left, complete, 1907, K and M	4.00
	Tube for rear radius rod, 1907, K and M	1.00
	Radius rod, rear, right or left, S and T	4.00
	Tube for rear radius rod, S and T	1.00
	Adjustable end complete, right hand thread, for rear radius rod	1.50
	Adjustable end complete, left hand thread, for rear radius rod	1.50
	Bolt and Columbia lock nut for rear radius rod adjustable end	.05
	Check nut, right hand thread for rear radius rod adjustable end Check nut, left hand thread for rear radius rod adjustable end	.05
		.05
	Springs.	<i>1</i>
• '	When ordering springs, be sure to state Model for which they	
	are wanted, also whether for right or left side, as they are not	,
	interchangeable.	
	Note:-Unless ordered, clips and nuts will not be sent with	
	springs. If clips and nuts are wanted PLEASE SO ORDER,	
B1073	Spring, front	3.50
	Bushing for front spring	.10
-		
Вe	sure to put your name and motor number o	n

Be sure to put your name and motor number on parts returned and PREPAY CHARGES. Read page 3 before ordering.

B 241	Plate for front spring	.15
4783	Plate for front spring	.30
B 242	Clip with nuts for front spring	.25
4734	7/16" Lock washer for spring clips	.05
B1353	Nut for front spring clip	.05
3980	Shim for front spring	.15
B1071	Spring, rear, right, Model "K"	3.00
B1072	Spring, rear, left, Model "K"	3.00
B1069	Spring, rear, left, Model "M"  Spring, rear, left, Model "M"  Spring, rear, left, Model "M"  Spring, rear, right, Model "S"	3.00 3.00
B1070	Spring, rear, left, Model M	3.00
4288	Spring, rear, right, Model "S"  Spring, rear, left, Model "S"  Spring, rear, right, Model "T"  Spring, rear, right, Model "T"	3.00
4289	Spring, rear, left, Model S	3.00
4290 4291	Spring, rear, left, Model "T"	3.00
B 241	Plate for rear spring	.15
B 640	Clin with nuts for rear spring	.25
4447	Clip with nuts for rear spring	.25
B1353	Nut for rear spring clip	.05
B 813	Shim for rear spring	.15
4734	7/16 lock washer for rear spring clips	.05
270-		_3 2-
	GASOLINE SYSTEM.	
	Gasoline tank, 1906, K and M	8.00
4073	Gasoline tank, 1907, K and M, or S and T	8.00
B1556	Sattling chamber for assoline tank	1.00
B1665	Settling chamber for gasoline tank	.05
B 977	Valve stem with handle for gasoline tank settling chamber	.40
B1240	Handle for pasoline tank settling chamber valve stem	.15
B 975	Stuffing nut for gasoline tank settling chamber valve stem	.10
B 971	Stuffing nut for gasoline tank settling chamber valve stem  Flange for gasoline tank hand hole	.05
B 972	Cover plate for gasoline tank	.15
4009	Wire gasket for gasoline tank cover plate	.05
4232	Screws for gasoline tank cover plate, per set of six	.10
B1296	Brass plug for gasoline tank cover plate	.15
B1323	Chain and ring for gasoline tank cover plate plug	.05
B1294	Auxiliary valve body for gasoline tank, 1906, K and M	.50
B1295	Stem for gasoline tank auxiliary valve, 1906, K and M	.10
B1240	Handle for gasoline tank auxiliary valve stem	.15
4054	Auxiliary valve body for gasoline tank, 1907, K and M, or S	.50
4050	and T	.10
4059 4060	Stuffing nut for gasoline tank auxiliary valve stem, 1907, K	.10
4000	and M or S and T	.10
4057	Spring for gasoline tank auxiliary valve stem, 1907, K and M	
100.	or S/and T	.05
4058	Collar for gasoline tank auxiliary valve stem, 1907, K and M	
	or S and T	.05
B 975	Stuffing nut for gasoline tank auxiliary valve stem, 1906, K.	
	and M	.10
B1665	Drain plug for gasoline tank auxiliary valve	.05
_	Nut for attaching gasoline tank to SUDDOIL	.05
B 629	Feed pipe for gasoline tank 15½" long	40 .40
736	Union for gasoline tank feed pipe	.40
590	Tee with union for gasoline tank feed pipe (on mixer)	.20
L 200	Well or settling chamber for gasoline tank feed pipe	.50
B 841	Support, right, for gasoline tank	.0.,
•	Order Parts by number and name in full	
	and give number of motor.	
	The give statement of secondaries	
	TO J/- O bakama amdamina	

842	Support, left, for gasoline tank	.50
31309	Foot for gasoline tank	.10
31310	Stud for gasoline tank foot	.10
	Columbia lock nut for gasoline tank foot stud	.05
2 470	Bolt and Columbia lock nut for gasoline tank support	.10
3 472 4068	Cross brace, long, for gasoline tank support, 1906, K and M Cross brace, long, for gasoline tank support, 1907, K and M	.10
4000	or S and T	.10
3 473	Cross brace, short, for gasoline tank support	.10
	Columbia lock nut for gasoline tank support cross brace	.05
	LUBRICATOR.	
g	McCord.	
•		
	When ordering lubricator parts, you must state the number	
¥ *	and letter of the lubricator for which part is wanted. The	
	number will be found stamped on the cover. The letter is on a small plate on the front of the lubricator body.	
	Lubricator complete, less pipes and connections	26.06
	Lubricator complete, less pipes and connections, cast fron body	20.00
	Body only for lubricator, cast iron	4.00
a pirali	Body only for lubricator, aluminum	10.00
÷ .	Cover only for lubricator	1.50
	Gauge glass for lubricator	.20 .60
'	Plug for lubricator filler	.35
	Glass for lubricator sight feed	.10
B1629	Clamp for attaching lubricator body to engine frame	.60
B1732	Sheave with cap screws for lubricator (on fly wheel hub)	.55
2	Sheave on lubricator.  Belt for driving lubricator, K and M	.60
B1749 4733	Belt for driving lubricator, S and M	.45 .45
1100	그 이 물이 되는 말 집안 가지 않는 것도 하는 것이 되는 것 같아요?	.10
	Oil Pipes and Connections.	
B1540	Oil pipe to crank pin 1234" long, with two special union nuts	.30
B1541	Oil pipe to cylinder 18" long with two special union nuts	.30
B1542	Oil pipe to main bearing, left 1134" long, with two special	
Dárao	union nuts Oil pipe to main bearing, right, 13½" long, with two special	.30
B1543	On tupe to main bearing, right, 13/2 long, with two special	.30
B1560	union nuts Special nipple for oil pipes (three) each	.10
	Oil tube and elbow for crank pin	.40
	LUBRICATOR.	*
	Lavigne.	
	Lavigne lubricator complete, less pipés	25.00
**	Body for Lavigne lubricator	10.00
	Cover for Lavigne lubricator	2.50
•	Pulley for lubricator on lubricator	1.00
	Drive shaft and worm for lubricator	1.50 1.00
	Packing nut for lubricator main worm shaft	.40
•	Secondary shaft and worm gear for lubricator	2.50
`	Screw bushing for lubricator secondary shaft	.35
D.		. 20
De	sure to put your name and motor number	JAR 1
	parts returned and PREPAY CHARGES.	

	Gauge glass for lubricator	10
	Washer for lubricator gauge glass	.05
	Screw plug for top of lubricator gauge glass	.15
	Valve stem for bottom of lubricator gauge glass	.40
•	Packing nut for lubricator gauge glass valve stem	.15
	Bleeder body for lubricator	1.25
•	Valve for lubricator bleeder body	.15
	Cap for lubricator bleeder valve	.10
1	Spring for lubricator bleeder valve	.05
	Center piece or valve body for lubricator bleeder	.20
• •	Lock nut for lubricator bleeder body	.15
	Packing nut for lubricator bleeder body	.15
, .	Oil pipe from bleeder body to pump body	:30
	Plunger for micrometer shell for lubricator	1.50
	Micrometer shell for lubricator plunger  Packing nut for four feed pump body or lubricator	1.00 .15
	Cross head for lubricator pump pistons	4.00
•.	Connection arm for cross head and drive shaft on lubricator	.60
	Cam shaft for cams and worm gear in lubricator	.30
•	Cam, right, for lubricator driving shaft	1.25
	Cam, left, for lubricator driving shaft	1.25
	Worm gear with cam for lubricator cam shaft	4.00
, .	Four feed pump body for lubricator	6.00
•	Rocker bar for lubricator four feed body and rolls	1.00
4 3 1	Roller for lubricator rocker bar	.10
	Pin for lubricator rocker bar roller	.10
	Arm for lubricator rocker bar	``.25
	Arm for lubricator rocker bar	1.50
4.	Spindle for lubricator taper valve	1.00
*	Spring for lubricator taper, valve	.05
	Bushing for lubricator taper valve spindle	.35
	Filler plug for lubricator	.40
	Strainer	.40
	Bleeder slide	.10
- 1 - 1 A		
	Oil Pipes and Connections.	3.3
4111	Oil pipe to crank pin 8" long with two special union nuts	.30
4110	Oil pipe to right main bearing 10" long with two special union	
	nuts	.30
4112	Oil gine to cylinder 143/" long with two special union nuts	.30
4109	Oil pipe to left main bearing 8½" long with two special union	
• .	nuts	.30
B1560	Nipple for oil pipe to cylinder	.10
4095	Nipple for oil pipe to right and left main bearings (two) each	.10
4090	Belt for driving lubricator	.45
B1732 }	Sheave with cap screws (on fly wheel)	.55
B1733 §		. '77
	WATER CIRCULATING SYSTEM.	
	Radiator.	
B 343	Radiator complete	20.00
B1763	Rence etrine for radiator	.20
	Tube with fins for radiator	1.25
B1765	Fins for radiator tubes	.05
	Order Parts by number and name in full	
	and give number of motor.	
	mora Boto ermorano an acceptant	

		•	
	B1764 4277	End bends for radiator tubes	.20 .30
	B1092	Support for radiator, right or left.  Bolt, nut and washer for radiator support.	.30 .05
		Water Tank.	,,,,
	***	Water tent complete with steal store over the and bread are	
		Water tank complete with steel strap supports and brass cap, 1906, K and M	3.00 .40
	B 780	Cap for water tank, 1906, K and M	.25
	4003	Water tank complete with steel trap supports and brass cap, 1907, K and M	, 3,00
	-	Water tank complete with steel strap supports and brass cap, S and T	3.00
	B1521	Steel strap support, right, for water tank with bolt and nut,	.40
	B1522	Steel strap support, left, for water tank with bolt and nut, K and M	.40
- 1	4299	Steel strap support, right, for water tank with bolt and nut, S and T.	.40
	4300	Steel strap support, left, for water tank with bolt and nut, S and T	.40
	4048	Bolt and nut for water tank support	.10 .25
		Pump.	
		Pump complete, 1907, K and M or S and T	6.00
	L 119A	Pump body (part that attaches to chassis)	1.60
	L 119½ 4040	Pump inside half complete, 1907, K and M or S and T Pump cover, 1907, K and M or S and T	4.00 1.00
	L 121A	Pump gasket	.08
	L 122A	Pump impeller with shaft, 1906, K and M	.80
	L 122A	Pump impeller with shaft, 1907, K and M or S and T	.80
	4044	Pump gland or brass stuffing nut, 1907, K and M or S and T	.45
	L 266 ] L 267 ]	Pump driver with spring	.60
-	L 267	Pump driver spring	.10
	4043 L 125	Pump driver set screw	.05 .10
	L 77	Pump screws (for holding the two sides together) 2 used	.05
•	L 436	Pump bolts and nuts for holding the two slides together, per	
	B 268	Pump screw head bolt and nut (for attaching pump to chassis)	.10
Ι.		Water Circulating Pipes and Connections.	
	848	Water outlet pipe with nipple for union tee (from radiator to	0.00
	B1125	Union tee)  Vent pipe with pet cock and union, K and M	2.00 1.00
		Vent pipe with union and pet cock, S and I	1.00
	_	Water pipe (from tank to pump), S and I	1.00
	B1131	Water inlet pipe with pet cock	2.50 .20
,		sure to put your name and motor number o	
	De	parts returned and PREPAY CHARGES.	<b>***</b>
		paris retained and therms CHANGES.	

B1133	Nipple in valve chamber for water circulation	.30
B1716	Elbow for water tank	.20
4101	70° elbow for water tank	.20
B1132	Union elbow for water pipe	.20
B 781	½" pet cock for water pipes	.15
B1136	Tee for water pipe	.40
4311	Tee for water pipe	.40
B1137	Union nut for water pipe.	.10
B1133	Nipple for water circulating pipes	.10
B1533	Support, front, on side bar, for water outlet pipe	.10
Daror	Bolt and nut for water outlet pipe support	.05
B1535	Support for water outlet pipe (on front of engine support)	.10
B1567	Support for water outlet pipe (on gasoline tank support, right)	.10
B1536 B1534	Support for water pipe (on steering bracket angle)  Hanger for water inlet pipe (on rear engine support)	.10
B133 <del>4</del> B1141	Support for primer	.15 .15
B1327	Support for primer.  Hose connection for water tank, 3½" long.  Hose connection for water tank, 8½" long	.08
B1326	Hose connection for water tank 85% long	.22
B1325	Hose connection for water tank, 153/4" long, K and M	.22
4326	Hose connection for water tank, S and T, 13¼" long	.35
B1328	Clamps for hose connectioneach	.15
22000		
	MUFFLER.	, 14 · · · · · · ·
	1007 K 4 M C 4 T	A
	1907 K and M, S and T.	
	Muffler assembled with ends and tie bolts, 1907, K and M	6.00
	Muffler assembled with ends and tie bolts, S and T	6.00
	Muffler complete with discharge pipe, relief valve hanger and	0.00
	roller voke	9.50
3188	roller yoke	1.00
4365	Muffler end front S and T	1.50
3187	Muffler end. rear. 1907. K and M	1.00
4366	Muffler end rear S and T	1.50
2759	Outside shell for muffler, 6½" in diameter, 1907, K and M	.60
4367		.60
2762	Inside shell No. 4 for muffler, 5½" in diameter.  Inside shell No. 3 for muffler, 4½" in diameter.  Inside shell No. 2 for muffler, 3½" in diameter.  Inside shell No. 1 muffler, 2" in diameter.	.50
2760	Inside shell No. 3 for muffler, 41/2" in diameter	.40
2763	Inside shell No. 2 for muffler, 31/2" in diameter	.30
2761	miside shell two. I munici, & in diameter	.20
4126	Tie bolt for muffler (three) each	.20
Danas	Nut for muffler tie bolt	.05
B1166	Elbow for muffler exhaust connection pipe (on valve chamber)  Pipe from valve chamber to muffler with two flanges	.40
4149 Dance		1.00 .20
B1167 B1662	Flange for muffler exhaust connection pipe	.20
4171	Exhaust nipple for front end of muffler	.10
4147	Hanger, front for muffler, on exhaust tube	.15
4210	Bolt and nut for exhaust tube hanger	.05
4169	Tube for muffler exhaust nozzle	1.00
4170	Clamp for muffler discharge pipe	.30
4227	Bolt and nut for clamp	.05
4127	Strap hanger for muffler exhaust pipe	.15
	Bolt and nut for strap hanger	.05
4148	Hanger, rear, for muffler	.10
	Bolt and nut for rear muffler hanger	.05
	Relief valve for muffler, assembled	1.00
	Onder Bosto he number and name in full	
	Order Parts by number and name in full	

Order			number				full
,	and	give	number	r of 1	motor.		
	Read	page	3 befor	re or	dering	<b>5.</b>	

-		-
4143	Body for muffler relief valve	.60
4146	Lever for muffler relief valve	.15
4144	Valve for muffler relief body	.20
4145	Spring for muffler relief valve	.10
4140	Yoke, roller and pin for muffler assembled	.25
4.4	Yoke, roller and pin for mumer assembled	.30
-	Foot treadle complete for muffler relief	.15
B 129	Treadle for muffler relief	
B1546	Block only for relief foot treadle	.10
·	Wire for muffler relief	.05
B1628	Flange on muffler	.30
B1112	Body for muffler relief valve	.50
L1533	Outside flange for muffler	.30
•		
	ELECTRICAL OR SPARKING SYSTEM.	
- '		
	Spark Coil.	
1,14	Spark coil complete with cutout switch	44.00
	Spark coil complete with cutout switch	14.00
	HOY TOT SDATK COUL	2.00
	Cover for spark coil box	.75
	Hook for spark coil box cover	.05
	Ratchet rontact screw with platinum point	1.25
	Contact spring with platinum point	1.00
	Rogert hammer	.25
100	Stop screw for hogert hammer	.10
1000年16日	Base for contact screw	.50
	Base for contact spring	.50
	Insulation cap for secondary terminals	.25
1 Sec. 1	Knurled flat nut	
	Knurled top nut	.10
4 4 5 2 2 4	Knurled top nut	
1574	Battery box	1.50
1575	Cover for battery box	.40
	Hook for battery box	.10
	Switch plug	.25
	Wires. \	
Dage	Commutator wire	.40
B1671	Commutator wife	.30
B1670	Switch wire with terminals	.25
B1672	Circuit wire with terminals from con to cyr. (8)	
B1669	Reach wire with terminals	2.00
B 273	Terminal for reach wire	.05
B1583	Cleat for reach wires	.10
B1582	Rinder clamp for reach wire cleat	.10
	Bolt and nut for reach wire clamp	.05
B1701	Support for reach wires	.20
	Connecting wires for batteries, each	.05
30 Sec. 18		•
	Spark and Throttle Control.	· .
	Spark rod with lever, 1906, K and M	1.00
	Spark rod with lever, 1907, K and M	1.20
	Spark rod with lever, S and T	1.20
4437	Spark rod only, S and T	.40
B1170	Spark rod only, K and M	.40
B1305	Lever for spark rod, 1906, K and M	.60
B1771	Spark rod only, K and M	.60
Be	sure to put your name and motor number of	n

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

	and give number of motor.  Read page 3 before ordering.	•
٠.	Order Parts by number and name in full	.~0
. 20U	Bronze bushing for steering arm	.20
L 133 L 280	Steering staff with pinion assembled	5.00
B1239	Key for steering wheel	.10
B1553	Screws for steering wheel, per set of four	.10 15
B 459	Rim for steering wheel	1.75
B1259	Spider for steering wheel, S and T	2.50
B1259	Spider for steering wheel, K and M	2.50
エルジエ	Steering wheel complete	2.00 4.50
B1172 4294	Segment for steering staff casing, S and T.  Flange for steering staff casing, K and M.  Flange for steering staff casing, S and T	2.00
4319	Segment for steering staff casing, S and T	1.50
B1772	Segment for steering staff casing 1907. K and M	2.00
B1306	Segment for steering staff casing, 1906, K and M	1.50
4297	Tube only for steering staff, K and M	1.25 1.25
L 239	levers. S and T	8.00
7	Steering stail casing complete, including spark and throttle rod	0.00
	Steering staff casing complete, including spark and throttle rod levers, 1907, K and M.	8.00
	· levers, 1906, K and M	7.00
•	Steering staff casing complete, including spark and throttle rod	
	Steering Connections.	
B1150	Commutator hook	.10
ſ,	Screw for throttle reach rod support	.05
B1203	Support for throttle reach rod	7.15 15
B 196 4439	Reach rod for throttle, K and M	.15
D 100	Screw for throttle tube arm	.05
B1169	Inrottle tube only	.40
4441	Arm at lower end of throttle tube, S and T	.40 .40
B1774 B1539	Spring for throttle lever dog, 1907, K and M or S and T Arm for throttle tube (lower end), K and M	.05
B1773	Dog for throttle lever, 1907, K and M or S and T	.10
B1770	Lever for throttle tube, 1907, K and M or S and T  Dog for throttle lever, 1907, K and M or S and T	.60
B1304	Throttle tube with lever, S and T.  Lever for throttle tube, 1906, K and M.	.60
1	Throttle tube with lever, 1907, K and M	1.20 1.20
	Throttle tube with lever, 1906, K and M	1.00
B1145	Bracket for spark advance shaft	.20.
B1149	Pin and cotter for spark advance safety slide	.05
B 96	Safety slide for spark advance	.15 .05
B1152	Screw for spark advance safety lever	.05
B1116	Safety lever for spark advance shaft	.40
B1148	Shaft for spark advance	.45
4438	Pull rod for spark advance, S and T	.15
B1151	Set screw for spark rod arm	.05 .15
B1538	Arm for spark rod (lower end)	.30
4440	Spring for lower end of spark and throttle rods, S and T	.05
B1729	Spring for lower end of spark and throttle rods, K and M	.05
B1773 B1774	Dog for spark lever, 1907, K and M or S and T	.10 .05
Dagge	Dan fan soon I to a soon I 1 1 I C 1 I D	

L 133	Steering staff with pinion assembled, S and T	5.00
4298 \$	Key for steering staff pinion	.10
L 134	Steering rack	2.00
L 129A	Bracket casting for steering rack	2.50
4079	Brace for steering staff, 1907, K and M	.40
L 136A L 131A	Shield for steering rack	1.00 1.50
L 131A	Lock nut for steering rack bushing, S and T	.25
L 130 .	Cap plate for steering staff pinion case. S and T	.20
<i>5.</i>	Stud for steering staff pinion case plate	.05
	Columbia lock nut for steering staff pinion case cap plate stud.	.05
	Steering rod with single joint and universal joint, 1906, K and	2.75
	M	2.10
	S and T	2.75
)	Steering rod with yokes only, 1906, K and M	1.25
	Steering rod with yokes only, 1907, K and M or S and T	1.25
	Single joint with pin and cotter pin for steering rod, 1906, K	.60
	and M	.00
	and M or S and T	.60
1.2	Pin and cotter pin for steering rod single joint, 1906, K and M.	05
•	Pin and cotter pin for steering rod single joint, 1907, K and M	
*	or S and T	.05
	K and M	.80
	Universal joint with pin and cotter pin for steering rod, 1907,	
	K and M or S and T	.80
1	Pin and cotter pin for steering rod universal joint, 1906, K	OF
	and MPin and cotter pin for steering rod universal joint, 1907, K	.05
1	and M or S and T	.05
a second	Check nut for steering rod universal joint	.05
	The Branch of the Control of the Con	· .
	Brake.	
	Brake foot lever and pawl assembled	1.25
B 47	Foot lever only for brake	80
B1077	Pawl for brake foot lever	.25 .05
B1702	Spring for brake foot lever pawl	.10
21,00	Ratchet for brake foot lever pawl	.40
	Brake shaft complete with brackets, bolts and nuts, foot lever	
T) 00"	and pawl, slow speed foot lever and cable armi	4.00
B 305 B 46	Brake shaft only	1.00 .40
B 63	Bracket, right or left, for brake shaft, K and M	.35
4306	Bracket, right or left, for brake shaft, S and T	.45
•.	Bolt and nut for brake shaft bracket	.05
B1625	Brake cable, K and M.4	.40
4285	Brake cable extension complete	.40 1.00
B1079	Turnbuckle for brake cable extension	.20
	Nut for brake cable extension turnbuckle	.05
B <sub>,</sub> 13	Yoke for brake cable extension lever, L. H. thread	25
Re	sure to put your name and motor number o	n
20	name to put your name and motor number of	

parts returned and PREPAY CHARGES.

B 12 B 427 B1639 B 180 B1626	Yoke for brake cable extension roll, R. H. thread.  Pulley for brake cable extension.  Pin and cotter pin for brake cable extension pulley.  Clamp, for brake cable, complete.  Ball clamp for brake cable.  Shield for brake cable.	
4774	Thimble	•.1
	Slow Speed Control.	٠.
B1083 B 469	Foot lever for slow speed	.e
B1087 4301	connecting rod only with fixed yoke for slow speed, K and M Connecting rod only with fixed yoke for slow speed, S and T Nut for slow speed connecting rod adjustable yoke.	.9 .6 .6
B1088 B 532	Adjustable yoke with nut, pin and cotter pin for slow speed  Pin and cotter pin for slow speed connecting rod yoke  Fibres and rivets for slow speed transmission brake bands, per set of 15	.0
	the eight following parts	3.2
B 41 B 345 B 727	Lever for slow speed transmission brake bands	.3
B 182 B1089	lever shackle  Spring for slow speed brake band levers, S and T.  Holdback with pin and nuts for slow speed transmission brake band lever, S and T.  Nut for slow speed transmission brake lever holdback	.1 .5
4178 4179	Holdback with pin and nuts for slow speed transmission brake band lever, S and Te.  Holdback with pin and cotter pin for reverse transmission brake band lever, S and T.	.5
B 532	I in and could pin for slow speed transmission brake band lever	
B 93	holdback Support for slow speed transmission brake band Bolt and Columbia lock nut for slow speed transmission brake band	.0: .2:
	Long fibres and rivets for brake bands	.0
	Reverse Control.	
B 43 B 49 B 468	Reverse lever arm (on controller shaft)	.40
B1086	Connecting rod only with fixed yoke, pin and cotter pin for	.90
B1088	Adjustable yoke with nut, pin and cotter pin for reverse  Nut for reverse connecting rod adjustable yoke	.60 .25
	Order Parts by number and name in full and give number of motor.	
	Read page 3 before ordering.	

B 532	Pin and cotter pin for reverse connecting rod yoke Fibres and rivets for reverse transmission brake band, per set	.05
	of 15	.40
-	of 15	4
1	eight following parts	3.20
	Transmission brake band with fibres, rivets and ends for reverse	1.80
B 41	Lever for reverse transmission brake band	.35
B 345	Shackle for reverse transmission brake band lever	.10
B 727	Pin and cotter pin for reverse transmission brake band lever	.05
D+000	shackle	.05
B1089	band lever, K and M	.50
· · ·	Nut for reverse transmission brake band lever holdback	.05
B 532	Pin and cotter pin for reverse transmission brake band lever	
	'holdback	.05
B 93	Support for reverse transmission brake band	.20
	Bolt and Columbia lock nut for reverse transmission on brake	
	band support	.05
.*	Reverse band with lining	1.50
	High Speed Control.	
10 mg		٠
B1578	Control lever for high speed and reverse, Model "M," 1906	2.00
4155	Control lever for high speed and reverse, Model "M," 1907, and	
	T	2.00
B1081	Control lever for high speed and reverse, Model "K" and S	$2.00 \\ 2.25$
В 307	Controller shaft for high speed and reverse, complete  Controller shaft for high speed and reverse	1.00
B 42	High speed lever arm for controller shaft	.40
B 43	Reverse lever arm for controller shaft	40
B 49	Driver for reverse lever arm	.30
B 467	Connecting rod, for high speed clutch, complete with adjust-	
***	able voke, nut, pin and cotter pin	.50
B1085.	Connecting rod only, for high speed clutch	.25
B1088	Adjustable yoke with nut, pin and cotter pin for high speed	.25
	Nut for high speed clutch connecting rod yoke	.05
	Pin and cotter pin for high speed clutch connecting rod yoke	.05
B 90	Hook or holdback, for high speed clutch, with bolt, nut and	
J 00	catter pin	.25
	Bolt and nut for high speed clutch hook	.05
B1082	Stop spring for controller shaft speed lever arm	.25
B1146	Bearing, for controller shaft, right	.20
B1147	Bearing, for controller shaft, left	.20
4736	Releasing fork, for controller shaft	.60
	AVITO	

### AXLES. K, M, S and T.

### Read this Carefully Before Ordering.

We will sell complete axles and parts for same at the prices herein quoted. These cannot be purchased by you from the Axle Manufacturers.

When repairing is required which necessitates shipping the

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

entire axle, do not send same to us, ship to the American Ball Bearing Co., Cleveland, Ohio. Be sure to tag the axle with your name and address, prepay charges, and write them at the same time you ship. They will then make an estimate to you direct.

When ordering axle parts, be particular to specify carefully the style axle for which part is wanted, the color of axle, the model of the machine, whether narrow or wide tread and whether for right or left side, and the number of your engine. We must have this information.

#### Front Axle Parts.

	Front axle complete, with complete spindles and parallel rod	36.0
1101	Tube with yoke, pivot brackets and pivots, spring perch and	
	truss rod	18.0
1102	Rocker spring perch and King post with bolts and nuts for	
	front axle	3.0
1103	Bolt and nut for front axle rocker spring perch and King post	.10
1166	Hinge bolt and nut for front axle rocker spring perch and King	
`	post	.50
1104	rin for front axle rocker spring perch	.0
1105	Stud and nut for front axle spring perch.	.10
4053	Stud and nut for front axle spring perch	.3
1106	Pivot bracket with pivot, right, for front axle	1.6
1107	Pivot bracket with pivot, left, for front axle	1.60
1108	Screw for front axle pivot bracket	
1109	Pivot for front axle pivot bracket	.03
1110	Truss rod with nut for front axle	.40
1111	Nut for front pule tweet and	.50
1112	Nut for front axle truss rod.	.0:
1114	King pin or bolt with nut, and cotter pin for front axle spindle	1.50
4181	Steel bushing for front axle spindle (or bronze)	.40
	Oiler for front axle spindle king pin.  Nut for front axle spindle.	30
1116	Nut for front axle spindle	.10
•	Spindle, right, complete for front axle	7.80
	Spindle, left, complete for front axle	7.80
1 .	Spindle, right, only, for front axle	6.00
	Spindle, left, only, for front axle	6.00
1121	Stationary cone for front axle spindle (inside)	.80
1122	Adjusting cone for front axle spindle	.50
1126	Adjusting cone for front axle spindle	
	screw for front axle spindle	.50
1127	Expander for front axle spindle knurled head adjusting screw.	.10
1128	Binding cap screw for front axle spindle knurled adjusting	
	screw	.05
• .		.00
	Parallel Rods.	
1135	Parallel rod complete for front axle	2.00
1136	Parallel rod with fixed yokes only, for front axle	1.25
1137	Bolt, right, with nut and cotter pin for front axle parallel rod.	.25
1138	Shoulder bolt, left, with nut and cotter pin for front axle	
	parallel rod	.50
1139 .	Nut for front axle parallel rod yoke bolt	.05
	Steering arm bushing	.20
	Brass bushing for parallel rod bolt	.30
	vor paramet rod poter	.30

Order Parts by number and name in full and give number of motor.

Read page 3 before ordering.

#### Front Wheel.

4 4 1		
• .	Front wheel complete with rim; less tire	18.00
	Hub complete for front wheel	8.00
1152	Outside flange for front wheel hub	2.00 ,
	Inside flange complete for front wheel hub	6.00
_1154	Inside flange for front wheel hub with ball cups	4.80
B1786	Ball cup, inside, for front wheel hub, inside flange	1.00
1156	Ball retainer, inside, for front wheel hub, inside flange	.20
1157	Felt washer, inside, for front wheel hub, inside flange	.15
1158	Retainer, inside, for front wheel hub inside flange felt washer	.25
1159 .	Balls, 11/16", for front wheel hub inside flange inside ball cup	. 02
D4 =00	The state of the front wheel but incide flange	.07
B1788	Ball cup, outside, for front wheel hub inside flange	.80 .10
1161	Retainer, outside, for front wheel hub inside flange balls	.03
1162	Balls, 7/16", for front wheel hub inside flange outside ball cup  Bolt with nuf for front wheel hub flanges	.10
1163	Nut for front wheel hub bolt	.05
1164	Cap for front wheel hub	.80
1165	Cap for front wheer hub	00
	Rear Axle.	. , .
	Acal Maic.	/
	Rear axle complete, with differential gear and sprocket	75.00
4.	Rear axle complete, without differential gear	45.00
	Housing complete for rear axle with spider and other fixed	
1	parts	30.00
1403	Housing tube with spider, spring perch and pivot bracket with	
artin e e	pivots and buffer bracket for rear axle, right side	15.00
1404	Housing tubes for rear axle, same as above, left side	15.00
유민이는	Spring perch for rear axle	2.00
	Bolt and nut for rear axle spring perch	.10
	Nut for rear axle spring perch bolt	.05
	Pivot bracket with pivot for rear axle	1.40
1408	Pivot for rear axle pivot bracket	.40
		.10
1409	Buffer cup with bolt, and nut for rear axle	1.25
1410	Bolt and nut for rear axle buffer cup	.10
1411	Truss rod, long, with put, for rear axle	.40 .40
1412	Truss rod, short, with nut for rear axle	.05
1413 1414	Collar for rear axle tube.	.20
1414	Roller cage, outside, long, for rear axle	,50
1416	Rollers for rear axle, outside roller cage (8 used)each	
1417	Roller cage, inside, short, for rear axle	
1418	Rollers for rear axle, inside roller cageeach	.25
1419	Felt washer for rear axle	.10
1420	Retainer for rear axle felt washer	.10
1421	End thrust complete for rear axle	1.60
1422	Ball cup for rear axle end thrust	.65
1423	Ball race for rear axle end thrust	.50
1424	Retainer for rear axle end thrust balls	.10
	Balls for rear axle end thrust (19 per set)each	.02
1425	Rear axle shaft, long end, left	3.00
1426	Rear axle shaft, short end, right	3.00
1427	Collar for rear axle shaft	20

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

	and the control of th	7
1428	Pin for rear axle shaft collar	.05
1429	Key for rear axle shaft differential	10
1430	Wheel key for rear axle	.10
1431	Nut for wheel end of rear axle shaft (slotted)	.25
1435	Oil cup for rear axle	.10
1436	Housing bolt with nuts for rear axle brake hand	
1437	Nut for rear axle brake band housing bolt	.10
1438	Lock nut for rear axle brake band housing bolt	.10
1439	Arch housing bolt, upper, with nuts for rear axle	1.25
1440	Arch housing bolt, lower, with nuts for rear axle	1.25
	Hold up spring for rear axle brake band	.25
1442	Nut for rear axle brake band housing bolt	.10
1443	Lock nut for rear axle brake band housing bolt	.10
1444	Brake band complete, with lining ends and bell crank, for	.10
	rear axle	3.00
1445	Brake band with ends and lining for rear axle	2.50
1446	Mohair lining with rivets for rear axle brake band	
1466	Bell crank, right, for rear axle brake band	.60
1467	Bell crank, left, for rear axle brake band	.50
1448	Die for rose avia broke band hall aroul-	.50
1440	Pin for rear axle brake band bell crank	.05
	Drum with internal gear for rear axle differential, either side.	30.00
1453	Oil cup for rear axle differential drum	4.50
1400	Central web for rear axle differential gear	.10
1455	Distance for room and differential gear	6.00
1400	Pinions for rear axle differential gear central webeach	1.50
	Sprocket, 31, 34, 38, 41 or 45 tooth, for rear axle with screws.	5.80
1465	Screws for rear axle sprocketeach Rubber buffer for rear axle, K and M	.05
4466	Rubber buffer for rear axle, S and T	.50
4400	Rubbel bunel for real axie, 5 and 1	.50
	" Rear' Wheel.	
	Rear Wileel.	1.1
1475	Rear wheel complete less tire	10.00
1476	Inside flange for rear wheel	18.00
1477	Outside flange of rear wheel.	4.00
1478	Axle key for rear wheel hub	2.00
1479	Polt and met for some wheel high	.10
1480	Bolt and nut for rear wheel hub	.10
1400	Hub complete	.80
· .	Titto complete	6.00
	Dash and Hood.	1.
4.0	A contract of the contract of	
	Dash only	18.00
	Hood only Dash, hood and radiator complete, with dash lamp bracket, 1906,	12.00
and the second	Dash, hood and radiator complete, with dash lamp bracket 1906	12.00
	K and M	50.00
g	Dash, hood and radiator complete, 1907, K and M or S and T	50.00
	Dash and hood complete, 1906, K and M	30.00
	Dash and hood complete, 1907, K and M or S and T	30.00
31314	Filler cup for hood, 1906, K and M.	.60
	Filler cup for hood, 1906, K and M	.40
	Cover for hood with latch and hinge, 1907, K and M or S and T	1.20
4051	Cover only for hood, 1907, K and M or S and T	.40
31652		
	Hinge for hood cover, 1907, K and M or S and T	
	Hinge for hood cover, 1907, K and M or S and TLatch complete for hood cover, 1907, K and M or S and T	.20
4088	Hinge for hood cover, 1907, K and M or S and TLatch complete for hood cover, 1907, K and M or S and T	
4088	Hinge for hood cover, 1907, K and M or S and TLatch complete for hood cover, 1907, K and M or S and THandle for hood cover latch, 1907, K and M or S and T	.20 .50
4088	Hinge for hood cover, 1907, K and M or S and TLatch complete for hood cover, 1907, K and M or S and T	.20 .50

Order Parts by number and name in full and give number of motor.

Read page 3 before ordering.

4089	Barrel for hood cover latch, 1907, K and M or S and T	.20
4087	Button for hood cover latch, 1907, K and M or S and T Spring for hood cover latch, 1907, K and M or S and T	.05
4086	Coring for head cover latch, 1907, K and M or S and T	.10
_	Side shim, right, for hood	.15
B1555	Cide shim, light, for head	.15
B1554	Side shim, left, for hood	1.00
4156	TI 1 down complete, 1907, K and M	
4475	Hood floor complete, S and T	1.00
4135	Support for hood floor, right, 1907, K and M	.60
_4134	Support for hood floor, left, 1907, K and M	.60
B 643	Lamp bracket for dash, right	1.00
B 644	Lamp bracket for dash, left	1.00
B 737	Lamp bracket for dash, left	.10
• .	TT OOD DADMO	
¥	FLOOR PARTS.	
B1614	Lock for front floor door, 1906, K and M	.20
4117	Hinge for front floor	. ,05
B1095	Hinge for front floor	.20
4305	Reinforcement plate for front floor, S and T	.20
B1299	Reinforcement plate for front floor, S and T  Iron cleat for front floor latch door, 1906, K and M	.15
4118	Iron cleat for front floor, 1907, K and M. S and T	.15
B1778	Iron cleat for front floor, 1907, K and M, S and T  Iron for toe board of front floor, 1907, K and M	.30
B1631	Riser for front floor, right, 1906, K and M	30
B1632	Riser for front floor, left 1906, K and M	.30
4018	Riser for front floor, right, 1907, K and M, S and T	.40
4017	Riser for front floor left 1907 K and M. S and T.	.40
B1557	Battery box cleat and floor riser, 1906, K and M	1.00
4050	Battery box cleat and floor riser, left, 1906, K and M	1.00
4307	Floor riser and battery box support, S and T	
B1078	Ratchet for brake foot lever, on front floor	.40
D1019	Ratchet for brake foot level, on front hoor	•
	Body Brackets.	100
		•
of the gard	K and M.	
1		
-B 309	Body bracket or clip, middle, on Model K	.20
B1734	Body bracket or clip, rear, on Model K	.20
4133	The 3 - 1 1 1 1 1 - 1	.20
4434	Body bracket or clip, Model MS" (four used)each Body bracket or clip, Model "S" (four used)each	.20
4435	Body bracket or clip, Model "T"	20
*.=	Cau sciew for bour bracket.	.05
B1457	Brass bolt, long, for attaching front of body, 1906, K and M	.10
B1456	Brass bolt, short, for attaching front of body, 1906, K and M.	.10
4097	Brass bolt, long, for attaching front of body, 1907, K and S	.10
4098	Brass bolt, short, for attaching front of body, 1907, M and T	.10
	The second of th	•
	Body Parts.	
7 · · · · · · · ·		
	1906 K and M.	
•	Cushions for front seateach	6.00
	Heel board complete for front seat	4.00
	Lock for front seat heel board	.40
	Hinge, upper, for side entrance door, right (bronze)	1.00
•	Hinge, lower, for side entrance door, right (bronze)	2.00
B1612	Lock complete less handle for side entrance door, right	1.00
-		
Be	sure to put your name and motor number of	n

Read page 3 before ordering.

parts returned and PREPAY CHARGES.

		•
B1640	Handle for side entrance door lock, right	1.00
	Latch plate for side entrance door lock, right	.10
•	Hinge, upper, for side entrance door, left (bronze)	1.00
_	Hinge, lower, for side entrance door, left (bronze)	2.00
B1613	Lock complete less handle for side entrance door, left	1.00
B1640	Handle for side entrance door lock, left	1.00
_	Latch plate for side entrance door lock, left	.10
B1649	Hinge pin and cap for side entrance door hinges	.10
	Heel board for rear seat	4.00
• .	Lock for rear seat heel board	.40
	Hinge for rear seat heel board	.05
• •	Upper and lower toe boardseach	.25
	Body Parts.	•
	Body Parts.	
9	1907 K and M	9 . j
	1701 II WIIU II	
	Heel board complete for front seat, Model "M"	4.00
	Heel board complete for front seat, Model "K"	4.00
	Latch complete for front seat heel board	.40
4065	Handle for front seat heel board latch	.20
4064	Latch piece for front seat heel board latch	.05
4063	Spring for front seat heel board latch	.05
4062	Escutcheon for front seat heel board latch	.10
2.4	Heel board complete for rear seat	3.00
	Latch complete for rear seat heel board	40
4065	Handle for rear seat heel board latch	.20
4064	Latch piece for rear seat heel board latch	.05
4063	Spring for rear seat heel board latch	.05 .
4062	Escutcheon for rear seat heel board latch	.10
a contract	Hinge, upper, for side entrance door, right	.50
	Hinge pin for side entrance door hinges, right	1.00 .05
1.	Door hinge upper right (for Victoria hody)	1.00
	Door hinge, upper, right (for Victoria body)	2.00
	Pin for door hinges (for Victoria hody)	.10
	Pin for door hinges (for Victoria body)	1.00
	Handle for side entrance door lock, right	1.00
	Latch strike for side entrance door lock right	.10
• • 1	Hinge, upper, for side entrance door, left	.50
	Hinge, lower, for side entrance door, left	1.00
	Hinge pin for side entrance door hinges, loft	.05
	Door hinge, upper, left (for Victoria body)	1.00
	Door hinge, lower, left (for Victoria body)	2.00
	Pin for door hinges (for Victoria body)	.10
	Lock complete less handle for side entrance door, left	1.00
	Handle for side entrance door lock, left	1.00
	Laten strike for side entrance door lock, left	.10
	S and T	
	Heel board complete for front seat, Model "T"	4.00
	Heel board complete for front seat, Model "S"	4.00
	Latch complete for front seat heel board	.40
4065	Handle for front seat heel board latch	.20
4064	Latch piece for front seat heel board latch	.05
	Onder Daire by want by and want to Cill	
•	Order Parts by number and name in full	
	and give number of motor.	,
•	Maria Sean Transmer of Winters	

·.*	Hinge for rumble seat, Model T	.20
4208	Spring for front seat heel board latch	.05
4062	Escutcheon for front seat heel board latch	.10
1.	Heel board complete for rear seatLatch complete for rear seat heel board	4.00
4065	Handle for rear seat heel board latch	.20
4064	Latch piece for rear seat heel board latch	.05
4208	Spring for rear seat heel board latch	.05
4062	Escutcheon for rear seat heel board latch	.10
4454	Hinge, upper for side entrance door, right	.50
4456	armse, upper for side chirance door, right-	.00
4459	Hinge, lower, for side entrance door, right	1.00
4461	Hinge pin for side entrance door hinges, right	.05
4076	Lock complete, less handle, for side entrance door, right	1.00
4077	Handle for side entrance door lock, right	1.00
4075	Latch strike for side entrance door, right	.10
4455	Hinge, upper, for side entrance door, left	.50
4457		.50
4458	Hinge, lower, for side entrance door, left	1.00
4460 4478	Hinge pin for side entrance door hinges, left	.05
4076	Lock complete, less handle, for side entrance door, left	1.00
4077	Handle for side entrance door, left	1.00
4075	Latch strike for side entrance door, left	.10
	FLOOR MATS.	400
B1565	Rubber mat for front floor, 1906, K and M	2.50
B1566	Rubber mat for rear floor, 1906, K and M. Victoria	1.50
4153	Rubber mat for front floor, 1907, K and M	2.50
4154	Rubber mat for rear floor, 1907, K, and M	1.50
4332	Rubber mat for front floor, 1908, S and T	2.50
4490	Rubber mat for rear floor, 1908, "1"	1.50
	Deck Parts.	
	Fastener complete for deck lid	.60
4081	Handle for deck fastener	.15
4084	Handle for deck fastener  Barrel for deck fastener	.20
4085	Suring for deck fastener	.10
4083	Strike plate for deak fastener	.10
4087	Latch piece for deck fastener	.05
	Fenders.	• ;
and the second	1906 K and M.	. /
	Fender, front, right, with splash leather	4.00
•	Fender, front, left, with splash leather	4.00
·B1154	Fender, front, only right	3.00
B1155 B1713	Fender, front, only left	3.00
B1528	Splash leathers for front fenders, Model M, per pair	1.50 1.50
B1630	Iron attaching strips for front fender splash leathers	.10
B1683	Fender fastener complete	.25
100	Clamp for fender fastener	.10
	Set screw for fender fastener	.10
•	Nut for fender fastener set screw	.05
TO .	sums to not your name and mater number of	_

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

B1255	Fender, rear, right or left with step bracket	3.00 .15
	, 1907 K and M.	
4039 4038 B1528 B1713	Fender, front, right, with splash leather	4.00 4.00 3.00 3.00 1.50 1.50
3218 3219	Iron attaching strips for front fender splash leathers Fender fastener complete	.10 .25 .30 .15
3221 4036 4037	Nut and washer for fender fastener  Fender, rear, right or left, with step bracket, M  Fender, rear, right or left, Model K	3.00 3.00
	1908 Models S and T.	
4730 4731 4728	Fender, front, right, Model "S"	5.00 5.00 3.00
4729 4429 4430	Fender, front, right, Model "S" Fender, front, left, Model "S" Fender, rear, right, Model "S" Fender, rear, left, Model "S" Fender, front, right, Model "T" Fender, front, left, Model "T" Fender, frear, right or left, Model "T"!	3.00 5.00 5.00
4313 3852 3851 4324	Hook for fender fastener  Eyebolt for fender fastener	.15 .15
3220 3221	Nut and washer for fender fastener	.10
<i>.</i>	Running Boards.	
	Model "S"	
4498 4497 4499 4272	Running board, right or left, complete	.60 .50 1.20
	Model "T".	
4321 4320 4334 4333 4335	Running board, right, complete Running board, left, complete Running board, right, only Running board, left, only Rubber mat for running board, right. Rubber mat for running board, left. Brass binding for running board, short piece.	6.00 6.00 1.00 1.00 2.00 2.00 2.00
2000	and and an animal and a second property	•

Order Parts by number and name in full and give number of motor.

Read page 3 before ordering.

4336 B 738 4272	Brass binding for running board, long piece	.60 .05
	each	.05
	Washers, ¼" (twelve) each	.05
	Brass screws for attaching binding on running boards, per set	.35
4494	Angle plate for running board and rear fender	.15
4493	Reinforcing plate for rear end of running boards	.10
4464	Angle plate for running board and rear fender	.15
4463	Angle plate for running board and front fender, left	.15
· · · · · ·	Top and Body Irons.	*
	1907 Model "K"	
4241	Top iron (front, two)each	.40
4244	Prop iron for top (two)each	.60
4251	Body iron for top iron, right, front	.50
4252	Body iron for top iron, left, front	.50
4253	Body iron for top iron, left, rear	.80
4254	Body iron for top iron, right, rear	.80
4250	Corner iron for seat, right	.20
4249	Corner iron for seat, left	.20
	Model "M"	
	1907 Straight Line Body.	
		4,
4243	Top iron, front (two)each	.30
<b>-4242</b>	Top iron, middle (two)each	.60
4245	Top iron, rear (two)each	.40
4246	Body iron for top iron, front (two)each	.60
4247	Body iron for top iron, middle (two)each	.60
4248	Body iron for top iron, rear (two)each	.80
	Model "S"	
	이 그림을 발표되었다. 그 아이들은 아이들은 아이들은 아이들은 아이들은 그는 사람들이 되었다.	
4707	Top iron, front (two)each	.40
4706	Prop iron for top (two-)each	.60
4701	Body-iron for top iron, front, right Body iron for top iron, front, left	.50
4702	Body iron for top iron, front, left	.50
4703	Body iron for top iron, rear, right	.80
4704	Body iron for top iron, rear, left	.80
4495	Corner iron for seat (two)each	.20
*	Model "T"	
4277	Top iron, front (two)each	20
4476	Top iron, middle (two)each	.30
4245	Prop iron for top (two)	.60
4448	Prop iron for top (two)each Body iron for top iron, front, left	.40
4449	Body iron for top iron, front, right	.60 :60
4445	Body iron for top iron, middle, right	.60
4446	Body iron for top iron, middle, left	.60
4450	Body iron for top iron (two)each	.80
		.00
	Arder Parts by number and name in full	

Order Parts by number and name in full and give number of motor.

### Tool Kit.

31672	Tool kit, complete	15.00
816	Wrench, end size 3/4x3/4"	.30
31547	Wrench, end size 1"	.30
819	Wrench, end size 3/8x5/8"	.25
818	Wrench, end size ½x5/8"	.25
817	Wrench, end size 3/4x9/16"	.25
820	Wrench, end size %x1-1/16"	.30
	Monkey wrench	.60
825	Pliers	.60
. 0.00	Spark plug	2.20
	Master link (for chain)	.14
	Starting crank	2.00
	Oil gun	
	Oil can	.30
	Water funnel	.50
٠.	Gasoline funnel	.50
,	Tire repair kit	
	Tire nump Miller	2.00
	Tire pump, Miller	.15
	Screw driver, short.	.10
		.10
	Canvas tool bag	
	Hub cap wrench	
•	Lubricator wrench	.35
	Lubricator key	.25
	Stapley pump	5.00

Order Parts by number and name in full and give number of motor.

### CADILLAC



# Price List of Parts



## Model H

This Price List is effective on and after Oct. 1st, 1911, and supersedes all previous quotations.

Prices are subject to change without notice

Copyright 1911 by

Cadillac Motor Car Company

Detroit, Michigan, U.S.A.

## Table of Contents

	Page
INSTRUCTIONS FOR ORDERING	. 3
TELEGRAPH CODE	
MOTOR	
Motor Support Tubes	
Crank Shaft	. 8
Fly Wheel	. 8
Cam Shaft Assembly	. 8
Cylinder	. 9
Water Jacket	. 9
Valve Chamber Piston	
Connecting Rod	
Connecting Rod Governor	. 10
Commutator	. 10
Carburetor and Connections	. 12
Priming Rod	. 13
Accelerator	. 14
Pump	. 14
Lubricator	. 15
Lubricator Sight Feed	. 16
TRANSMISSION	. 16
MUFFLERS	. 27
MUFFLER CONNECTIONS	. 20
STARTING DEVICE	. 21
ENGINE SHIELD	. 21
FRAME	. 21
SPRINGS	22
GASOLINE SYSTEM	
SPLITDORF SPARK COIL	. 25
Secondary Wiring	. 25
Secondary Wiring  BATTERIES	. 20
BATTERIES	. 25
Witherbee Batteries	. 26
DASH	. 28
DADIA TOTATOR	. 29
RADIATOR	. 29
FAN	. 29
BRAKE AND CLUTCH CONNECTIONS	
BRAKE PULL RODS	. 31
CONTROLLER LEVER	
STEERING MECHANISM Steering Connection Rod	. 32
Steering Connection Rod	. 33
SPARK AND THROTTLE PARTS	. 34
AXLE, FRONT	
WHEEL, FRONT	
AXLE, REAR	
WHEEL, REAR	
UNIVERSAL JOINT	. 38
HUB BRAKES ON REAR AXLE	. 55
BODY PARTS	
FENDERS	
BATTERY BOX CASE	
TOOL KIT	
Tool Box	. 43

## Instructions

# Unless these Instructions are carefully followed, we will not be responsible for errors or delay.

To facilitate the prompt and correct handling of orders for parts, it is imperative that these instructions be carefully followed.

In order that parts wanted may be readily located, this list is arranged by groups; for example, the Engine Group, the Gasoline System, Cooling System, Electrical System, etc., and under these respective headings will be found listed all parts that compose the groups and systems.

A number of parts are designated as "Right" and "Left." The "Right" side is the right side as you sit in the car.

Parts positively must be ordered by serial part-number and by name in full as given herein. Also state the model, the year of make, and the motor number of the automobile. The motor number is stamped on the top of the crank case, in front of the first cylinder, on the side nearest the lubricator.

If in doubt as to the correct designation of the part desired, send a sketch of it, giving dimensions. Or, send us the broken parts, charges prepaid, with your order for new parts. Be sure to write your own name and address plainly on the package. Tag each individual part contained in the package with your name and address, also state on the tag the model and year of make and motor number of the car from which the part is taken. Be sure to write us at the time you send the package, stating what you are sending and how (mail, express or freight). This must be done regardless of any former correspondence. Be sure to prepay carrying charges. Our Receiving Department refuses to accept packages on which charges have not been prepaid.

When ordering cars and parts at the same time, make a separate order for each, because cars and parts are handled by different departments. Write on the order sheet nothing that does not directly refer to that particular order; write about other subjects on another sheet, so that it may go directly to the proper department.

If these requests are not complied with, we cannot hold ourselves responsible for errors and delay.

Terms Net Cash with order, F. O. B. Detroit.

The prices in this list are net, and no discount will be allowed to others than our authorized dealers. Cash positively must accompany all orders for parts, because we open accounts with none but our authorized dealers. Unless cash is sent with order, it only delays matters by necessitating our writing for remittance. We do not send parts C. O. D. Orders for parts to be sent by mail must be accompanied by a sufficient amount to cover postage.

Parts claimed to be defective and for which free replacement is expected, must be sent to us, tagged as required, for our inspection within sixty days from purchase of the automobile. A letter of advice must be sent at the same time, giving engine number, date of purchase, etc. Unless carrying charges are prepaid, the package will not be accepted.

TIRES, SPARK COILS AND BATTERIES. We will sell Tires, Spark Coils and Batteries, but we do not replace such parts gratis. In case of defective construction, claim must be made, and defective parts sent direct, to the makers of such Tires. Spark Coils or Batteries.

Above parts sent to us will not be accepted from the Transportation Co.

We do not list such parts as wood screws, washers and cotter pins, for the reason that these can readily be obtained in any hardware store.

We do not list any part at less than five cents, for the reason that, though the part may not be worth more than a cent or two, the cost to handle it is several times that amount.

## Cadillac Telegraph Code

## Study this carefully before attempting to use it.

This telegraph code has been formulated for the convenience and economy of Cadillac dealers and users in telegraphing orders for parts.

When the order can be transmitted in a ten-word day message or a fifty-word right lettergram, we advise that plain language be used for the reason that in uch cases there is no advantage or saving in using the code.

You are also cautioned not to use these code words in night lettergrams or lay letters, as the telegraph companies will not permit it. The use of code words n night lettergrams or day letters will subject them to full toll charges; therefore, light lettergrams and day letters must be sent in plain English.

While this code system is extremely simple to understand and use, it must be used with absolute exactness or, like any code, it is worse than useless.

These same code words are also used in other Cadillac part lists. It is herefore necessary when this code is used, for us to know the book from which he parts are ordered.

The word which must be used to indicate parts ordered from this book is

### Harmony

This word "Harmony" must be used immediately preceding the words indiating the parts ordered, as shown in the following example:

#### Example

Suppose you wanted to wire an order for the following parts to be shipped by spress:

One pump cylinder for lubricator.

Two clutch rings for high speed clutch.

One bracket for starting crank,

One hand brake sector.

The first item in the foregoing list will be found on page 15, the 14th line, the ode word for which is CETAB.

The second item is on page 17, the 46th line and the code word is SOBED.

The third item is on page 21, the 9th line and the code word is RALED.

The fourth item is on page 30, the 10th line and the code word is SAFIG

The whole telegram, therefore, would read:

adillac Motor Car Company,

Detroit, Mich.

Express harmony one cetab, two sobed, one raled, one safig.

(Signed).....

It will be seen that where two or more lines are required to describe a part, there is a code word in front of each line. The code word in front of the first line is the one that should be used, although if by mistake you should use the one which is in front of the second line, no harm will result.

Where there are division headlines in heavy type throughout the book, code words are opposite them and also opposite blank spaces, but these have no significance to you.

In other words, the only code words with which you have anything to do are those which are in front of the first line describing the part which you want to order.

#### CAUTION

In writing your telegrams, it is absolutely necessary that they be written so plainly that there will be no possible chance of the telegraph operator making any mistake in reading them, because a single letter transmitted incorrectly will change the word entirely and might cause us to ship the wrong article. Be careful not to confuse letters. Do not confuse C. with G. Do not confuse H. R. P. B. and K. or E. with F. It is best to have all telegrams typewritten and carefully checked over before sending.

The Cadillac Company will not be responsible for errors which may occur as the result of incorrectly written or incorrectly transmitted telegrams.

THE CODE WORDS SHOULD NOT BE USED WHEN ORDERING PARTS BY MAIL.

COD			MOTOR.	F
BAD			Motor complete with transmission and	
CAD			brakes, support tubes, carburetor,	
DAD	AB		governor, and commutator, tested	
FAD		•	ready for use\$1	,100.00
KAD			Engine Base, lower half with studs, oil	0* 00
LAD. MAD		R-4-280	tube and plugs	85.00
PAD		16-1-200	Stud for fastening base, upper to lower half (four)each	.15
RAD		R-4-371	7/16" Columbia lock nuts for above studs	•20
SAD.			(four) (per doz., .50)each	.05
TAD		R-4-671	Stud for fastening base, upper to lower	
ZAD. BED.		R-4-670	half (six)each Stud for fastening base, upper to lower	.15
CED		17-4-010	half (four)each	.15
DED		R-4-369	half (four)each 1/2" Columbia lock nuts used on under	•••
FED			side of lower half for studs R-4-670	
KED.		D 4 686	(four) (per doz., .50)each' 7/16"x14 R. H. hex. nuts for R-4-279	.05
LEDA		R-4-370	7/16"X14 R. H. nex. nuts for R-4-279	0-
MED PED		R-4-703	and R-4-670 (ten) (per doz., .50).each 7/16" slotted hex. nuts for studs R-4-671	.05
RED.			and R-4-670 (ten) (per doz., 1.00)	
SEDA		_		.10
TED		R-4-279	Studs for main bearing caps (ten).each 7/16"x14 R. H. hex. nuts for R-4-279	.25
ZEDA		R-4-370	7/16"x14 R. H. hex. nuts for R-4-279	
BIDA CIDA		R-4-371	(ten) (per doz., .50)each 7/16" Columbia lock nuts (ten) (per	.05
DIDA		10-4-911	doz50)each	.05
FIDA		R-4-418	Studs for oil pan arm cap (twelve) each	.12
KIDA		R-4-376	Studs for oil pan arm cap (twelve).each 1/2"x12 R. H. hex. nuts for R-4-418	
LIDA		D	(twelve) (per doz., .50)each	.05
MIDA PIDA		R-4-369		
RIDA		R-4-237	doz., .50)each	.05 1.00
SIDA		R-4-211	Oil tubeeach	.40
TIDA		R-4-212	½"x90° elbow for oil tube ½"x45° elbow for oil tube	.40
ZIDA		R-4-395	" pipe plugs for engine base, lower	
BOD			half/(five) (per doz., .50)each	.05
DOD		2791	laper pin for engine base (per doz., .25)	. 0.5
FOD			Engine base upper half, with studs	.05 80.00
KOD		R-4-270	Stud for attaching cylinders (sixteen)	00.00
LODA		-	(per doz., 1.00)each 1/2" Columbia-lock nut for above studs,	.10
MOD		R-4-369	1/2" Columbia lock nut for above studs,	
POD/ ROD/		• .	used on underside (sixteen) (per	0.5
SODA		R-4-368	doz., .50)each1/2" hex. nuts for studs R-4-270 (sixteen)	.05
TOD		20 2 000	(per doz., .50)each	.05
ZODA		R-4-283	Stud for hand hole cover (six) (per doz.,	
BUDA			1.00)each	.10
CUD!		R-4-372	Hex. nuts for attaching hand hole cover	05
FUDA		R-4-673	(six) (per doz., .50)each Stud for cam slide holder (twelve) per)	.05
KUD			doz50)each	.05
LUDA	<b>VB</b>	R-4-704	Hex. nuts for attaching cam slide holder	
MUD			(twelve) (per doz., .25)each	.05
PUDA		•	Columbia lock nut for attaching gear	A.
RUDA SUDA			guard, upper (per doz., .50) Stud for gear guard, upper (per doz.,	.05
TUDA	-		.50)	.05
ZUDA	۱B			-
			•	

	<u></u>	7 11 0 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2	
CODE WORD	•		
BAFAB		Hand hole cover plate with handles and	
CAFAB	•	name plate (two)each	4.50
DAFAB	R-4-389	Handle for hand hole cover plate (four)	
FAFAB		each	.10
KAFAB	R-4-404	Gasket for hand hole cover plate (two)	
LAFAB	T) # 00	(per doz., .50)each Cam slide holder (four)each	.05
MAFAB		Liners for cam slide holder (four)each	2.00
PAFAB RAFAB	R-4 46 R-4-454	Gaskets for cam slide holder (four) (per	1.00
SAFAB	76-7-202	doz., .50)each	.05
TAFAB	R-4-339	Screws for cam slide holder (twelve)	
ZAFAB		(per doz., .50)each Main bearing bushing, front, No. 1 (two	.05
BEFAB		Main bearing bushing, front, No. 1 (two	
CEFAB	•	pieces) with two liners	5.00
DEFAB FEFAB		mediate No. 3 (two pieces) with two	
KEFAB	•	liners	5.00
LEFAB		Main bearing bushing, intermediate (two	
MEFAB		pieces) with two liners, Nos. 2 and 4	
PEFAB		(two)each	5.00
REFAB		Main bearing bushing, rear, No. 5 (two pieces) with two liners	
SEFAB		NOTE—Two styles of middle crank	5.00
TEFAB ZEFAB		shaft bearings (No. 3) have been used.	
BIFAB		On the earlier Motors the three inter-	
CIFAB	•	On the earlier Motors the three intermediate bearings (Nos. 2, 3 and 4) were	
DIFAB		the same but on later product the middle	
FIFAB		bearing (No. 3) is flanged on both ends.	
KIFAB		In ordering middle bearings (No. 3) you	1.0
LIFAB MIFAB	R-4-306	must state style wanted.  Dowel for main bearings (five) (per	
PIFAB	16-4-200	doz., .50)each	.05
RIFAB	R-4- 35	Cap for main bearings (five)each	1.20
SIFAB	R-4-434	Cap for oil pan arm (six)each	.80
TIFAB	R-4-326	Set screws for oil pan arm cap (six).each	.15
ZIFAB	R-4-373	5/16" check nut for oil pan arm cap set	A.F
BOFAB	4529	screw (six) (per doz., 50)each Set screws for cam shaft (four) (per	.05
COFAB DOFAB	4329	doz., 1.00)each	.10
FOFAB		1/4" hex. nuts for cam shaft set screws	
KOFAB		(five) (per doz., .50)each	.05
LOFAB	R-4-538	Cam shaft cover, rear	.80
MOFAB	R-4-342	Screws for cam shaft cover (four) (per	
POFAB	D # 00: 1	doz., 1.00)each	.10
ROFAB SOFAB	R-580 }	Aluminum housing for governor gear and cam shaft gear assembled with	
TOFAB	R-5- 81	two bolts and nuts	15.00
ZOFAB			
BUFAB	· .		
CUFAB		TOWNS STIPPORT WITHER	•
DUFAB	•	MOTOR SUPPORT TUBES.	
FUFAB KUFAB		Engine support tube, right, with plugs\$	14.00
LUFAB		Engine support tube, left, with plugs	14,00
MUFAB			
PUFAB			
RUFAB		•	
SUFAB	•		
TUFAB	. •		`
ZUFAB			

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

	0110100	TO MODEL II TRICE EIST OF THEIS.	
CODE WORD		CRANK SHAFT AND FLY WHEEL.	
BAHAB		Crank shaft and fly wheel assembled in-	
CAHAB		cluding the two following items	115.00
DAHAB	R-4-527	Crank shaft only, O. S	90.00
FAHAB	10-1-021	(For use with old style bushings.)	20.00
KAHAB	5000	Crank shaft only	90.00
LAHAB	2000	Fly wheel only, with eight studs and oil	30.00
MAHAB		tube	25.00
PAHAB	R-4-379	Studs for fly wheel (eight)each	.15
RAHAB	R-4-378	Nuts for attaching crank shaft to fly	.10
SAHAB	14-1-010	wheeleach	.15
TAHAB	R-5-153	Oil tube for fly wheel	.20
ZAHAB	R-4-600	Plug for fly wheel oil tube	.15
BEHAB	R-4-568	Crank shaft cam gear	2.00
CEHAB	R-4-735	Pin for crank shaft cam gear (per doz.,	2.00
DEHAB	21-2-100	.50)each	.05
FEHAB	R-4-569	Thrust washer for crank shaft	.90
KEHAB	R-4-348	Key for crank shaft	.15
LEHAB	R-4- 29	Fly wheel ring	5.00
MEHAB	R-4-344	Pipe plug for fly wheel ring	.05
PEHAB	H 417	Crank shaft starting ratchet	2.00
REHAB	R-4-217	Pin for starting ratchet 1%", No. 5	2.00
SEHAB	16-4-911	taper (per doz., .50)	.05
TEHAB	R-4-197	Hess-Bright bearing, No. 212, for fly	90
ZEHAB	10-4-131		14.50
BIHAB		The following parts were used on	14.50
CIHAB		Model "H" cars on which the Governor	;
DIHAB	* * * * * * * * * * * * * * * * * * * *	was not used.	
FIHAB	4551	Sleeve for front of crank shaft	.40
KIHAB	4552	Washer for front of crank shaft	.10
LIHAB	4002	No. 208 Hess-Bright bearing for crank	.10
MIHAB		shaft	7.50
PIHAB	R-4-610	Nuts for crank shaft sleeve (two)each	.90
RIHAB	21-2-020	ituis for claim shart sicere (two)cuen	
SIHAB		CAM SHAFT ASSEMBLY.	
TIHAB		Cam shaft assembled with gears and	FO 00
ZIHAB	D 4 sem	Hess-Bright bearing\$	50.00
BOHAB	R-4-567	Cam shaft only	7.00
COHAB	R-4-536	Cam shaft bearings (four)each	4.00
DOHAB	2813 D 4 570	Cam shaft bearing at front of cam shaft	2.75
FOHAB	R-4-570	Separators for cam shaft bearings (four)	
KOHAB	D. 4 500	Inlet com an com shelt (four)	.15
LOHAB	R-4-520	Inlet cam on cam shaft (four)each	.90
MOHAB	R-4-521	Exhaust cam on cam shaft (four)each	.90
POHAB	R-4-214	Pins for cam shaft cams (eight) (per	V.
ROHAB	R-4-363	doz., .50)each Washer for end of cam shaft (per doz.,	.05
SOHAB	7/-3-203		. 05
TOHAB		Sorow for and of som shoft (nor dor	.05
ZOHAB		Screw for end of cam shaft (per doz.,	1 00
BUHAB	0000	.50)each	0.05
CUHAB DUHAB	2807	Cam shaft gear with spur gear for cam	1400
FUHAB	2808	shaft (iron)	14.00
	4611	Fibre cam shaft gear with commutator	
KUHAB LUHAB	2807	gear (Fibre ¾" wide)	14.00
MUHAB		Hess-Bright bearing (No. 208) on cam	12.00
PUHAB	•		7.50
RUHAB	2810	Set screw for cam shaft (per doz., .50)	1.50
SUHAB	2010	anch	.05
TUHAB		1¼" No. 3 taper pin for cam shaft (per	.00
ZUHAB		doz50)each	.05
iiii	1		.00
R	silve to	nut your name and motor number on	

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE		Th. (-11	
WORD		The following parts were used on	
BAKAB		Model "H" cars on which the Governor was not used.	
CAKAB	45.40		
DAKAB	4548	Cam shaft	10.00
FAKAB KAKAB	4546 4553	Bearing at front end of cam shaft	4.00
LAKAB	4544	Bushing in gear guard for cam shaft	1.50
MAKAB		Cam shaft gear with commutator gear (fibre 1" wide)	14.00
PAKAB	•	, (110 2 1100)	14.00
RAKAB		· ·	
SAKAB	•	CYLINDER, WATER JACKET AND	
<b>TAKAB</b>	•	VALVE CHAMBER.	
ZAKAB		Calif	, ,
BEKAB CEKAB		Cylinders, water jackets and valve	
DEKAB		chambers can be furnished assembled	
FEKAB		only, owing to the necessity of special machinery in assembling. In case of	
KEKAB		breakage of any of these parts, upon the	
LEKAB		return of the complete assembly, charges.	
MEKAB		prepaid, we will make the necessary	
PEKAB		repairs and charge only for the parts	
REKAB		used.	·*
SEKAB		Cylinder, water jacket and valve cham-	
rekab Zekab	H-1- 98	ber assembled	25.00
BIKAB	11-1- 90	(pt. 40m.)	
IKAB	R-4- 18	Valve chamber nipple each	.05
IKAB		Inlet valve assembled, comprising the	1.75
IKAB		three following items	2.00
CIKAB	_	inlet valve and stem	1.50
IKAB.		inlet valve toot	.40
MIKAB PIKAB	R-4-160	lilict valve spring (per doz. 100) each	.10
RIKAB		Exhaust valve, assembled, comprising	٠.
IKAB		the three following items	2.00
IKAB	R-4- 16	Exhaust valve, with stem Exhaust valve, foot	1.50
IKAB	R-4-160	Exhaust valve spring	.40 .10
OKAB	R-4- 20	Air cock cap	1.00
OKAB	·	Air reliet cock, complete	.80
OKAB	R-4- 19	Spark plug cap	1.00
OKAB OKAB	R-4-377	Spark blug	1.00
OKAB	R-4-467	Gasket for spark plug and air cock caps	.10
IOKAB		Adjustable valve rod complete including	• .
OKAB	R-4- 23	the two following items	1.25
OKAB	R-4- 24	Adjusting nut with screw for adjustable	.60
OKAB		valve rod	.60
OKAB		Cam slide block assembled with roll and	
OKAB		pin (eight)each PISTON AND CONNECTING ROD.	1.40
UKAB		PISTON AND CONNECTING ROD.	
UKAB	•	Piston and connecting rod assembled, in-	
UKAB		cluding the eleven following items Piston assembled, including four follow-	27.00
UKAB		ing items	16.00
UKAB		Piston with three rings	16.00 12.00
IUKAB	R-4-227	Piston ringseach	1.00
UKAB	_	Piston ringseach	3.00
UKAB	R-4- 7	Piston pin bushing	1.00
UKAB			
UKAB UKAB			
UKAD	• •		

Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

CODE WORD		$\mathbf{r}_{i}$	
		Community and accomplish and oil	
BALAB	*	Connecting rod assembled with cap, oil tube, crank end bearings, and piston	
CALAB			12.00
DALAB FALAB	R-4- 8	connecting rod bushing, crank end, with	
KALAB	77-4- 0	dowel	2.00
LALAB	R-4-362	Oil tube for connecting cap	.20
MALAB	R-4-297	Connecting rod cap hinge pin (per doz.,	
PALAB		.50)each	.05
RALAB	H-1-243	Cap screw for connecting rod	. <u>40</u>
SALAB	H-1-439	Columbia lock nut for connecting rod	
TALAB		(per doz., .50)each	.05
ZALAB			
BELAB			
CELAB		GOVERNOR AND COMMUTATOR.	
DELAB		Community complete	
FELAB	<i>,</i> *	Governor and commutator, complete,	80.00
KELAB		assembled\$ Governor complete, including forty-five	.00.00
LELAB.		following parts	70.00
MELAB PELAB	R-4-548	Governor body or housing, inner half	12.00
RELAB	R-4-547	Governor body or housing, outer half	10.00
SELAB		Body with fibre ring and contact points	4.00
TELAB	R-4-593	Cap for governor housing	.60
ZELAB	R-4-631	Coil spring for top of governor shaft	
BILAB		(per doz., .50)each Commutator shaft, vertical (with key-	.05
CILAB	R-4-556	Commutator shalt, vertical (with key-	
DILAB	_	way)	3.00
FILAB	R-4-641	Sleeve for governor shaft, upper	.60
KILAB	K-4-643	Pin for governor shaft sleeve (two)	.10 1.60
LILAB	K-4-642	Sleeve for governor shaft, lower Key for governor sleeve (two) (per	1.00
MILAB	K-4-647	doz., .50)each	.05
PILAB	R-4-649	Shoe for governor sleeve (four) (per	
RILAB	1/-4-049	doz., 1.00)each	.10
SILAB TILAB	R-4-648	Pin for governor (per doz., .25)each	.05
ZILAB.	R-4-450	Yoke for governor, short	3.00
BOLAB	R-4-451	Yoke for governor, long	3.00
COLAB	R-4-652	Pin for governor yokes (four) (per doz.,	
DOLAB		.25)each	.05
FOLAB	R-4-542	Trunnion for governor	.75
KOLAB	R-4-597	Trunnion pin for governor	.15
LOLAB	R-4-594	Spring for governor	.15 .60
MOLAB	R-4-595	Link for governor	1.00
POLAB	R-4-543 R-4-596	Yoke for centrifugal governor ring	.25
ROLAB	D	Screw bushing for governor shaft	2.40
SOLAB TOLAB	T	Lock nut for screw bushing	.70
ZOLAB	R-4-552	Cover for commutator gears	5.00
BULAB	R-4-554	Commutator shaft gear	1.60
CULAB	R-4-702	Commutator shaft nut	.10
DULAB	R-4-551	Spur gear for commutator stud	1.60
FULAB	R-4-555	Mitre gear for commutator stud	2.00
KULAB	R-4-612	Stud for commutator gears	.40
LULAB	_K-4-705	Nut for commutator gear stud	.10
MULAB	R-4-347	Washer for commutator gear stud (per doz., .25)each	.05
PULAB	D 4 055	Commutator gear key	.05
RULAB	R-4-651	Bushing for commutator cover	.80
SULAB	R-4-613	Washer for 1/2" stud (per doz., 25) each	.05
TULAB ZULAB	R-4-345 R-4-599	Washer for ½" stud (per doz., .25).each Lock nut for ball race	.50
LULAD	41-4-000		
В	e sure to	put your name and motor number on	

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE WORD	I		:
BAMAB	R-4-611	Lock washer for ball race (per doz., .50)	. • `
CAMAB DAMAB	R-4-609	Knipe combination ball bearing at top of	.05
FAMAB	1	governor (two)each	.35
KAMAB LAMAB		The following parts were used on cars on which the Governor was not	
MAMAB	· <u>·</u>	used.	
PAMAB	R-4-632 R-4-553	Spacer for commutator\$	0.15
RAMAB SAMAB	R-4-609	Bearing for commutator	1.20
TAMAB		each	.35
ZAMAB BEMAB	R-4-631	Spring for top of commutator shaft (per doz., .50)each	.05
CEMAB	4549	Commutator shaft, vertical (late type)	1.00
DEMAB	R-4-554	Commutator shaft gear	2.25
FEMAB KEMAB	R-4-599 2843	Lock nut for ball race	.55
LEMAB	. 2010	commutator shaft	.25
MEMAB	2844	Adjusting cone for bearing at bottom of	
PEMAB REMAB	2845	commutator shaft	.25
SEMAB		commutator shaft	.20
TEMAB ZEMAB		Balls for bearing at bottom of com-	01
BIMAB	R-4-598	mutator shafteach Screw bushing for vertical commutator	.01
CIMAB ·	_ •	snait	2.40
DIMAB. FIMAB	K-4-610 4545	Lock nut for screw bushing	.70 2.40
KIMAB	R-4-552	Cover for commutator gear	3.50
LIMAB	R-4-689	Cap screw for attaching aluminum sup-	
MIMAB PIMAB	R-4-706	Nut for cap screw (per doz., .50)each	.15 .05
RIMAB	4560	Gear guard, upper and lower, assembled	12.00
SIMAB TIMAB	4559 2786	Oil tube for gear guard at cam shaft:	.10
ZIMAB	4612	45° elbow for oil tube	.20
BOMAB	4010	45° elbow for oil tube	.15
COMAB DOMAB	4613 2790	50 CIDOW IOI OIL LUDG	.20 .10
FOMAB.		Connection for oil tube and grease cup.  Empress grease cup for gear guard	
KOMAB LOMAB	H-1613	(two)each Cap screw, short, for holding halves of	.35
MOMAB	11-1010	gear guard (three) (per doz., .50)	• • •
POMAB	TT	each	.05
ROMAB SOMAB	H-1713 4555	Nut for cap screw (per doz., 1.00) Cap screw, long, for holding halves of	.10
TOMAB		gear guard (two) (per doz., .50) each	.05
ZOMAB BUMAB	R-4-703	Nut for cap screw (per doz., .50)each	.05
CUMAB	H-1601	Cap screw, short, next to engine base (per doz., 1.00)each	.10
DUMAB	H-1713	Nut for cap screw	.15
FUMAB KUMAB	4589	Cap screw for attaching gear guard to	.10
LUMAB	• 1	engine base (per doz., 1.00)each Four point bearing complete, for lower	.10
MUMAB		end of governor shaft, comprising the	
PUMAB RUMAB	R-4-606	three following items Inside ring for four point bearing of	.60
SUMAB	_	governor shaft	.35
TUMAB	R-4-607	Outside upper ring for four point bear-	25
ZUMAB		ing of governor shaft	.35

Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

CODE			·
	D 4 600	Out to to the few to manufact home	
BAPAB CAPAB	R-4-608	Outside lower ring for four point bear-	.25
DAPAB	R-4-653	ing of governor shaft	.25
FAPAB	R-4-654	Shaft for governor arm, lower (long)	.20
KAPAB	R-4-442	Governor arm, upper (short) for con-	
LAPAB		trolling throttle	.55
MAPAB	R-4-441	Governor arm, lower (long) for control-	
PAPAB	75	ling governor	.70
RAPAB	R-4-443	Governor lever for bottom of governor	0.5
SAPAB	Dageo	End connection for upper throttle rod	.85
TAPAB ZAPAB	R-4-659	on upper governor arm	.30
BEPAB	R-4-640	Nut for end connection for upper	.50
CEPAB	2(-1-010	throttle rod (per doz., .25)each	.05
DEPAB	R-4-665	End connection for lower throttle rod	
FEPAB.		on governor arm, lower	.25
KEPAB	R-4-603	Lower throttle rod from governor arm,	
LEPAB.		long, to bottom of vertical spark shaft	.55
MEPAB	R-4-602	Upper throttle rod from governor arm,	
PEPAB	T) 4 000	short, to carburetor	.55
REPAB	R-4-662	Connection for commutator rod at com-	.30
SEPAB TEPAB	R-4-663	Screw for commutator rod connection	.50
ZEPAB	17-4-000	(per doz., .25)each	.05
BIPAB	R-4-664	End connection for commutator rod at	
CIPAB		commutator	.15
DIPAB	R-4-640	Nut for commutator rod end connection	
FIPAB		(per doz., .25)each	.05
KIPAB	R-4-604	Commutator rod from commutator to	
LIPAB		top of vertical spark shaft	.55
MIPAB		Commutator complete	10.00 3.00
PIPAB		Bronze center, for commutator, as-	3.00
RIPAB SIPAB		sembled with arm and roller	4.00
TIPAB		Bronze arm with roller for commutator.	1.00
ZIPAB		Roller for arm for commutator	.30
BOPAB		Spring for commutator bronze arm (per	
COPAB		doz., .50)each	.05
DOPAB	4.7		
FOPAB	***		
KOPAB.	C	ARBURETOR AND CONNECTIONS.	
LOPAB		<i>d</i>	00.00
MOPAB	DAFOE	Carburetor and connections complete\$	38.00
POPAB ROPAB	R-4-585	Mixer intake connection from top of mixer to valve chamber	6.00
SOPAB	,	Bolt and nut for mixer intake connection	0.00
TOPAD	* * •	(per doz., 50)each	.05
ZOPAB	•	Carburetor, complete	24.00
BUPAB	E- 1	Float chamber body	8.00
CUPAB	E-C- 2	Mixer chamber body	7.00
DUPAB	E- 4-A	Long needle bushing nut	.12
FUPAB	E- 6-A	Auxiliary air valve seat	.80
KUPAB LUPAB	E- 7-A E- 8-A	Auxiliary air valve disc	.32
MUPAB	E- 0-A	riunniary an varve spring (per doz., .30)	.05
PUPAB	E- 9-A	Auxiliary air valve guide screw	.40
RUPAB		Auxiliary air valve spring adjusting	
SUPAB		screw	.40
TUPAB	E- 11	Auxiliary air valve adjusting screw lock	
ZUPAB		nut	.12
D.	aura ta	nut voir name and motor number on	

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE				
WOKD				
BARAB	E-	12-A	Auxiliary air valve disc bushing	.08
CARAB	Ē-	13-A	Auxiliary air valve quide screw lock nut	.12
DARAB	Ē-C	-14	Auxiliary air valve guide screw lock nut Throttle rod	.24
FARAB	Ē-Č	-15	Throttle plate	1.00
KARAB	Ē-		Throttle rod screw (per doz., .50)each	.05
LARAB	E-C	, 10 TO	Throttle lover (per doz., .50)each	
MARAB		18	Throttle lever	.25
PARAB	E-	19	Throttle rod pin	.18
RARAB	E-	19	Throttle lever stop screw (per doz., .50)	۰
	T2		each	.05
SARAB	E-	20	Throttle lever stop screw nut	.08
TARAB	E-	21	Spray nozzle	.16
ZARAB	<u>E</u> -	24-A	Needle bushing	.24
BERAB	E-	22-A	Adjusting needle and pin for spray noz-	
CERAB			zle	.24
DERAB	E-	25 -	Needle packing nut	.08
FERAB	E-	26	Float chamber plug screw (per doz., .50)	
KERAB			each	.05
LERAB	E-	27	Float	1.00
MERAB	Ē-	39-A	Inlet elbow	1.00
PERAB		22-A	Primer lever	.24
RERAB		21-A	Primer	.24
SERAB	E-	29	Float layer	.32
	E-		Float lever	
TERAB	E-	30	Float lever pin (per doz., .25)each Float lever tube (per doz., .25)each	.05
ZERAB	. E-	31-A	Float lever tube (per doz., .25)each	.05
BIRAB	E-	32	Gasoline inlet needle guide cap	.20
	.X-C-	981	Gasoline inlet needle weight lock nut	.08
DIRAB		}	Gasoline inlet needle weight	.20
FIRAB	X-C-	·980 )	Gasoline inlet needle	.50
KIRAB	E-	36 ,	Gasoline inlet bushing	.20
LIRAB	E-	37	Gasoline inlet bushing packing nut	.20
MIRAB	. E-	38	Body screws for carburetoreach	.12
PIRAB	E-	41	Gasoline inlet needle guide cap top	.40
RIRAB	R-4-	466	Gasket for mixer (per doz., .50)each	.05
SIRAB	R-4-		Mixer connection tee	1.00
TIRAB	·		Mixer connection tee	.15
ZIRAB	R-4-	402	Mixer brass air tube, with two union	•
BORAB	74. I-	100	nuts, from heater pipe to bottom of	
			mixer	2.40
CORAB DORAB			Gasoline feed pipe with two union nuts.	1.00
	D' 4	080 )	Aluminum bester sine with set serous	1.00
FORAB	R-4-		Aluminum heater pipe with set screw	9 00
KORAB	R-4-		and nut	3.00
LORAB	R-4-		Throttle rod, upper	.55
MORAB			Throttle rod collar	.35
PORAB	R-4-	034	Clamp screw for throttle rod collar (per	
RORAB	ъ.		doz., .25)each	.05
SORAB	R-4-		Throttle rod spring (per doz., 1.00).each	.10
TORAB	R-4-		Collar and pin for mixer trunnion (per	
ZORAB	R-4-		doz., .25)	.05
BURAB	R-4-	495	Mixer trunnion	.15
CURAB			Mixer trunnion	
DURAB		•	Priming rod with handle and end\$	.50
FURAB	H-1	436	Priming rod only	.20
KURAB	H-1	434	Priming rod handle	.15
LURAB	H-1		Priming rod end or lever	.10
MURAB	H-1		Priming rod wire	.10
PURAB	H-1		Priming rod bracket	.30
RURAB	H-1		Spring for priming rod	.05
SURAB	H-1		Screws and nuts for bracket 3/4"x20	
TURAB	1		Spring for priming rod	.05
ZURAB			Arra many may traitment the traitment of	
LUMB				

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

		THE LIST OF PARTS.	
CODE			
WORL		Accelerator.	
BASAL			
CASAI DASAI		Accelerator complete including the five	
FASAE		IUIIUWIIIU DATIS	3.00
KASAI		* receive ator Dellar	2.00
LASAB		Accelerator pedal bracket Accelerator pedal bracket attaching nuts	.25
MASAI		ally DOILS (IWO) (ner doz 50) andle	0.5
PASAB		I III IUI accelerator negal bracket and	.05
RASAB		Cotter bins	.05
SASAB TASAB		received of rod, complete including the	.09
ZASAB		CIRUL IOHOWING naite	1.10
BESAB		riccelerator rod only	.55
CESAB		Accelerator rod yoke	.20
DESAB		Accelerator rod collar	.35
FESAB		ceach	۸.
KESAB		Spring for accelerator rod	.05 .10
LESAB	R-4-658	Support for accelerator rod	.30
MESAB	•	Accelerator rod yoke nut (per doz., 50)	.00
PESAB RESAB	LI orm	••••••••••••••••••••••••••••••••••••••	.05
SESAB	H- 857	Pin for accelerator rod yoke	.05
TESAB	1.1		
ZESAB		PUMP,	
BISAB		Pump complete, comprising the twenty	
CISAB		following items\$	00.00
DISAB	R-5-119	Pump body	20.00 6.00
FISAB KISAB	R-4-334	Pump body Screw for pump body Pump driving sheft	.10
LISAB	R-4-485	- ump driving Shall	.60
MISAB	R-4-349	Mey for pump driving shaft (two) (ner	
PISAB	R-4-482	QOZ., .50) ·	.05
RISAB	R-4-488	Inside driving gear for water pump	3.00
SISAB	R-4-489	Bushing for pump shaft	.40
TISAB	R-4-486	Bushing for pump gland	.24
ZISAB	R-5- 39	Outside driving gear for water numb	.55 1.60
BOSAB	R-4-484	Shall for bumb driven dear	.24
COSAB DOSAB	R-4-483	ruside driven gear for humn.	3.00
FOSAB	R-5-120 R-4-487: ~	rump cover	6.00
KOSAB	R-4-372	Dusining for Dumn driven gear	.40
LOSAB	10-2-012	38"x16 hex. nuts for pump cover (two)	
MOSAB	R-4-674	(per doz., .50)each Stud for attaching pump (two)each	.05
POSAB	R-4-549	Cover for pump gear	.10
ROSAB		Dult and nut for attaching numb gear	2.50
SOSAB TOSAB	D 4 000	cover (two)	.10
ZOSAB	R-4-382	Grease cup for pump	.60
BUSAB	R-4-381	Spring for grease cup (per doz., 50)	
CUSAB	R-4-380	Check hall for graneseach	.05
DUSAB	R-4-562	Check ball for grease cup	.03
FUSAB	R-4-561	Connection from number redictor ( )	.55
KUSAB		Water tube for cylinder outlet on top of	.55
LUSAB		Cyllidel Willi Infee tees and alborr	3.00
MUSAB PUSAB		Water tube for cylinder inlet at hostom	3,00
	R-5-117	Of Cylinder with three tees and albour	3.00
SUSAB	77-0-111	ripples for cylinder inlet and outlet	
TUSAB	R-5-116	Union nuts for cylinder inlet and outlet	.40
ZUSAB		pipeseach	1.00
			1.00
Be	sure to p	out your name and motor number on	

it your name and motor number on

parts returned and PREPAY CHARGES.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE	-			
WORD			LUBRICATOR.	
BATAB			Lubricator assembled complete\$	30.00
CATAB	H-	50	Lubricator body	12.00
DATAB FATAB			Lubricator cover complete assembled, comprising the twenty-six following	
KATAB			parts	16.00
LATAB	H-	51	Lubricator cover with long and short.	
MATAB	ъ.	•••	shaft bushings and filler bushing	5.00
PATAB RATAB	R-4-	338	Lubricator cover screws and nuts for attaching cover to body (six) (per	•
SATAB			doz., .25)each	.05
TATAB	H-1	618	Lubricator cover screws and nuts for	
ZATAB			attaching cover to pump cylinder body (four) (per doz., .25)each Pump cylinder for lubricator	. 05
BETAB CETAB	H-	57	Pump cylinder for lubricator	.05 1.00
DETAB	H-	58	Elbow for lubricator pump cylinder	.40
FETAB			Tube for lubricator pump cylinder elbow	.10
KETAB	H-	60	Plunger for lubricator pump cylinder	.10
LETAB	H-	74	Plunger spring for lubricator pump	.10
METAB PETAB	H-	61	cylinder	.10
RETAB		0.2	der plunger	.20
SETAB	H-1		1/4" steel ball for lubricator	.01
TETAB	H-	63 76	Stop screw for lubricator cover stop screw	.40 .10
ZETAB BITAB	H- H-	64	Threaded bushing for stop screw for	.10
CITAB		••	lubricator	.40
DITAB	H-	69	Stop with button for lubricator cover	.30
FITAB KITAB	·H- •H-	$\begin{array}{c} 71 \\ 72 \end{array}$	Pin for lubricator	.10
LITAB	Ĥ-	77	Pin for lubricator	
MITAB	**		. doz., .25)	.05
PITAB RITAB	H- H-	62 70 ·	Filler bushing for lubricator cover Shaft for lubricator	.30 .60
SITAB	11-	.10	Lubricator cam shaft with cam	1.70
TITAB	H-	66	Bushing for lubricator shaft, short	.40
ZITAB	Ĥ-	67	Bushing for lubricator shaft, long	.50
BOTAB COTAB	H- H-	68 52	Cam for lubricator shaft	.25 1,40
DOTAB	H-	54	Bushing for lubricator rocker arm	.40
FOTAB	H-	55	Clutch washer for lubricator rocker arm	.15
KOTAB	H-	56	Clutch body for lubricator rocker arm.	3.00
LOTAB MOTAB	H-	65	Rollers for clutch body for lubricator rocker arm (twelve) (per doz., .25)	
POTAB			each	.05
ROTAB	H-	69	Push-button for lubricator	.30
SOTAB	H-	74	Springs for clutch body for lubricator	. 40
TOTAB ZOTAB			rocker arm (six)each Stand pipe for lubricator, complete	.10 2.00
BUTAB	H-	84	Body for lubricator stand pipe	1.10
CUTAB	H	86	Cap for lubricator stand pipe	.50
DUTAB	H-	79	Plug for lubricator stand pipe	.25
FUTAB KUTAB	H-	81	Gasket for lubricator stand pipe (two)	.05
LUTAB	H-	78	(per doz., .50)each Nut for lubricator stand pipe	20
MUTAB	Н-	82	Glass for lubricator stand pipe	.25
PUTAB	. H-	83	Washer for lubricator stand pipe glass	ΛE
RUTAB SUTAB	H-	85	(two) (per doz., .25)each Gauze for lubricator stand pipe	.05 .30
TUTAB	H-	87	Collars for lubricator stand pipe gauze.	.25
ZUTAB	H-	71	Stop for lubricator	.15
				4-

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

	CADILL.	AC MODEL H PRICE LIST OF PARTS.	
CODE WORD		,	:
BAZAB			
CAZAB	H- 73 H- 75	Spring for lubricator clutch body	.05
DAZAB	H- 75 H- 53	Dan ioi innficator	.05
FAZAB	11 00	valve stell alili for attaching litheicator	
KAZAB	H- 59	rocker arm to valve rod. Cap for attaching lubricator	.80
LAZAB MAZAB		Don's and huls for attaching hibridator	.50
PAZAB	R-4-326	cap (two)	.10
RAZAB	10-1-020	Der seiem alla elleck mit for inheignen	-
SAZAB		attaching cap	.15
TAZAB ZAZAB ·		union nuts	60
BEZAB.		Cabilcator pipe to sight feed gange with	00
CEZAB		union nuts	.60
DEZAB		• • • • • • • • • • • • • • • • • • •	
FEZAB		Lubricator Sight Feed on Dash.	
KEZAB LEZAB	TT 404	Sight feed on dash, complete\$ Body for sight feed on dash	3.60
MEZAB	H- 484 H- 485	Body for sight feed on dash	1.25
PEZAB	H- 489		.60
REZAB	H- 490	Doctor bing to slaut teed Poda	.15
SEZAB	H- 492	Top plug for sight feed.  Glass for sight feed.  Nozzle for sight feed.	
TEZAB	H- 493		.30
ZEZAB BIZAB	H- 491	VOIR WASHELS TOP SIGHT TEEN	.10 .05
CIZAB	H- 494 H- 486	Cad Washels IOI SIPHT TEEN Anah	.05
DIZAB	H- 487	Divince lianges for sight teed (two) cook	.10
FIZAB .	Ĥ- 488	Nut for attaching sight feed (two).each	.15
KIZAB	H-1209	Elbow for sight feed	.30
LIZAB	H-1210	74 Dalls for sight teed elhow anch	.15
MIZAB PIZAB	H-1204	Check nut for sight feed elbow	.01 .20
RIZAB	H-1208 H-1206	TIUE TOT SIGHT TEED CHACK VALUE	.10
SIZAB	11-1200	Cup end for sight feed check valve	.20
TIZAB			<b>:</b>
ZIZAB			
BOZAB	,	TRANSMISSION.	
COZAB DOZAB			
FOZAB		Transmission complete, including groups	
KOZAB		a, b, c, q and e	250.00
LOZAB	•	Intermediate friction drum with inter- mediate gear and intermediate friction	1. 1.
MOZAB		drum bushing	15.00
POZAB ROZAB			15.00
SOZAB	•	inclion drum bushing low speed	•
TOZAB		member and gear case bushing	18.00
ZOZAB		-	•.
BUZAB		(a) Gear Case.	
CUZAB		Gear case, assembled with pins, gears	
DUZAB FUZAB		ally pushings comprising the five	
KUZAB		IOHOWING Hems	88.00
LUZAB	•	Gear case with six pins Intermediate gears with bushings, in-	18.00
MUZAB		cluding the two following items	
PUZAB		o lonowing items	50.00
RUZAB SUZAB		Change speed assembly of two 30-tooth	JU.JU
TUZAB		gears, one 42-tooth gear with hish.	
ZUZAB		ing and six pins (three set used)	
_	•		12.00
Red	Slire to +	NIA TIONE MORE AND A	

CODE WORD			
BABED	R-5- 61	Reversing gear with bushing (three	
CABED	.5	used)each	4.00
DABED	R-4- 48	Internal gear with bushings	18.00
FABED	R-4-367	Gear case cover with bushing, oil tube	
KABED	<b>5</b>	and plug	15.00
LABED MABED	R-4-681	Gear case cover screws (eighteen) (per	
PABED	R-5-107	doz., .50)each Thrust washer for internal gear (smooth	.05
RABED	10-5-101	steel washer with small hole)	.80
SABED	R-5-108	Thrust washer for internal gear (steel	.00
TABED	_	with oil grooves)	.40
ZABED	R-5-109	inrust washer for internal gear (thin	
BEBED		bronze washer) (two)each	.30
CEBED DEBED		Pins for gear caseeach	.20
FEBED			
KEBED		Model "H" Transmission Bushings.	!
LEBED	R-4- 54	Gear case cover bushing\$	2.00
MEBED	R-4-155	Intermediate gear bushing, rear	1.00
PEBED	R-4-156	Intermediate gear bushing, front	1.00
REBED	R-5- 53 R-4- 55	Intermediate speed gear bushing	2.00
SEBED TEBED	R-4- 55 R-5- 56	Change appeal good bushing	2.00
ZEBED	10-3- 30	Change speed gear bushings (three)	1.00
BIBED	R-5- 57	Reverse gear bushings (three)each	.80
CIBED	R-4- 52	Gear case bushing	1.50
DIBED.			
FIBED		(b) Friction Disc.	
KIBED			
LIBED MIBED		Friction disc, complete, including the	4400
PIBED	R-4-510	" three following items Disc, only	14.00 4.00
RIBED	76-7-010	High speed clutch disc	12.00
SIBED	R-5-151	Thrust washer for high speed disc	1.20
TIBED	R-4-475	Spring for high speed clutch	.15
ZIBED	R-4-511	Friction disc plates with leathers and	
BOBED		rivets, four always sent (per set of	
COBED DOBED	R-4-207	four)	8.00
FOBED	R-4-416	Leathers and rivets (16 to set)each' Screws for friction disc plateseach	.20 .10
KOBED		viscons for metron disc plateseach	.10
LOBED	•	(a) High Smart Clutch	4
MOBED		(c) High Speed Clutch.	
POBED	•	High speed clutch, complete, compris-	
ROBED SOBED	R-4- 72	ing the eight following items	10.00
TOBED	17-4- 10	Clutch rings for high speed clutch (two)each 34" balls for high speed clutch rings	2.50
ZOBED	R-4-198	34" balls for high speed clutch rings	.2.30
BUBED	_	(10 in each)each	.10
CUBED	R-4-180	Adjusting nut for high speed clutch	2.00
DUBED	R-5-179	Adjusting collar for high speed clutch	3,00
FUBED KUBED	R-5-185	Locks for set screws for high speed ad-	
LUBED	R-5-181	justing collar (four)each Long screws for high speed adjusting	.10
MUBED	70-101	nut (two) each	.40
PUBED	R-5-182	Short screws for high speed admisting	.10
RUBED		nut (two)each	.40
SUBED		Grease cup for high speed clutch rings	
TUBED		·····each	.35
ZUBED			

Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

	TO MODEL IT PRICE LIST OF PARTS.	
CODE		<del> </del>
WORD	(d) Main Clutch.	
BAFED	Main clutch, complete, includes seven following items	
CAFED DAFED R-4- 75	following items	18.00
FAFED R-5-154	Adjusting nut for main clutch	1.60
KAFED R-4-152	Infust washer	6.00 1.00
LAFED R-4-149	Inflist Washer for main clutch 3/4"	2.00
MAFED R-4-150 PAFED R-4- 71	3/10 Infust Washer for main clutch	2.00
RAFED R-4-198	Clutch rings for main clutch (two).each 34" balls for main clutch rings (10 in	2.50
SAFED	cath)	.15
TAFED	Ultase cub for main clutch ringe each	.13
ZAFED BEFED	Maill Clutch inner and outer disc assem-	
CEFED R-4- 70	bled with springs and cups	40.00
DEFED	rivers	10.00
FEFED R-4- 69 KEFED	main clutch hiller disc with leathers and	18.00
LEFED R-4-207	rivets	18.00
MEFED R-4-317	Rivets for main clutch discseach	.30
PEFED	per set of 96	.40
REFED R-4-174 SEFED	Springs for main clutch discs (eight)  Spring cups for main clutch discs (six-	•••
TEFED R-4-178	Spring cups for main clutch diag (city	.15
ZEFED	ICCIII a	.15
BIFED R-5- 71	Nul IOI main chirch driver	1.50
CIFED 2825 DIFED	ocrews for main chitch nut (touch (man	
FIFED 2824	doz25)	.05
KIFED		.10
LIFED H- 556 MIFED H- 557	LOG for main clutch release wight	2.00
PIFED H- 558	POR IOI IIIAIII CIIIICII TRIPASA IAIT	2.00
RIFED	Toggle for main clutch	3.00
SIFED	(a) Transmission Class	
TIFED ZIFED	(e) Transmission Shaft.	
BOFED	Transmission shaft, complete, including the eight following items	
COFED R-5- 66	Transmission shaft	30.00
DOFED R-5- 58	Driving gear on transmission shaft	12.00 4.00
FOFED R-4-298 KOFED	Fin for driving gear (per doz., 1.00)	
LOFED R-5- 74	Driver for high speed clutcheach	.10
MOFED R-5- 73	Diver for main chitch	7.50 6.50
POFED R-5-235	ACYS FOR TRANSMISSION shaft (two) each	.15
ROFED R-4-700 SOFED	% CHECK BILL FOR transmission chaft	
TOFED	(two) (per doz., .50)  Pin for main clutch driver (per doz.,	.05
ZOFED	.50)	.05
BUFED CUFED		.0.5
DUFED	Transmission Girder.	
FUFED	Transmission wirder assembled, includ-	
KUFED	ing the ten following items	14.00
LUFED R-4- 90' MUFED R-4- 89	Girder Only with end can and stude	10.00
PUFED R-4-89	Set screw for end cap of transmission	1.20
RUFED	girder	.15
SUFED R-4-373	girder	.1.0
TUFED ZUFED	.50)each	.05 ·
**	1.	

CODE . WORD .			
	n		
BAHED	R-4- 91	Center cap for transmission girder	3.00
CAHED	R-4-333	Cap screws for transmission girder cen-	
DAHED	:	ter cap (two)each	.15
FAHED		Washers for transmission girder center	
KAHED		cap (two)each	.05
LAHED	R-4-272	Studs for transmission girder (two)	
MAHED		each	.15
PAHED	R-4-368	Hex. nuts for transmission girder studs	
RAHED		(two) (per doz., .50)each	.05
SAHED	R-4-369	1/2" Columbia lock nuts for transmission	
TAHED		girder (two) (per doz., .50)each	.05
ZAHED	R-4-197 -	Hess-Bright bearing (No. 212) for trans-	
BEHED	•	mission girder	14.50
CEHED			
DEHED			
<b>FEHED</b>		Transmission Brake Bands.	
KEHED		Transmission Diane Danes.	
LEHED		Transmission brake bands complete as-	
<b>MEHED</b>	•	sembled with plate\$	20.00
PEHED		Reverse transmission brake band with	•
REHED		leathers, fibres, rivets and end clips.	6.00
SEHED	R-4-264	leathers, fibres, rivets and end clips. Fibres with rivets for reverse brake	
TEHED		bandeach	.15
ZEHED	R-4-263	Leathers with rivets for reverse brake	
BIHED		bandeach	.15
CIHED	R-4-100	Upper clip for reverse transmission	
DIHED		brake band	1.20
FIHED	R-4-101	Lower clip for reverse transmission	A 4
KIHED	7	brake band	.60
LIHED	•	Lever with roll for reverse brake band.	1.80
MIHED	R-4- 97	Lever only for reverse brake band	2.00
PIHED		Pin for reverse brake band lever	.05
RIHED		Slow speed transmission brake band with	
SIHED		leathers, fibres, rivets and clips	6.00
TIHED	R-4-264	Fibres with rivets for slow speed brake	
ZIHED		bandeach	.15
BOHED.	R-4-263	bandeach Leathers with rivets for slow speed	
COHED		brakeeach	.15
DOHED	R-4-100	Upper clip for slow speed brake band	1.20
FOHED	R-4-101	Lower clip for slow speed brake band.	.60
KOHED		Lever with roll for slow speed brake	
LOHED		band	1.80
MOHED	R-4- 97	Lever only with slow speed brake band.	2.00
POHED		Pin for slow speed brake band lever	.05
ROHED	•	Intermediate transmission brake band	· .
SOHED		with leathers, fibres, rivets and clips	6.00
TOHED	R-4-264	Fibres with rivets for intermediate brake	
ZOHED		band each	15
BUHED	R-4-263	Leathers with rivets for intermediate	
CUHED		bandeach	.15
DUHED	R-4-100	Upper clip for intermediate brake band	1.20
<b>FUHED</b>	R-4-101	Lower clip for intermediate brake band	.60
KUHED	. •	Lever with roll for intermediate brake	
LUHED		band	1.80
MUHED	R-4- 97	Lever, only for intermediate brake band	2.00
PUHED		Pin for intermediate brake band lever	.05
RUHED	R-4-258	Transmission brake band plate	1.40
SUHED	R-4- 42	Rolls for brake band leverseach	.50
TUHED	R-4- 99	Bell cranks for adjusting brake bands	
ZUHED	/	(three)each	1.40

Order Parts by serial part number and name in full.

Give number of motor.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE WORD			
BAKED	R-4-329	Set screw and lock nut for bell crank	.15
CAKED DAKED	R-4-260	Separator for bell cranks, large, 21/8"	.15
FAKED	R-4-261	Separator for bell cranks, medium, 11/4"	
KAKED LAKED	R-4-262	long	.15
MAKED PAKED	R-4-175	Shaft for bell cranks	.10 .25
RAKED SAKED	R-4- 84.	Eyebolt for adjusting brake band (three)each	1.20
TAKED	•	Pin and cotter for brake band adjust-	
ZAKED BEKED		ing eyebolt (per doz., .50)each Nut and lock nut for brake band ad-	.05
CEKED DEKED	•	justing eyebolt (per doz., .50)each Washer for brake band adjusting eye-	.10
FEKED KEKED	R-4-255	bolt (per doz., .50)each Spring for adjusting brake band	.05 .10
LEKED	R-4- 98 :	High speed clutch bell crank	2.40
MEKED PEKED	R-4- 42 R-4-300	Roll for high speed bell crank Pin for high speed bell crank roll	.30
REKED SEKED	R-4- 85	Hirh speed rull rod	1.40
TEKED ZEKED		(per doz., .50) each Spring for high speed pull rod	.05 .20
BIKED		High speed hold back rod with adjust-	
CIKED DIKED	R-4- 86	able yoke pin and cotter High speed hold back rod only	.60 1.20
FIKED KIKED	R-4- 87	Adjustable yoke with pin and cotter for high speed hold back rod	1.20
LIKED MIKED	1000	Muffler Connections.	
PIKED	H- 716 H-1603	Header for muffler exhaust pipe\$ Bolt and nut for muffler exhaust pipe	2.00
RIKED SIKED		header, %"x21/8"each	:15
TIKED ZIKED	H-1604	Bolt and nut for muffler exhaust pipe header, \%"x2\%"each Exhaust pipe for muffler, front, from	.20 .
BOKED	H- 718	Exhaust pipe for muffler, front, from valve chamber to exhaust header	.40
DOKED FOKED	H- 719	Exhaust pipe to muffler, middle, from valve chamber to exhaust header	.40
KOKED	H- 717	Exhaust pipe for muffler, rear, from	
LOKED MOKED	H- 724	valve chamber to exhaust header Exhaust pipe leading from exhaust head-	.80
POKED ROKED	H- 715	er to left muffler  Nozzle connecting exhaust pipe to muf-	.60
SOKED TOKED	H-1610	fler  Bolt and nut for exhaust pipe nozzle	1.40 .05
ZOKED BUKED	R-4-110	Plug for exhaust pipe nozzle Exhaust connection, front, for connect-	.05
CUKED	10-4-110	ing front exhaust pipe to valve	
DUKED FUKED	R-4-112	Exhaust connection, center, for connect-	1.20
KUKED LUKED		ing center exhaust pipe to valve chamber	1.60
MUKED PUKED	R-4-481	Exhaust connection, rear, for connecting rear exhaust pipe to valve cham-	
RUKED	R-4-463	ber	1.00
TUKED		to a set)	.16
ZUKED	R-4-464	Gasket for front and rear exhaust con-	
		nection (2 to a set)	.16

CODE			
WORD		Starting Device.	
BALED CALED		Strutium amoult assemble	
DALED	H- 406	Starting crank, complete\$	
FALED	H- 407	Starting crank only	3.00
KALED	H- 408	Pin for starting crank handle	.60 .20
LALED	H- 405	Shaft for starting crank	1.20
MALED	H- 411	Starting shall box	1.20
PALED	H- 412	Bushing for starting crank	.40
RALED	H- 414	Bushing for starting crank	2.00
SALED	H- 417	Starting crank ratchet	1.75
TALED	H- 416	Spring for starting crank	.10
ZALED	H- 415	Pad for starting crank shaft	.05
BELED			
CELED			
DELED		Engine Shield.	
FELED KELED		Finning shield complete (six pieces) &	.02.00
LELED	4516	Engine shield, complete (six pieces)\$ Engine shield, large piece, front, for	25.00
MELED	-00	under motor, with four fasteners	7.00
PELED	4517	Engine shield, large piece, rear, under	1.00
RELED		fly wheel with six fasteners	10.00
SELED	4520	Engine shield, small piece, right side.	
TELED		front, with spring clamps	2.00
ZELED	4521	front, with spring clamps Engine shield, small piece, right side,	
BILED		rear, with spring clamps Engine shield, small piece, left side,	2.00
CILED	4522	Engine shield small piece, left side,	. '
DILED	4500	nont, with soring clambs	2.00
FILED	4523	Eligine shield, small piece, left side.	
KILED		rear, with spring clamps	2.00
LILED MILED	H-1376	Engine shield fastener, complete Engine shield bracket	1.00
PILED	H-1382	Pin for engine shield bracket	.15 .05
RILED	H-1378	Shell and yoke for engine shield fast-	.03
SILED	H-1380	J ener	1.20
TILED	H-1375	Spring for engine shield hook	.15
ZILED	H-1377	Hook for engine shield fastener	.20
BOLED.	s.		
COLED.	•		
DOLED			
FOLED		FRAME.	* \ \
KOLED			
LOLED	H-1379	Catch for engine shield hook	.10
MOLED POLED	H-1381	Washer for engine shield hook	.10
ROLED	H-1380 H-1378	Shell for spring for engine shield hook	.80
SOLED	77-7010	Yoke for engine shield hook	.35
TOLED		cluding all parts riveted to it	150.00
ZOLED	H- 101	Frame, complete, less springs, but in- cluding all parts riveted to it\$ Main side bar, right	20.00
BULED	H- 102	Main side bar, left	20.00
CULED	H- 103	Kear end cross member	8.00
DULED	H- 105	Cross member for front end of rear	
FULED	TT	Spring	4.00
KULED	H- 106	Cross member for front engine support	6.00
LULED	H- 107	Cross member for rear engine support.	6.00
MULED	H- 109	Reinforcement plate for rear engine's	
PULED RULED	H- 124	support, left	5.00
SULED	*1- 102	support right	* ^^
TULED	H- 122	support, right	5.00
ZULED	H- 121	Cross member for front end of strut rod	8.00 3.00
		mont in	5.00

Order Parts by serial part number and name in full.
Give number of motor.
Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

CODE WORD			
		n 1	
BAMED	H- 123	Rear end cross member at extreme end	4.00 .
CAMED		of frame	
DAMED	H- 117	for H-103, right or left	.75
FAMED	77	Left front brace for rear spring cross	
KAMED	H- 113 '	member (two)each	.40
LAMED	TT	Right front brace for rear spring cross	•
MAMED	11- 114	momber (two) each	.40
PAMED	TT .448	member (two)each Left rear brace for rear spring cross	
RAMED	H- 115	member	.40
SAMED	II 116	Right rear brace for rear spring cross	
TAMED	H- 116	member	~.40 ·
ZAMED	H- 125	Trame cross brace (two)	.60
BEMED	H- 134	Front spring bracket for frame, right	
CEMED DEMED	11- 101	or left	1.50
FEMED	H- 150	or left	2.50
KEMED	H- 151	Rear spring front Dracket, lell	2.50
LEMED	H- 152	HEANT ANGINE SHIMOTI MIALNEL HERICOCO	2.50
MEMED	H-1609	Front engine support bracket bolt and	
PEMED	11 1000	7111	.10
REMED	H- 153	Front engine support bracket, lett	2.50
SEMED	H- 154	Rear engine support bracket, right	2.00
TEMED	H- 155	Rear engine support bracket, lett	2.00
ZEMED .	H- 156	Coming hanger rear fight	2.00
BIMED	H- 157	Spring hanger, rear, lett	2.00
CIMED	H- 158	Frame front outrigger, right	2.00
DIMED	H- 159	Frame tront Outrigger, lell	2.00
FIMED	H- 160	Reacket for foot Degal Tocker Shair	4.00
KIMED	•	(two)eacn	1.00 2.00
LIMED	H-1250	(two)each Fender iron brackets, front (four) each	
MIMED	.4567	RESCRET TEST INFIRST TENUEL NON (INO)	.60
PIMED	4566	Bracket, front, for rear fender iron	.60
RIMED	1	(two)	1.60
SIMED	H- 290	Strut rod bracket	.60
TIMED	4540	Tail lamp bracket	1.40
ZIMED	H-1267	Side step, upper, right	1.40
BOMED	H-1267	Running board hanger	3.50
COMED	H-1129	Can benefict left	.20
DOMED	H-1270	Step bracket, left	.20
FOMED	H-1271	Product for lamp holders, right	2.00
KOMED		Bracket for lamp holders, left	2.00
LOMED		Brass forked lamp holder, right	6.00
MOMED		Brass forked lamp holder, left	6.00
POMED		Diass formed samp many	•
ROMED			
SOMED		Springs.	
TOMED		Front spring, right\$	12.00
ZOMED		Front spring, left	12.00
BUMED		Front spring, left	.25
DUMED		Rubber buffer for front SDIII &	.70
FUMED		Front spring clip	.40
KUMEL		Front spring clip nutseach	.05
LUMED		Front outrigger bolt	.15
MUMEI	D H- 689	Front outrigger bolt	.20
PUMED		Locating plate for Iront Spring	.05
RUMEI		Front coring chackle	1.00
SUMED		Pin for front spring shackle	.25
TUMEI		Washer for front spring snackle	.05
ZUMEI		Oiler for spring shackle	.10
	 To	a mut wour name and motor number on	

		THOSE EIST OF PARTS.	
CODE			<del></del>
WOR			
BAPE	D H- 695	Spring parch plate to t	•
CAPE	D H- 696	Spring perch plate for front spring	.15
DAPE		Front spring perch block	.05
FAPE	D H- 673	Rear spring, right, including top half Rear spring, left, including top half Rubber buffer helder for	18.00
KAPE		Publication left, including top half	18.00
LAPE			.25
MAPE		- doct build for fear shring	70
PAPE			.15
RAPE	000	rear Spring Cim	.40
SAPE	==00		.05
			.50
TAPEI	. == -+++	Nuts for rear spring top half clip Bolt for rear spring hanger	.05
ZAPEI		Bolt for rear spring hanger	
BEPEI		Screw and lock nut 5/8" for rear spring hanger	.20
CEPEL		hanger	
DEPEL	4501	Screw and lock nut 3/" son "	.30
FEPED		hanger Screw lock nut for rear spring hanger. Rear spring location electrons hanger.	
KEPEL	4500	Screw lock nut for rear coming to	.30
LEPED	H- 691	Rear spring locating class	.15
MEPEI		Rear spring locating plate	05
PEPED	r et a e	Upper half, rear spring	6.00
REPED			
SEPED			100
TEPED		CAGOT TATE OFFI	e de la
ZEPED	, , , , , , , , , , , , , , , , , , ,	GASOLINE SYSTEM.	
BIPED			
CIPED		Gasoline and emergency tank, complete.\$	36.00
DIPED		Casonile Storage tank complete compris	
FIPED	T.T	' III IIIC SEVER IOHOWING narte	22.00
KIPED	H- 447		.40
	H- 448	inici cap for gasoline storage tank	.40
LIPED	H- 421	Settling chamber for gasoline storage	.40
MIPED		tally	1 00
PIPED		Plant Plug for Pasoline Storage tank cet.	1.00
RIPED		ching chamber	0.5
SIPED	H-1411	Bracket for three way valve on gasoline storage tank	.05
CIPED		storage tank	
LIPED	•	Dorr and this for account to the street	.75
3OPED		way valve bracket	
<b>XOPED</b>	H- 434	Feed connection on gasoline storage	.05
OPED		tank	t Programme
OPED		Gasoline emergency tank, complete,	.35
COPED	1. · · · · · · · · · · · · · · · · · · ·	comprising the form fall, complete,	• •
OPED	H447	comprising the four following parts.	8.00
OPED	H- 448	Filler for gasoline emergency tank	.40
OPED	H- 420	cap tot kasonine emergency table	.40
OPED	,	2. P connection for gasoline emergency	
OPED		tank	.40
OPED		- 'us 'vi gasoline emergency tool dein	
OPED	H- 433	connection	.05
UPED	-1 200	- ced connection for gasoline emergency	
UPED		talik , , , , , , , , , , , , , , , , , , ,	.50
UPED		Site Strap for gasoline tanks with aline	
UPED	Ter and	supports, study and nuts.	1.50
UPED	H- 445	CID IOF PASOINE tank steel steen	.75
UPED	H- 441	Stud for pasoline tone clies	.20
	H- 438	~~PP~ i ioi gasoline lanke	.25
UPED	H- 437		.20
UPED	H- 422	Union hut for gasoline nine	
UPED	H- 423		.40 ,
JPED			0=
JPED			.05
JPED	H-1413	Gasoline transfer pipe with union nuts.	1.00
0-4-	- D		.50

Read Instructions before ordering.
'he telegraph code key-word for this book is HARMONY.

CODE		
WORD		
BARED	Three way valve, complete, for gasoline	•
CARED	tank, comprising the six following	
DARED	parts	
FARED	H-1407 Body for three way valve on gasoline	
KARED	tank	
LARED	Thrust washer for gasoline tank valve	
MARED	H-1418 Key for gasoline tank valve	
PARED	H-1418 Body and key for three way valve on	
RARED	H-1407 S gasoline tank	
SARED	H-1408 Cap for three way valve body on gas-	
TARED	oline tank	
ZARED .	H-1409 Gate for three way valve body on gas-	
BERED	oline tank	٠
CERED	H-1416 End screw for three way valve key (per	
DERED	doz., 25)each	
FERED	H-1417. Thrust washer for three way valve key	
KERED	(per doz., 25)each	٠.
LERED	H-1419 Gasket for strainer and settling cham-	
MERED.	ber	
PERED	H-1401 Stem with pin for gasoline tank three	
RERED	way valve	
SERED	H-1402 Thrust collar for gasoline tank three	-
TERED	way valve	
ZERED	H-1404 Gland for gasoline tank three way valve H-1406 Lock nut for gasoline tank three way	
BIRED	H-1406 Lock nut for gasoline tank three way	•
CIRED	valve gland	
DIRED .	H-1403 Shank for gasoline tank three way valve	
FIRED	H-1405 Handle for gasoline tank three way	
KIRED	valve shank	
LIRED	H-1420 Strainer barrel for strainer and settling	
MIRED	chamber	
PIRED		
RIRED	chamber	
SIRED	H-436 Strap for storage tank	
TIRED	H-1412 Running tank connecting tube H-1414 Gasket for gasoline tank valve barrel	
ZIRED	H-1414 Gasket for gasoline tank valve barrel	٠
BORED	H-1415 Gasket for gasoline tank valve barrel	
CORED		
DORED	cup	-
FORED		٠,
KORED		•
LORED		
MORED	Aud	
PORED		
RORED		. '
SORED		
TORED		
ZORED		
ZORED BURED		
ZORED BURED CURED		
ZORED BURED CURED DURED		
ZORED BURED CURED DURED FURED		
ZORED BURED CURED DURED FURED KURED		
ZORED BURED CURED DURED FURED KURED LURED		
ZORED BURED CURED DURED FURED KURED LURED MURED		
ZORED BURED CURED DURED FURED KURED LURED MURED PURED		
ZORED BURED CURED DURED FURED KURED LURED MURED PURED RURED		
ZORED BURED CURED DURED FURED KURED LURED MURED PURED RURED SURED		
ZORED BURED CURED DURED FURED KURED LURED MURED PURED RURED		

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE		
CODE		
WORD .	SPLITDORF SPARK COIL.	
BASED		
DASED	We will sell complete Spark Coils	
CASED		
DASED	and parts at the prices quoted in this list, but we do not repair	
FASED	list, but we do not repair or replace	
KASED		
	When they are to be repaired an are	
LASED	Proced, you milest take the mast	
MASED	with the manufacturers, viz., C. F. Split-	
PASED	dorf No 18 Walters, VIZ., C. F. Split-	
RASED	dorf, No. 17, Vandewater St., New York City.	
	City.	
SASED	When ordering Sports Call	
TASED	sketch of part wanted.  Spark coil complete with switch	
ZASED	Spark coil complete	
BESED	Splitdon complete with switch	50.00
CESED		.10
DESED		.16
DESED		
FESED	Bogert contact spring, platinum point.	1.50
KESED	Bogert homes spring, platinum point	1.00
LESED		.10
	Insulating cap for secondary terminal.	
MESED	Vibrator stop	.10
PESED	Vibrator stop Contact spring attaching screw Top nut for binding post, knurled Round knurled nut	.05
RESED	Top nut for hinding screw	.05
SESED	Pound land post, knurled	.05
TESED '	Round knurled nut	.05
TEGED		
ZESED		.05
BISED	Copper washer	.02
CISED	Cover latch localing	.06
DISED		.05
FISED		5.00
KISED	Unit base	6.00
LISED	Unit base Complete unit	1.50
MISED.	complete timt	10.00
	T) •	_0.00
PISED	Primary Wiring.	
RISED	• Commutator wires (four)	₩.
SISED	• Commutator wires (four)each	.50
TISED .	Switch wire	.50
	Ground wire	.50
ZISED		.50
BOSED	Secondary Wiring.	2
COSED	No 1 mine 4	
DOSED	No. 1 wire to cylinder No. 1	.25
FOSED	No. 2 wire to cylinder No. 2	
	No. 3 wire to cylinder No. 2	.25
COSED	No. 4 wire to cylinder No.	.25
JOSED	No. 1 wire to cylinder No. 1  No. 2 wire to cylinder No. 2  No. 3 wire to cylinder No. 3  No. 4 wire to cylinder No. 4  Cylinders are numbered from from	.25
MOSED		
MODEL **		
10000	Bushing for secondary wire	
	Nut for bushing for secondamy	.30
OSED	Nut for bushing for secondary wire	
OSED	bushing	15
OSED		
USED	WITHERBEE BATTERY PARTS.	
	MALLERY PARTS.	
USED	We will sell Witherbee Batteries, and	
USED	parts thereof at prices batteries, and	
USED	parts thereof, at prices quoted below, but	
USED		
USED	broken parts gratis.	
	All claims must be made direct to the	
IUSED	makers, the Witherhea Israine Co the	
USED	West 43rd St. Now 3 Igniter Co., 541	•
USED	Without St., New York City.	•
USED	All claims must be made direct to the makers, the Witherbee Igniter Co., 541 West 43rd St., New York City. Witherbee batteries, No. 66each\$	29.00
USED	COVEL	6.15
USED	Gasket	2.85
	Gasket	.75
A		

Order Parts by serial part number and name in full.

Give number of motor. Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

CODE WORD		•		
WOKD				
BATED			Rubber separator	.10
CATED			Wood separator	.05
DATED	1.		Handle	.20
FATED			Lead plate connectors	.25
KATED				
			Nickel plated cell connectors	.15
LATED	•		Cover screws	.02
MATED			Cover washers	.02
PATED			Handle eyes	.05
RATED			Hexagon nuts	.02
SATED			Washers	.02
TATED			Knurled binding nuts	.10
ZATED			Spanner top nuts	.05
BETED			Vulcanite vent caps	.20
CETED			Positive plates	.75
DETED			Negative plates	.65
FETED			Negative plates	
			Dattery box	1.60
KETED	٠.			
LETED		,		
METED		ı	D11777 - A MMT-1 A MMT-1	
PETED			EXIDE BATTERY PARTS.	
RETED				•
SETED			Exide batterieseach\$	25.25
TETED			Rubber jar for exide battery	1.35
ZETED			Cover with knob for exide battery	.35
BITED		٠.	Positive plates for exide batteryeach	.85
CITED			Negative plates for exide batteryeach	.80
DITED			Positive straps for exide batteryeach	.25
				.30
FITED			Negative straps for exide batteryeach	
KITED			Wood separator for exide battery	.05
LITED		•	Rubber separator for exide battery	.15
MITED			Hard rubber rings for exide battery	.30
PITED .			Rubber knobs for cover of exide battery	.10
RITED			Soft rubber gaskets for exide battery. Flat copper connectors for exide battery	05
SITED			Flat copper connectors for exide battery	.05
TITED			Drop handles for exide battery per pair	1.00
ZITED		•	Strap handles	.60
BOTED			Strap handles	2.00
COTED				
DOTED				
	-			
FOTED			Brackets for Electrical Wiring.	
KOTED		_	The state of the s	• •
LOTED	H-	5	Bracket for cylinder No. 1, two pieces,	
MOTED			fibre	.20
POTED	Н-	4	Bracket for cylinder No. 2, two pieces,	•
ROTED			fibre	20
SOTED -	H-	3	fibre	
TOTED			fibre	.20
ZOTED	H-	2	Bracket for cylinder No. 4, two pieces.	
BUTED			fibre	.20
CUTED			Round head machine screws for attach-	
DUTED			ing brackets (per doz., .50)each	.05
FUTED			b. B. B. C.	
KUTED				
LUTED		•	NOTE-In ordering Battery Parts be	•
			sure and state whether for Exide or	
MUTED			Witherbee Batteries.	
PUTED			witherpee Datteries.	
RUTED				
SUTED				
TUTED				
ZUTED		•		٠

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

Read Instructions before ordering. The telegraph code key-word for this book is HARMONY.

	<del></del>		
CODE WORD	•	MUFFLERS.	
BAZED		Right and left mufflers assembled with	
CAZED DAZED		connecting pipe and connecting pipe	22.00
FAZED KAZED		Mumer, right, assembled with ends and	8.00
LAZED	H- 734	tie rod	1.00
MAZED	H- 713	Front muffler head for muffler, right	2.50
PAZED	H- 704	Rear muffler head for muffler sight	2.40
RAZED	H- 725	Rear muffler head for muffler, right Muffler center tie rod for muffler, right.	.25
SAZED	H-1700	Hexagon nut for right muffler tie rod	.43
TAZED		(per doz 25)	.05
ZAZED		(per doz., .25)each Columbia lock nut for right muffler cen-	03
BEZED		ter tie rod (per doz., .50)each	.05
CEZED	H- 727	Sleeve for right muffler center tie rod	.10
DEZED	•	Sleeve for right muffler center tie rod Muffler, left, assembled with ends, cut-	.10
FEZED		out and tie rod	10.00
KEZED	H- 734	Muffler shell for left muffler	1.00
LEZED	H- 703	Intake muffler head for left muffler	2.50
MEZED		Left muffler, rear end, with cutout valve	2.50
PEZED		assembled	2.80
REZED	H- 714	Left muffler, rear end only	2.00
SEZED	H- 711	Nipple for pipe for connecting muffler.	.20
TEZED		Cutout valve and stem with washer and	
ZEZED		Cutout valve and stem with washer and cotter for rear end left muffler	da.
BIZED		Cutout valve spring for rear end left	.00
CIZED	•	muffler	.10
DIZED		Washer for left muffler, rear end cutout	10
FIZED	•	valve (per doz. 25)	.05
KIZED	H- 723	valve (per doz., .25)each Lever for left muffler rear end cutout	.00
LIZED		valve	.15
MIZED	H- 721	Pin, and cotter pin for left muffler rear	.10
PIZED		end cutout valve (per doz., .25) . each	.05
RIZED	H- 720	Links for left muffler rear end cutout	00
SIZED	1	valve (two), (per doz., 25), each	.05
TIZED	H- 726	valve (two), (per doz., .25)each Tie rod for left muffler	.25
ZIZED		Hexagon nut for left muffler tie rod	2.7
BOZED	,	• (per doz., .25)each	.05
COZED		Columbia lock nut_for left muffler tie	
DOZED		rod (per doz., 50)each	.05
FOZED	H- 727	Sleeve for left muffler tie rod	.10
KOZED		Wire for left muffler rear end cutout	
LOZED		valve	.05
MOZED		Trigger for left muffler rear end cutout	. **
POZED		valve	.15
ROZED		Bracket for left muffler rear end cutout	*
SOZED	٠.	valve trigger	15
TOZED		Screws for left muffler rear end cutout	
ZOZED	•	Screws for left muffler rear end cutout valve trigger bracket (two), (per	••
BUZED	TT	uoz., .20/ each	.03
CUZED	H- 705	Connection pipe for right and left muf-	2.5
DUZED	TT WAS	flers	1.50
FUZED	H- 709	Hangers for right and left muffler pipe	
KUZED	LI 100*	(two)each Bolt and nut for right and left muffler	.20
LUZED	H-1605	boit and nut for right and left muffler	
MUZED	LJ #15	connecting pipe hangers (two)each	.10
PUZED	H- 715	Nozzle for connecting exhaust pipe to	
RUZED		muffler	1.50
SUZED		•	
TUZED ZUZED			
~∪~ED			
	•	·	

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE WORD			
BABIG	H- 712	Nozzle for right muffler front head	1.00
CABIG	H-1606	Bolt and nut for right muffler front	
DABIG		head nozzle	.10
FABIG	H- 706	Exhaust tube for muffler Exhaust pipe header	50
KABIG	H- 716	Exhaust pipe header	1.50
LABIG	H- 717 -	Rear exhaust pipe	.90
MABIG	H- 718	Front exhaust pipe	.40
PABIG	H- 719	Middle exhaust pipe	.40
RABIG	H- 722 H- 724	Valve stem for muffler	.20
SABIG	H- 724	Exhaust pipe leading to muffler	2.00
TABIG	H- 728	Separator for muffler support cross	
ZABIG			.05
BEBIG	H- 710	member	.10
CEBIG	H-1605	Bolt and nut for muffler exhaust tube	•
DEBIG		clip (two)each	.10
FEBIG	H- 735	Hanger for muffler exhaust tube	.15
KEBIG		Bolt and nut for muffler exhaust tube	
LEBIG		hanger (per doz., .50)each	.05
MEBIG	H- 729	hanger (per doz., .50)each Rear hanger, short, for right muffler Rear hanger, long, for right muffler	.15
PEBIG	H- 730	Rear hanger, long for right muffler.	.15
REBIG	H- 731	Rear hanger, short, for left muffler.	.20
SEBIG	H- 732	Rear hanger, short, for left muffler Rear hanger, long, for left muffler Bolt and nut for muffler hangers (per	.20
TEBIG	11- 100	Bolt and nut for muffler hangers (per	
ZEBIG		doz 50) each	.05
BIBIG	,	doz., .50)each For connections from Motor to	.00
		Muffler, see following transmission	A. 31
CIBIG		Brake Bands.	
DIBIG		Diake Danus.	
FIBIG			N .
KIBIG		DASH.	
LIBIG			100
	TT man		
MIBIG	H- 767	} Dash with reinforcement and shelf\$	36.00
PIBIG	H- 768	Dash with reinforcement and shelf\$	
PIBIG RIBIG	H- 768 H-1127	Dash lamp holder bracket, right or left	2.00
PIBIG RIBIG SIBIG	H- 768 H-1127 H-1137	Dash lamp holder bracket, right or left	2.00 2.00
PIBIG RIBIG SIBIG TIBIG	H- 768 H-1127	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder	2.00 2.00 .15
PIBIG RIBIG SIBIG TIBIG ZIBIG	H- 768 H-1127 H-1137	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder Dash lamp bracket screws	2.00 2.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG	H- 768 H-1127 H-1137	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder Dash lamp bracket screws	2.00 2.00 .15 .10
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG	H- 768 H-1127 H-1137 H-1138	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder Dash lamp bracket screws	2.00 2.00 .15 .10
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG	H- 768 H-1127 H-1137 H-1138	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder Dash lamp bracket screws Dash lamp bracket washer and nut (per doz, .50)each Rubber mat for dash shelf	2.00 2.00 .15 .10
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG	H- 768 H-1127 H-1137 H-1138	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws.  Dash lamp bracket washer and nut (per doz, .50)each Rubber mat for dash shelf.  Floor board for dash	2.00 2.00 .15 .10 .05 .75 2.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG	H- 768 H-1127 H-1137 H-1138	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws.  Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf  Floor board for dash Lamp and stanchion bracket for dash	2.00 2.00 .15 .10
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG FOBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws.  Dash lamp bracket washer and nut (per doz, .50)each Rubber mat for dash shelf.  Floor board for dash	2.00 2.00 .15 .10 .05 .75 2.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG FOBIG KOBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws.  Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf  Floor board for dash Lamp and stanchion bracket for dash	2.00 2.00 .15 .10 .05 .75 2.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG FOBIG KOBIG LOBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws.  Dash lamp bracket washer and nut (per doz., .50)each Rubber mat for dash shelf.  Floor board for dash.  Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)	2.00 2.00 .15 .10 .05 .75 2.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG FOBIG KOBIG LOBIG MOBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws. Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf. Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubri-	2.00 2.00 .15 .10 .05 .75 2.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG FOBIG KOBIG LOBIG MOBIG POBIG ROBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf. Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.	2.00 2.00 .15 .10 .05 .75 2.00 3.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG ROBIG SOBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf. Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.	2.00 2.00 .15 .10 .05 .75 2.00 3.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG ROBIG SOBIG TOBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf Floor board for dash Lamp and stanchion bracket for dash (For Sight Feed see following Lubricator.)  HOOD. Hood	2.00 2.00 .15 .10 .05 .75 2.00 3.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG ROBIG SOBIG TOBIG ZOBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws. Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelfeach Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood Hood fastener, complete, including seven following items	2.00 2.00 .15 .10 .05 .75 2.00 3.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG FOBIG MOBIG POBIG ROBIG SOBIG TOBIG ZOBIG BUBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws.  Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf. Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD. Hood Hood fastener, complete, including seven following items. Nut for eyebolt of hood fastener (per doz., 50)each	2.00 2.00 .15 .10 .05 .75 2.00 3.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG ROBIG SOBIG TOBIG ZOBIG BUBIG CUBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder.  Dash lamp bracket screws.  Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf. Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD. Hood Hood fastener, complete, including seven following items. Nut for eyebolt of hood fastener (per doz., 50)each	2.00 2.00 .15 .10 .05 .75 2.00 3.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG ROBIG SOBIG TOBIG ZOBIG EUBIG EUBIG DUBIG	H- 768 H-1127 H-1137 H-1138  H-1287 H- 769 H-1128  H-1100 H-1102	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf Floor board for dash Lamp and stanchion bracket for dash (For Sight Feed see following Lubricator.)  HOOD. Hood	2.00 2.00 .15 .10 .05 .75 2.00 3.00 30.00
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG ROBIG TOBIG ZOBIG BUBIG CUBIG DUBIG FUBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128 H-1100 H-1100 H-1102 H-1104	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws. Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelfeach Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items Nut for eyebolt of hood fastener (per doz., 50)each Cap for cam handle of hood fastener.	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .05 .10 .40
PIBIG RIBIG SIBIG SIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG SOBIG TOBIG ZOBIG BUBIG CUBIG DUBIG FUBIG KUBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128 H-1100 H-1100 H-1102 H-1104 H-1107	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws. Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items Nut for eyebolt of hood fastener (per doz., 50)each Cap for cam handle of hood fastener. Spring for hood fastener.	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .05 .10 .40 .10
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG DOBIG FOBIG MOBIG POBIG POBIG SOBIG TOBIG ZOBIG ZOBIG EUBIG DUBIG FUBIG FUBIG FUBIG LUBIG LUBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128 H-1100 H-1100 H-1100 H-1100 H-1101 H-1101 H-1101	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder. Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelfeach Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .05 .10 .40 .20
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG FOBIG FOBIG MOBIG POBIG ROBIG SOBIG TOBIG ZOBIG EUBIG EUBIG EUBIG MUBIG MUBIG MUBIG MUBIG MUBIG	H- 768 H-1127 H-1137 H-1138  H-1287 H- 769 H-1128  H-1100 H-1100 H-1100 H-1100 H-1100 H-1100 H-1100 H-1100	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder. Dash lamp bracket screws Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf. Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items. Nut for eyebolt of hood fastener (per doz., 50)each Cap for cam handle of hood fastener. Cam handle for hood fastener. Spring for hood fastener. Eyebolt for hood fastener. Eyebolt for hood fastener.	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .05 .10 .40 .10 .20 .02
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG ROBIG TOBIG ZOBIG EUBIG EUBIG EUBIG WUBIG MUBIG FUBIG LUBIG FUBIG	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128 H-1100 H-1102 H-1104 H-1107 H-1106 H-1108 H-1108	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder. Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelfeach Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .05 .10 .40 .20
PIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG KOBIG MOBIG POBIG SOBIG TOBIG ZOBIG EUBIG DUBIG EUBIG MUBIG	H- 768 H-1127 H-1137 H-1138  H-1287 H- 769 H-1128  H-1100 H-1100 H-1100 H-1100 H-1100 H-1100 H-1100 H-1100	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelfeach Floor board for dash Lamp and stanchion bracket for dash (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items Nut for eyebolt of hood fastener (per doz., 50)each Cap for cam handle of hood fastener Spring for hood fastener Eyebolt for hood fastener Eyebolt for hood fastener Bracket for hood fastener (on side bar)	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .05 .10 .40 .10 .20 .02
PIBIG RIBIG RIBIG SIBIG ZIBIG BOBIG COBIG DOBIG FOBIG MOBIG POBIG ROBIG SOBIG TOBIG ZOBIG BUBIG CUBIG FUBIG FUBIG FUBIG FUBIG FUBIG FUBIG FUBIG FUBIG SUB SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SU	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128 H-1100 H-1102 H-1104 H-1107 H-1106 H-1108 H-1108	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws. Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items Nut for eyebolt of hood fastener (per doz., 50)each Cap for cam handle of hood fastener. Cam handle for hood fastener Eyebolt for hood fastener Eyebolt for hood fastener Bracket for hood fastener (on side bar) Hood lug for hood fastener	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .05 .05 .05 .05 .05 .05 .05 .05 .0
PIBIG RIBIG RIBIG SIBIG TIBIG ZIBIG BOBIG COBIG FOBIG MOBIG POBIG SOBIG TOBIG ZOBIG EUBIG EUBIG WUBIG FUBIG WUBIG FUBIG RUBIG FUBIG RUBIG FUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG RUBIG FUBIG	H- 768 H-1127 H-1137 H-1138  H-1287 H- 769 H-1128  H-1100 H-1102 H-1104 H-1107 H-1106 H-1108 H-1108 H-1108	Dash lamp holder bracket, right or left Dash lamp holder, right or left Nut for dash lamp holder Dash lamp bracket screws Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood Floor board for dash Car Sight Feed see following Lubricator.)  **HOOD.**  Hood **Shood fastener (per doz., 50)  Rubber mat for dash shelf  **Car for cam handle of hood fastener (per doz., 50)  Cam handle for hood fastener  Spring for hood fastener Eyebolt for hood fastener  Bracket for hood fastener (on side bar)  Hood lug for hood fastener Nut for hood lug (per doz., 25)each	2.00 2.00 1.5 10 .05 .75 2.00 3.00 .75 .05 .10 .40 .20 .02 .15
PIBIG RIBIG RIBIG SIBIG ZIBIG BOBIG COBIG DOBIG FOBIG MOBIG POBIG ROBIG SOBIG TOBIG ZOBIG BUBIG CUBIG FUBIG FUBIG FUBIG FUBIG FUBIG FUBIG FUBIG FUBIG SUB SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SUBIG SU	H- 768 H-1127 H-1137 H-1138 H-1287 H- 769 H-1128 H-1100 H-1102 H-1104 H-1107 H-1106 H-1108 H-1108	Dash lamp holder bracket, right or left Dash lamp holder, right of left Nut for dash lamp holder Dash lamp bracket screws. Dash lamp bracket washer and nut (per doz., 50)each Rubber mat for dash shelf Floor board for dash. Lamp and stanchion bracket for dash. (For Sight Feed see following Lubricator.)  HOOD.  Hood Hood fastener, complete, including seven following items Nut for eyebolt of hood fastener (per doz., 50)each Cap for cam handle of hood fastener. Cam handle for hood fastener Eyebolt for hood fastener Eyebolt for hood fastener Bracket for hood fastener (on side bar) Hood lug for hood fastener	2.00 2.00 .15 .10 .05 .75 2.00 3.00 .75 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .10 .05 .05 .05 .05 .05 .05 .05 .05 .05 .0

CODE			
WORD			
BADIG	H-1109	Hinge for hood (side bar)	.25
CADIG	H-1110	Shelf for hood, right Shelf for hood, left	35
DADIG	H-1111	Shelf for hood, left	.35
FADIG KADIG			•
LADIG		DADIATOD AND DAN	
MADIG		RADIATOR AND FAN.	
PADIG		Do not send Radiators to us for re-	
RADIG		pairs or replacements. All claims on	
SADIG	•	account of defective material or con-	
TADIG ZADIG		struction must be made direct to the makers, The Whitlock Coil Pipe Co.,	
BEDIG	Section 1	Hartford, Conn.	
CEDIG		Radiators sent to us will not be ac-	
DEDIG	•	cepted from the transportation company.	- 1
FEDIG		Radiator\$	90.00
KEDIG	TT POA	Radiator filler cap	1.50
LEDIG MEDIG	H- 764 H- 776	Radiator strainer	.20
PEDIG	H- 754	Truss and or tie rod for radiator and	.10
REDIG.	11 101	Truss end or tie rod for radiator and dash (two)each Bronze nut for truss end of radiator	.25
SEDIG	H- 753	Bronze nut for truss end of radiator	
TEDIG		and dash (two)each	.25
ZEDIG	H-1707	and dash (two)each Hex. nuts for truss end of radiator and	
BIDIG	•	_ dash (per doz., .25)each	.05
CIDIC	<i></i>	Hose connection from radiator to motor,	.50
DIDIG FIDIG		10" long	-30
KIDIG		5½" long	.30
LIDIG		Trong Country Indicates and Indicates	.15
MIDIG		Fan complete comprising seven follow-	gar i a
PIDIG	***	ing items	6.00
RIDIG	H- 755	Fan only, including tube, set screws, and	2.00
SIDIG TIDIG	H- 756 } H- 755	oil hole cover Spider for fan	3.00 2.00
ZIDIG	H- 756	Blade for fan	.40
BODIG	H- 762	Fan pulley	2.40
CODIG	H-1623	Fan pulley set screws and lock nuts	
DODIG		(two). (per doz50)each	.05
FODIG	H- 758 H- 759	Fan axle	.20
KODIG LODIG	H- 763	Bushing for fan	.20 .10
MODIG	H- 761	Adjusting nuts for bearings in fan (two)	
PODIG		each	.15
RODIG		Oil hole cover for fan	.10
SODIG	3344	Fan belt	2.00
TODIG	H- 757	Support for fan axle, left	.30
ZODIG	H- 760 3817	Support for fan axle, right	.30
GUDIG CUDIG	2011	Nuts for fan axle support (per doz., 25) each	.05
DUDIG	H- 750	Driving sheave for fan	2.40
FUDIG			• • • • • • • • • • • • • • • • • • • •
KUDIG	•		
LUDIG	BR	AKE AND CLUTCH CONNECTIONS.	
MUDIG		Hand broke loven complete with some	
PUDIG RUDIG	-	Hand brake lever, complete with seven-	12.00
SUDIG	H- 965	Hand brake lever only	9.00
TUDIG	H- 978	following items\$ Hand brake lever only Hand brake lever release rod with pawl	
ZUDIG		- and button	1.50
Oa	on Dont-		77

Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

CODE	
WORD	
BAFIG H- 979 Hand brake lever button	
CAFIG H- 977 Hand brake lever spring	
DAFIG H- 973 Hand brake lever pawl	
FAFIG Hand brake lever screws	
FAFIG Hand brake lever screws  KAFIG Hand brake lever oiler	
LAFIG Bracket for hand brake secto	r complete.
MAFIG comprising the five follow	
PAFIG H- 975 Bracket for hand brake sect	or only 4.00
RAFIG Oiler for bracket	
SAFIG H- 974 Hand brake sector	
TAFIG Hand brake sector screws (	four) (ner
ZAFIG doz25)	each .05
ZAFIG doz., .25)	four) (ner
CEFIG doz., .25)	each .05
DEFIG Clutch release shaft assemble	d compris
EPPIC in a the twenty two follow	ing items 14.00
FEFIG ing the twenty-two follow KEFIG H- 961 Clutch release shaft only	
	1.00
<b>LEFIG</b> H- 968 <b>MEFIG</b> H- 976 Brake foot lever with metal	pad 3.00
MELIG II- SIO )	
PEFIG H- 967 Main clutch pedal with meta	1 pad 3.00
REFIG 11- 910 )	
	o)each .15
TEFIG H-1601 Main clutch pedal bolt (tw. ZEFIG H-987 Main clutch pedal key	
	described to
BIFIG 2601 Brake rocker arm on main of	nutch Shart,
CIFIG 11/2" center to center	
DIFIG H- 951 Brake rocker arm on main of FIFIG 234" center to center	Juich Shart,
FIFIG 234" center to center	
KIFIG H- 556 Main clutch release dog, rig LIFIG H- 988 Main clutch release dog key	ht 1.60
LIFIG H- 988 Main clutch release dow key	
MIFIG H-1601 Main clutch release dog bolt	, left15
PIFIG H-1713 Main clutch release dog nut RIFIG H- 557 Main clutch release dog, left	
RIFIG H- 557 Main clutch release dog, left	, 1/8 cen-
SIFIG ter of hole to dog	1.60
TIFIG 2698 Main clutch release dog, le center of hole to dog	it 1 from
ZIFIG center of hole to dog:	
BOFIG H-1601 Main clutch release dog bolt	, right15
COFIG H-1713 Main clutch release dog nu DOFIG H- 558 Main clutch release toggle	
DOFIG H- 558 Main clutch release toggle.	2.50
FOFIG H-1602 Main clutch release toggle b	olt15
KOFIG H-1713 Main clutch release toggle n	ut15
KOFIG H-1713 Main clutch release toggle n LOFIG H- 987 Main clutch release toggle k MOFIG H- 980 Main clutch release rod, show Main clutch release rod, long	ey
MOFIG H- 980 Main clutch release rod, sho	rt
POFIG H- 981 Main clutch release rod, long	80
ROFIG Main clutch release rod, w	ashers and
SOFIG cotters	
TOFIG Rocker tube, long and shot ZOFIG brake assembled with yo	t, for foot
ZOFIG brake assembled with yo	ke 4.20
BUFIG H- 956 Yoke for foot brake rocker	
CUFIG H- 986 Keys for yoke for foot brake	rocker tube .10
DUFIG H-1613 Bolts for yoke (two), (per d FUFIG H-984 Brake ratchet bolt	oz., .50).ea05
FUFIG H- 984 Brake ratchet bolt	
KUFIG H-1713 Nuts for voke (two)	each .15
LUFIG H- 959 Rocker tube for foot brake, l	left, short80
MUFIG H- 957 Rocker tube for foot brake,	right, long. 1.60
MONTO II- and MOCKET time for foot plake,	each .20
PUFIG H- 960 Rocker shalt bushing (four)	·
PUFIG H- 960 Rocker shalt bushing (four) RUFIG H- 958 Rocker shaft separator (two	)each .15
PUFIG H- 960 Rocker shall bushing (four) RUFIG H- 958 Rocker shaft separator (two SUFIG H- 962 Hand brake rocker shaft	1.20
PUFIG H- 960 Rocker shaft bushing (four) RUFIG H- 962 Rocker shaft separator (two Hand brake rocker shaft TUFIG H- 948 Foot brake rocker arm on to	1.20 ibe for out-
PUFIG H- 960 Rocker shaft bushing (four) RUFIG H- 958 Rocker shaft separator (two SUFIG H- 962 Hand brake rocker shaft	1.20 ibe for out-

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE			
BAHIG	en e	Foot brake rocker arm bolt (per doz.,	
CAHIG DAHIG		Foot brake rocker arm nut (per doz.,	.05
FAHIG	IJ ogg	.50)	.05
KAHIG LAHIG	H- 953	Foot brake rocker arm for right or left outside hub brake	1.40
MAHIG PAHIG	H- 986 H-1613	Foot brake rocker arm key	.10 .05
RAHIG		Foot brake rocker arm nut	.05
SAHIG TAHIG	H- 954	Hand brake rocker arm, right, on end of shaft	1.40
ZAHIG BEHIG	H-1614	Hand brake rocker arm bolt Hand brake rocker arm nut	.15 .05
CEHIG	H- 955	Hand brake rocker arm, left, on end of	1 20
DEHIG FEHIG		shaft	1.20
KEHIG		Brake Pull Rods.	
LEHIG MEHIG		Pull rod for hand brake lever assembled with yokes, nuts, pins and cotter pins	1.00
PEHIG REHIG	H- 943	Pull rod only, or hand brake lever Pull rod from hand brake lever to foot	.40
SEHIG		brake rocker arm, assembled with	
TEHIG ZEHIG	H- 944	yokes, nuts, etc.  Pull rod only, from brake foot lever to foot brake rocker arm	1.00
BIHIG		foot brake rocker arm	.40
DIHIG		Pull rod from clutch release to rocker shaft, assembled with vokes, nuts, etc.	1.00
FIHIG KIHIG	H- 945	Pull rod only, from clutch release shaft to rocker shaft	.40
LIHIG		Pull rod from rocker shaft rocker arm	
MIHIG		to outside hub brake lever arm, as- sembled, etceach	1.00
RIHIG SIHIG	H- 946	Pull rod only right or left, from rocker shaft rocker arm to outside hub	
TIHIG	•	brake lever armeach Pull rod from hand brake lever rocker	.40
BOHIG		arm to inside hand brake lever arm,	
COHIC.	H- 947	Pull rod only, right or left, from hand	1.00
FOHIG	11- 941	brake lever arm to inside hand brake	
KOHIG	H- 952	lever armeach Pull rod yokeseach	.40
LOHIG MOHIG	11- 532	Pull rod yoke pins and cotter pins. (per	.50
POHIG	TT 1700	doz., 25)each	05
ROHIG SOHIG	H-1702 H- 989	Pull rod yoke nuts (per doz., 25) each Spring for rear hub brakes	.05 .40
TOHIG	H- 990	Hook for spring	.10
ZOHIG BUHIG.		CONTROLLER LEVER.	
CUHIG DUHIG	Tr occ		<b>7</b> 00
<b>FUHIG</b>	H- 966	Controller lever\$ Controller lever bolt (per doz., .50)	7.00
KUHIG LUHIG	H- 963	Controller lever shaft	.05 1.40
MUHIG	H- 964	Controller lever shaft collar	.20
PUHIG		Controller lever shaft collar pin (er	
RUHIG SUHIG		doz., .25)each Oiler on controller lever	.05
TUHIG	R-4-505	Controller segment for compensating	
7.UHIG	•	shaft	4.00

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

	Cantacillar announceding short complete	
· `.	with compensating gear, compensat-	77.00
D 4 500	Company and four controller cams	7.00
		1.50
	Compensating gear	1.75
		, 1.00
_		.80
	Taper pins (six) 13/16" No. 5each	.05
	Compensating cam slide and roll	2.60
	,	
		2.00
		.30
		.30
R-4- 44		
	doz., .50)each	.05
• •	FOR TRANSMISSION RRAKE RANDS	
	SEE UNDER TRANSMISSION.	
and the officer		
	OTTERDING MECHANISM	
	SIEEKING MECHANISM.	
	Steering mechanism complete including	•
•	and throttle rods with snark and	
1	throttle pinions	100.00
	Steering wheel (rim and spider)	6.00
LT OAM	Steering wheel coider	3.00
	Ctonsing wheel spider	
LI- 991	Cook and thucttle actor arm with stoff	2.50
IT OFF		3.00
		1.00
		1.80
H- 870		• • •
	sectoreacn	.10
		80.00
	Steering post with screw and end plug	16.00
	Bushing for steering post screw	.20
		.25
_H- 829	Flange for steering casing	• 1.20
y 1. 1. 1	Bronze washer for steering post	.20
	Steel washer for steering post	.15
	Bearing, size "Fanny," large, for steer-	
	ing post	2.00
	ing post	1.40
H- 871	Shaft for steering arm	2.50
H- 819		.10
H- 820	Nut for steering gear	6.00
H- 826	Plug for steering post	.50
H- 833	Steering post	3.00
	Adjusting nut, large, for end of steering	3,00
	arm shaft	.20
H- 837	Stem for 1" ball joint	.40
		•
0.0	ing arm shaft	.10
H- 874	Washer, large, 11/2" O. D. for steering	
12 012	arm shaft	.30
H- 875		
	ing arm shaft	.15
e cure to	nut your name and motor number on	
	H- 871 H- 819 H- 820 H- 826 H- 833 H- 872 H- 837 H- 873 H- 874	R-4-501 R-4-501 Compensating gear Controller cams (four)

Be sure to put your name and motor number on parts returned and PREPAY CHARGES.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE			
BALIG	H- 813	Bronza husbing for stooring and shelt	
CALIG	11- 013	Bronze bushing for steering arm shaft (two)each	.60
DALIG	H- 876	Steel husbing for steering arm shaft	.40
	H- 804	Yoke, upper, for steering arm shaft	4.00
FALIG KALIG	H- 803	Yoke, upper, for steering arm shaft Yoke, lower, for steering arm shaft	4.00
LALIG		Set serew and lock flut for yokes for	•=
MALIG		steering arm shaft (per doz., .50) each	.05
PALIG	H- 802	Button for yokes for steering arm shaft.	.10
RALIG	H- 814	Trunnion blocks for steering arm shaft	
SALIG TALIG	II onn	yoke (four)each	.30
ZALIG	H- 877	Cap packing nut for end of steering	
BELIG	H- 807	arm shaft  Faced packing nut for end of steering arm shaft  Steering shaft arm	, .50
CELIG		arm shaft	.60
DELIG	H- 880	Steering shaft arm	4.00
FELIG	•	Dali bivot for steering shall arm	.50
KELIG	H- 816	Steering case body	12.00
LELIG	H-1612	Screw for steering case body (per doz.,	
MELIG	TT	.50)each	.05
PELIG	H- 815	Steering case cover	4.00
RELIG SELIG	H- 805 H- 817	Cap for steering case cover	.80
TELIG	H- 818	Adjusting plug for steering case body	• .20
ZELIG	R-4-434	Cap for oil pan arm	.40
BILIG	R-4-326	Set screw for oil pan arm cap	.10
CILIG	R-4-373	Check nut for oil pan arm cap set screw	.10
DILIG		(per doz., .25)each	.05
FILIG			
KILIG		Steering Connection Rod.	
LILIG		Steering connection rod complete with	
MILIG	TT 044	ends assembled\$	8.00
PILIG RILIG	H- 844	Tube for steering connection rod	1:25
SILIG		End for steering connection rod, front,	3.00
TILIG	L- 866	complete	<b></b>
ZILIG			1.20
BOLIG	L-862	Sockets for steering connection rod end,	
COLIG	_	front (two)each	.50
DOLIG	L- 864	Nut for front steering connection rod	
FOLIG	TT 000	end Nut for steering connection	.20
KOLIG	H- 839	Nut for steering connection	.60
LOLIG MOLIG	H- 843	Screws for steering arm sleeve (two) (per doz., .25)each	0.5
POLIG	H-1715	Lock nut for steering arm sleeve (two)	.05
ROLIG		each	.15
SOLIG		End for steering connection rod, rear,	•••
TOLIG	· _ · . ,	complete	2.80
ZOLIG	H- 838	Sleeve for rear end steering connection	
BULIG .	TT - 4.44	rod	2,00
CULIG	H- 841	Sockets for rear end steering connection rod (two)each	
DULIG	H- 839	Nut for rear steering rod and	.70
FULIG KULIG	п- 839 Н- 845	Nut for rear steering rod end	.60
LULIG	11- 040	Springs for rear steering connection rod end (two)each	1.20
MULIG	H- 846	end (two)each Washers for rear steering connection	1.60
PULIG		rod end (two)each	.10
RULIG	H- 842	Discs for rear steering connection rod	•
SULIG		end (two)each	.05
TULIG		Rawhide covering for steering connec-	
ZULIG		tion rod endseach	.60
		· ·	

Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

CODE WORD		Spark and Throttle Parts.	•
BAMIG	•	Throttle tube with lever\$	1.50
CAMIG	H- 834	Throttle tube only	1.40
DAMIG	H- 828	Bushing for throttle tube (two)each	10
FAMIG	H- 863	Lever for throttle tube	1.20
KAMIG	TT 000	Screw for throttle tube lever	.05
LAMIG	H- 866	Plunger for throttle lever	.10
MAMIG	H- 868	Plunger spring for throttle lever (per	.05
PAMIG		doz., .25)each Spark rod and lever	1.20
RAMIG	H- 854	Pin for spark lever	.05
SAMIG TAMIG	H- 855	Pin for throttle lever	.05
ZAMIG	H- 832	Spark rod only	1.40
BEMIG	H- 867	Clamp screws for spark rod lever	.15
CEMIG	H- 864	Lever for spark rod	.70
DEMIG	H- 869	Pratt & Whitney taper pin	.05
FEMIG	H- 870	Segment screw	.10
KEMIG	H- 866	Plunger for spark rod lever	.10
LEMIG	H- 868	Plunger spring for spark rod lever (per	· · · · · · · · · · · · · · · · · · ·
MEMIG		doz., .25)each Spark and throttle control staff	.05
PEMIG	H- 831	Spark and throttle control staff	1.20
REMIG	H- 827	Bushing for spark and throttle control	.10
SEMIG		staff (two)each	
TEMIG	R-4-449	Pinion segment for spark control	.80 1.00
ZEMIG	R-4-448	Gear segment for spark control	1.00
BIMIG	R-4-447 R-4-446	Pinion segment for throttle control Gear segment for throttle control	1.00
CIMIG	R-4-656	Vertical spark shaft	.20
DIMIG	R-4-637	Clamping collar for vertical spark shaft	.40
FIMIG KIMIG	R-4-633	Clamp screw for vertical spark shaft col-	
LIMIG	-1 - 000	lar (per doz., .25)each	.05
MIMIG	R-4-657	Bushing for vertical spark shaft	.30
PIMIG	R-4-442	Spark control arm for top of vertical	
RIMIG	•	shaft	.55
SIMIG	R-4-443	Governor arm for bottom of vertical	
TIMIG		gpark shaft	.80
ZIMIG	R-4-665	End connection for spark control arm.	.20
BOMIG	R-4-659	End connection for throttle arm	.30
COMIG	R-4-640	Nut for throttle and commutator rods	O.E
DOMIG	D 4 664	(per doz., .25)each End connection for commutator rod,	.05
FOMIG	_R-4-664		.15
KOMIG	R-4-604	commutator end	
LOMIG MOMIG	17-4-004	Commutator rod from commutator to top of vertical spark shaft	.55
POMIG	R-4-603	Lower throttle rod from governor lever	
ROMIG		to bottom of vertical spark shaft	.55
SOMIG	R-4-602	Upper throttle rod from governor to	
TOMIG		carburetor	.55
ZOMIG	R-4-646	Spring for throttle rod upper (two)	
BUMIG		each	.10
CUMIG	R-4-639	Collar for throttle rod upper o(two).each	.30
DUMIG	R-4-634	Clamp screw for throttle rod collar (per	
FUMIG	D 4 646	doz., .25)each	.05
KUMIG	R-4-640	Nut for end connection for upper throt-	.05
LUMIG		tle rod (per doz., .25)each The following parts were used on	.00
MUMIG		cars on which the governor was not	1
PUMIG		used.	
RUMIG	R-4-656	Vertical spark shaft	.30
SUMIG TUMIG	R-4-637	Clamp collar for vertical spark shaft	.50
ZUMIG		(two)each	.40
LOMIG	<b>\</b>	(-40)	

CODE WORD			
	R-4-633	Screw for vertical spark shaft clamp	
CAPIG DAPIG	R-4-443	collarseach'	.05
FAPIG	1/-4-449	Lever arm at bottom of vertical spark shaft	.80
KAPIG LAPIG		Clamp screw for lever arm at bottom of vertical spark shaft (per doz., .50)	
MAPIG		doop	.05
PAPIG - RAPIG		Nut for lever arm clamp screw (per doz., 25)each	.05
SAPIG TAPIG	4598	loggle connection for arm at bottom	
ZAPIG	R-4-659	of vertical spark shaft End connection for toggle connection	.40 .30
BEPIG	4600	Connecting rod for throttle toggle joints	.15
CEPIG	R-4-665	End connection for toggle joint, rear	.20
DEPIG FEPIG	4598 4601	Rear toggle joint for throttle	.40
KEPIG	4001	Lever arm at steering case for carbu- retor control	.35
LEPIG	4602	Packing nut for steering case	.05
MEPIG	4599	Screw for carburetor control lever at	
PEPIG REPIG	4618	steering case	.10
SEPIG		throttle rod	.20
TEPIC	4620	Kod for throttle control	.40
ZEPIG	R-4-646	Springs for throttle rod (two)each	.10
BIPIG CIPIG	R-4-638 R-4-634	Collars for throttle rod (four)each Clamp screw for throttle rod collars (per	.35′
DIPIG '	20-2-00-2	doz25) each	.05
FIPIG	R-4-442	Arm at top of vertical spark shaft for	. :-: : .
KIPIG LIPIG	R-4-665	End connection for arm at top of verti-	55
MIPIG PIPIG	R-4-604	cal spark shaft	.20
RIPIG		Commutator rod	.55
SIPIG	NO.	TE-FOR COMMUTATOR AND PARTS	
TIPIG ZIPIG		SEE UNDER GOVERNOR AND	
BOPIG		COMMUTATOR.	
COPIG :		이번 문화 집중 사용하다 내 가게하다고 있는다. 수	
DOPIG:			
FOPIG KOPIG		FRONT AXLE.	
LOPIG		Front axle complete with complete spin-	
MOPIG .		dles and parallel rod\$	90.00
POPIG		Front axle tube with yokes and spring	00.00
ROPIG SOPIG		Steering spindle right complete with	30.00
TOPIC		Steering spindle, right, complete with arms, bushing pivot and end nut	16.80
ZOPIG		Steering spindle, only, right	16.00
BUPIG	1.	Steering spindle, left, complete with	
CUPIG DUPIG	•	Steering spindle only, left	12.20 12.00
FUPIG	.1	Bolt with nut and oiler for steering spin-	
KUPIG		dle Oiler for steering spindle bolt	2.00
LUPIG MUPIG		Nut for steering spindle bolt	、.40 .05
PUPIG		-End nut for steering spindle	.20
RUPIG	•	Parallel rod complete with yokes, bolts	
SUPIG TUPIG		and nuts	5.00 .35
ZUPIG		Nut for parallel rod bolt	.35 .05
		**	

Read Instructions before ordering. The telegraph code key-word for this book is HARMONY.

CODE			•
BARIG	LT 516	Steel bushing upper for steeling spin-	<b>\</b>
CARIG	H- 316	Steel bushing, upper, for steeling spin- dle	.60
DARIG	H- 317	Steel bushings, lower, for steering spin-	
FARIG KARIG	***	dle	.60 5.00
LARIG	·	Bolt and nut for front axle spring seat.	.15
MARIG		Nut for front axle spring seat bolt	.05
PARIG RARIG		Screw for front axle spring seat Ball joint or pivot for front axle spin-	05
SARIG		dle, right	.35
TARIG	H- 302	Steering knuckle, right Steering knuckle, left	1.60
ZARIG BERIG	H- 303 H- 316	Bushing for steering knuckle, lower	1.60 .50
CERIG	H- 317	Bushing for steering knuckle, upper	.50
DERIG	H- 318	Nut for steering knuckle bolt	.40
FERIG KERIG	H- 319 H- 320	Bolt for steering knuckle Nut for steering knuckle	1.60 .20
LERIG	H- 322	Yoke for tie rod	.20
MERIG	H- 324	Bushing for the rod	.50 3.00
PERIG RERIG	H- 325 H- 328	Tie rod for front axle	
SERIG	H- 329	Steering arm for front axle, right	1.20
TERIG	H- 330	Steering arm for front, left	1.50
ZERIG BIRIG	•	(1) - 항문소설 시 <u>한</u> 스 전설하는 사용의	
CIRIG		Front Wheel.	Santa.
DIRIG '		Front wheel assembled complete with	<b>20.00</b>
FIRIG KIRIG		rim, bearings and hub cap, less tire\$ Front wheel with rim, less bearings,	50.00
LIRIG		hub cap and tire	30.00
MIRIG	H- 309	Hub outside flange for front wheel	2.00
· PIRIG [RIRIG]	H- 306	Hub only for front wheel (inside flange)	6.00
SIRIG	H- 321	Bolt and nut for front wheel hub	.10
TIRIG	H- 332 H-1611	Oil retainer for front wheel Bolt and nut for front wheel oil retainer	3.00
ZIRIG	H- 307	Brass hub cap for front wheel	2.00
CORIG	H- 333	Brass hub cap for front wheel Separator for front wheel	1.00
DORIG		Hess-Bright bearing No. 407, complete	12.00
FORIG KORIG		for inside of front wheel	12.00
LORIG		for outside of front wheel	6.00
MORIG		Wrench for front wheel hub cap	.20
PORIG RORIG		DEAD AVID	
SORIG		REAR AXLE.	14
TORIG ZORIG		Rear axle complete, assembled with bevel gear and brakes\$	300.00
BURIG	H- 215	Rear axle shaft, right or left	6.00
CURIG	H- 244	Hexagon nut for end of rear axle shaft	
DURIG FURIG	H- 209	(two)each Ecualizing gear for rear axle shaft,	.40
KURIG		right or left (two)each	12.00
LURIG	H- 217	Steel washer for rear axle equalizing	40
MURIC PURIG		gear (two)each Flat steel washer for equalizing gear	.10
RURIG		(two)each	.10
SURIG		(two)each Bronze washer for equalizing gear	.10
TURIG ZURIG		Keys for keying equalizing gears to shafts (four)each	.10
DUMIG.	``. _ · · ·	Julio (IVIII)	.10
T	1 4 -	mark reason manns and maken manhanian	

CODE			1. 1
WORD			
BASIG	H- 262.	Ball cup for rear axle gear mount (two)	
CASIG		each	7.00
DASIG		38" balls for rear axle gear mount ball	1. 1
FASIG		cupeach	.10
KASIG	H- 259	Ball retainer for rear axle gear mount	V.
LASIG		ball cup (two)each	1.00
MASIG	H- 261	Cone for rear axle gear mount (two)	
PASIG	77	each	6.00
RASIG	H- 203	Gear mount for rear axle, right side	15.00
SASIG	H- 204	Gear mount for rear axle, left side	15.00
TASIG	H- 228	Adjusting nut for rear axle gear mount	
ZASIG -		(two)each	1.40
BESIG	H- 206	Driving gear with stude and nuts for	
CESIG		rear axle gear mount, right, 56 teeth	
DESIG .		for 2-4/5 to 1 gear	16.00
FESIG :	H- 277	Driving gear with stude and nuts, 56	$\mu \in \mathbb{N}_{+}$
KESIG -		Driving gear with studs and nuts, 56 teeth for 31/4, to 1 gear	16.00
LESIG	100	NOTE—In ordering either driving	
MESIG		gears or drive shalf biblons, you must	
PESIG		state the number of teeth on the pinion,	***
RESIG		as the face angle of the driving gear,	
SESIG	•	must correspond with the face angle of	
TESIG	· ·	the pinion.	
ZESIG	H- 242	Washer for axle tube	.15
BISIG	H- 205	Driving shaft for rear axle Key for front drive shaft bushing	6.00
CISIG	H- 255	Key for front drive shaft bushing	.10
DISIG	H- 256	Key for drive pinion	.10
FISIG	H- 258	Pin for rear axle hub	10
KISIG	H- 260	Tube for ball retainer	.20
LISIG	H- 270	Washer for rear axle	.10
MISIG	H- 272	Axle tube for wide tread axle, right	.15
PISIG		Studs for rear axle gear mount driving	
RISIG		gear (eight)each	.50
SISIG		Lock nuts for rear axle gear mount driv-	
TISIG	•	ing gear (per doz., .50)each Check nuts for rear axle gear mount	.05
ZISIG		Check nuts for rear axie gear mount	0.5
BOSIG		Griving gear (per doz., 50)each	.05
COSIG		driving gear (per doz., 50)each Equalizing gear spider with pinions,	14 50
DOSIG	TT 010	studs and businings	14.50
FOSIG	H- 210	Equalizing gear spider with bushing	6.50
KOSIG	H- 211 · H- 207	Bushing for equalizing gear spider	,60
LOSIG	11- 207	Pinions for equalizing gear spider	2.00
MOSIG POSIG	TI DAO	(three)each	۵.00
ROSIG	H- 208	Studs for rear axle equalizing gear	1 60
SOSIG	H- 213	spider (three)each	1.60
TOSIG	H- 205	Driving shaft for rear axle assembled	22,00
ZOSIG	H- 220	Washer for axle shaft	.15
BUSIG	H- 221	Washer for axle shaft	.15
CUSIG	H- 222	Washer for driving pinion	.15
DUSIG	H- 245	Collar for driving shaft	.20
FUSIG	H- 205	Lock for gear mount adjustment	.10
KUSIG	H- 253	Lock for gear mount adjustment Key for drive shaft	.10
LUSIG	H- 294	Spring for strut rod bolt	.10
MUSIG	H- 205	Pinion for rear axle driving shaft, 20	
PUSIG		tooth for 2-4/5 to 1 gear	16,00
RUSIG	H- 276	Pinion for rear axle driving shaft, 16	
SUSIG	,	teeth for 3½ to 1 gear	16.00·
TUSIG	•		
ZUSIG;		NOTE—In ordering either driving	
		gears or driving shaft pinions, you must	
0-2	las Dosta	his parial mark number and name in f	-11

Order Parts by serial part number and name in full.

Give number of motor.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

CODE			
	.,		
BATIG CATIG		state the number of teeth on the pinion	
DATIG		as the face angle of the driving gear must correspond with the face angle of	
FATIG		the pinion.	
KATIG		Hess-Bright bearing, No. 307, front, for	
LATIG		rear axle driving shaft	8.60
MATIG	•	Hess-Bright bearing, No. 410, rear, for	
PATIG		rear axle driving shaft	20.00
RATIG	H- 223	Oil retainer for rear axle driving shaft	
SATIG	TT 000	on end of housing	· 1.30
TATIG ZATIG	H- 226 H- 214	Bushing for rear axle driving shaft	.60
BETIG	H- 227	Rear axle tube, right	6.00 2.00
CETIG	H- 216	Rear axle tube left	6.00
DETIG	H- 252	Rear axle tube, lefteach Rear axle tube keys (four)each Rear axle aluminum housing, upper and	.20
FETIG		Rear axle aluminum housing, upper and	
KETIG		lower half, with bolts and nuts	70.00
LETIG	H- 266	Spring perch for rear axle, right or left.	2.40
METIG	H- 264	Bracket for rear hub brake, right or left	8.00
PETIC	TT 1600	Oiler for rear hub brake bracket	.10
RETIG SETIG	H-1603	Cap screws and nut for holding gear	4.4
TETIG .	H- 292	mounts together (three)each Strut rod for rear axle	2.50
ZETIG :	H- 291	Bolt for rear axle strut rod	.30
BITIG	*** ~~*		
CITIG		Rear Wheel.	
DITIG		Rear wheel complete with rim, bearing	
FITIG .		and cap, but less tire and beads\$	53.00
KITIG		Rear wheel complete with rim but with-	*.
LITIG		out bearing or cap and less tire and	
MITIG PITIG	TT 041	beads	35.00
RITIG	H- 241	Tube for rear hub	.40 .25
SITIG	H- 251	Key for rear axle hub	.20
TITIG	H- 229	Rear wheel hub, inside flange	8.00
ZITIG	H- 240	Flange for rear wheel hub, outside	1.70
BOTIG	H- 224	Oil retainer for rear wheel hub	1.00
COTIC	H- 263	Brake drum for rear wheel	6.00
DOTIG FOTIG	H-1629	Bolt and nut for rear wheel hubeach	.10
KOTIG	H- 299	Brass hub cap for rear wheel	2.00
LOTIG	ا ا	wheel hub	14.50
MOTIG			14.00
POTIG		Universal Joint.	
ROTIG		Universal joint shaft, assembled com-	1. 19
SOTIG		plete, with front and rear universal	
TOTIC		joints and leather boot\$	
ZOTIG . BUTIG	H- 25	Universal joint, front, complete	6.00
CUTIG .	H- 25 H- 26	Hub for front universal joint with pins. Ball for front universal joint	5.00
DUTIG	H- 27	Pin for front universal joint	.75
FUTIG	H- 28	Shaft for universal joint	10.00
KUTIG		Universal joint, rear, complete	12.60
LUTIG	H- 19	Yoke for rear universal joint on univer-	
MUTIG	TT 00	sal shaft	. 5.00
	H- 20	Yoke for rear universal joint on driving shaft	
PUTIG		ing enaft	5.00
RUTIG	LT no	Cross for room emirroral init	
RUTIG SUTIG	H- 22	Cross for rear universal joint	3.50
RUTIG	H- 22 H- 21	Cross for rear universal joint  Bronze bushings for rear universal joint cross (four)each	

	<del></del>		
CODE WORD			
BAZIG	H-1615	Bolt and nut for rear universal joint	O.F
CAZIG		(four)each	.25
DAZIG	in a tra	Grease cup for rear universal joint Grease cup elbow for rear universal	.35
FAZIG	•	Grease cup elbow for rear universal	.20
KAZIG	·. ·	joint	1.25
LAZIG MAZIG	H- 24	Dust guard ring for front universal joint	1.70
PAZIG	H- 30	Sleeve for universal joint shaft	.50
RAZIG	H- 23	Socket for front universal joint	14.00
SAZIG	H-1617	Set screw for front universal joint socket	.20
TAZIG	H-1700	Check nut for front universal joint	
ZAZIG		socket set screw (per doz., .25)	.05
BEZIG	H-1616	Cap screw for attaching dust guard	
CEZIG		ring to universal joint socketeach	.05
DEZIG			
FEZIG			
KEZIG		Hub Brakes on Rear Axle.	
LEZIG	1 No. 10		
MEZIG		Inside band for rear axle hub brake	
PEZIG		with lining, rivets, and end clips\$	3.00
REZIG		Lining and rivets for rear axle hub	4 00
SEZIG TEZIG	LT OOD	brake inside band	1.00
ZEZIG	H- 902 H- 903	Guard for brake band, outer	.25 .60
BIZIG	H- 904	Brake band, outer	2.00
CIZIG	H- 905	Brake band, inner	.60
DIZIG	H- 906	Strap for brake band, inner	.40
FIZIG	H- 935	Bolt for hub brake mud guards	.25
KIZIG	4507	Connection for inside brake on rear hub	
LIZIG		½" hole	.20
MIZIG	4508	. Screw for inside brake on rear hub, 1/2"	
PIZIG		diameter of shank	.80
RIZIG	4509	Nut for screw for inside brake, 1/2" hole	
SIZIG	TT 040	(per doz., .50)each	.05
TIZIG	H- 940	Shaft for inside brake, right side	1.50
ZIZIG	H- 942	Shaft for inside brake, left side	1.50
BOZIG	H- 916	Screw for adjusting stop on inside	.10
DOZIG	II- 917	brake (three)each Nut for adjusting screw on inside	.10
FOZIG	11 511	brake (three) (per doz., .25) each	.05
KOZIG		Outside brake band with lining, clips	•••
LOZIG	********	and guard	3.00
MOZIG		Lining and rivets for outside brake band	1.00
POZIG	H- 915.	Screw for outer brake band	.20
ROZIG	H- 917	Nut for screw for outer brake band	.05
SOZIG	H- 938	Screw for adjusting stop inside brake.	25
TOZIG	H- 919	Clip for outside brake	.10
ZOZIG	H-921	Hook for hub brake mud guard Rivet for hub brake mud guard	.16
BUZIG CUZIG	H- 922 H- 923	Clip for internal brake band	.05 .15
DUZIG	4542	Thumb screw for outside brake	.15
FUZIG	4543	Thumb screw for outside brake Spring for outside brake	.25
KUZIG	H- 939	Shaft for outer brake band, right	1.50
LUZIG	H- 941	Shaft for outer brake band, left	1.50
MUZIG	H- 912	Levers for hub brake	1.00
PUZIG	H-1651	Pin for hub brake lever (per doz., .50).each	.05
RUZIG	H- 972	Mudguard for hub brake, front half right side with clip, set screw and	•
SUZIG		right side with clip, set screw and	
TUZIG		lock nut	.60
ZUZIG	•		

Order Parts by serial part number and name in full.

Give number of motor.

Read Instructions before ordering.

The telegraph code key-word for this book is HARMONY.

	CITOTEL	TO MODEL A PRICE LIST OF PARTS.	
CODE	-		<del></del>
WORD			
BABOM	TT ame		
CABOM			
DABOM		SIGE WITH CITES CON CONSTRUCT In also were	
FABOM	H- 969	and nooks	.80
KABOM	11- 909	Mudguard for hub brake, front hali left	
LABOM		side with clips, set screws and lock	
MABOM		nuts	.60
PABOM	510	Mudguard for hub brake, rear half left	jil, ili
RABOM		side with clips, set screws, lock nuts	,
SABOM	H- 935	and hooks	.80
TABOM		Nut for hub brake mudguard bolt (per	.20
ZABOM		doz., .50)each	
BEBOM		• • • • • • • • • • • • • • • • • • •	.05
CEBOM			
DEBOM		BODY PARTS.	
FEBOM		Front seat complete including seat	
KEBOM		cushions cushions	
LEBOM		cushions\$	60.00
<b>MEBOM</b>		Front seat hatch door	12.00
PEBOM		Front seat hatch door hinge	.50
REBOM		* 1 VIII SCAL HEEL DOSTA COMBIALA	.05
SEBOM	<b>`</b>	LUCK IOF IFORE SEAT heel hourd	4.00
TEBOM		Times for front seat heel hoard	.40
ZEBOM .	H-1223	Collar for fon iron	.05
BIBOM	H-1224	Conai for top fron	.10
CIBOM	H-1240	TO CHILDICEU DIALE FOR HOOF BOOFA	.10 .25
DIBOM	H-1241	Clamp for top fron	.15
FIBOM	H-1243	Canopy IOD Iron, right rear	.40
KIBOM LIBOM	H-1245	Canopy top fron, left, rear.	.40
MIBOM	H-1267	Step	1.20
PIBOM	H-1278	+ late for bony boil	.10
RIBOM	If-1279	Carriage post for body	.25
SIBOM	H-1280 H-1281	TUE DOATH STOD	.15
TIBOM	11-1201	'' douct for nonv tagtener	.05
ZIBOM	H-1113	NULL STICK OF head too fromt and	.40
ВОВОМ	H-1112	Brass sill plate, front, right	.90
COBOM		Side door minds front, left	.90
DOBOM		2.40 door light Commete with look	<i>i</i> /.,
FOBOM	H-1275	less hinges and handle	• 20.00 i
KOBOM -		Side door handle, right.	1.00
LOBOM	<b></b>	DIGC GOOL LOCK, 1888 DANGIA	1.00
MOBOM ?		Cide door minge, miner, front	1.50
POBOM	•	Side door hinge, lower, right	2.00
ROBOM		Fastener for door pocket.	10
ОВОМ		Side door, left, complete with lock, less	.15
ОВОМ		hinges and handle	00.00
OBOM	H-1275	Side door nandle, left	20.00
BUBOM	14.7	DIGC GOOF LOCK, left lece haddle	1.00
UBOM	· ·	Side door hinge, upper, left	1.00
DUBOM		Side door hinge, lower, left	1.50
UBOM			2.00
UBOM	A		.10
UBOM			.15 50
IUBOM			.50 .50
UBOM		Rear seat cushion	25.00
UBOM	•	Medi Seat natch door	.75
UBOM		Near Seat, hatch door hinge	.05
UBOM UBOM		TIVIECTION DAG ON DACK OF fromt and	4.00
ODOM	•	Rear seat heel board	4.00
Re	Silra to	put your name and motor number on	
	and to	Put your name and motor number on	

CODE			
WORD			
BADOM	• •	T = 1 f = 1	40
CADOM		Lock for rear seat heel board	.40
DADOM		Hinges for rear seat heel board	.05
FADOM	LJ 1070	Roll stick or bead for rear seat	.40
KADOM	H-1272	Front floor rubber mat	3.00 4.00
LADOM.		Rear floor carpet	, 4.00
MADOM		ing the three following items	6.00
PADOM	H-1265	ing the three following items	2.00
RADOM	H-1268	Running board, right, only	3.00
SADOM	11-1200	Brass strip and screws for running	3.00
TADOM	•	hoard right	1.60
ZADOM	•	board, right	1.00
BEDOM	2 .	the three following items	6.00
CEDOM	H-1266	Running board, left, only	1.20
DEDOM	H-1269	Rubber mat for running board, left	3.00
FEDOM		Brass strip and screws for running	
KEDOM	•	Brass strip and screws for running board, left	1.60
LEDOM		Front floor complete	1.00
MEDOM		Front floor hatch door	.60
PEDOM		Lock for front floor hatch	.20
REDOM		Iron for front floor hatch	.05
SEDOM	3 11 8 Land	Rear floor complete	1.00
TEDOM		Rear floor hatch door	.60
ZEDOM		Lock for rear noor natch door	.20
BIDOM	•	Hinges for rear floor hatch door	.05
CIDOM	H-1276	Body bracket, front, right	3.00
DIDOM	H-1277	Body bracket, front, lefteach	3.00
FIDOM	H-1273	Center body fastener (two)each	.60
KIDOM	H-1274	Rear body fastener (four)each	.60
LIDOM	• •		
MIDOM	***	/ Fenders.	ry ta.
PIDOM		Right front fender with irons\$	12.00
RIDOM		Left front fender with frons	12.00
SIDOM		Right rear fender with irons	10.00
TIDOM	<b>**</b>	Left rear fender-with irons	10.00
ZIDOM	H-1257	Angle plate for running board support	- ^-
BODOM		on front fender, right	1.25
CODOM	H-1258	Angle plate for running board support	105
DODOM	7T 100#	on front fender, left	1.25 .05
FODOM	H-1237	Rivet for fender, short (per doz., .25).each	.05
LODOM	H-1238 H-1251	Rivet for fender, long (per doz., .25).each  Bracket for rear fender iron on mud	.00
MODOM	TT-TSOT	guard	1.25
PODOM	H-1252		1.25
RODOM	H-1252	Bracket for fender iron	,
SODOM	TT-TWOA	on rear fender, right	1.25
V - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			2.00
TODOM	H-1255	Angle plate for running hoard support	
TODOM ZODOM	H-1255	Angle plate for running board support	1.25
ZODOM		Angle plate for running board support on rear fender, left	1.25
	H-1255 H-1256	Angle plate for running board support on rear fender, left	1.25 1.25
ZODOM BUDOM		Angle plate for running board support on rear fender, left	
ZODOM BUDOM CUDOM	H-1256	Angle plate for running board support on rear fender, left	
ZODOM BUDOM CUDOM DUDOM FUDOM	H-1256 H-1259	Angle plate for running board support on rear fender, left	1.25
ZODOM BUDOM CUDOM DUDOM	H-1256 H-1259	Angle plate for running board support on rear fender, left	1.25 1.25
ZODOM BUDOM CUDOM DUDOM FUDOM KUDOM	H-1256 H-1259 H-1225	Angle plate for running board support on rear fender, left	1.25 1.25 3.00
ZODOM BUDOM CUDOM DUDOM FUDOM KUDOM LUDOM	H-1256 H-1259 H-1225 H-1226 H-1227	Angle plate for running board support on rear fender, left	1.25 1.25 3.00 3.00
ZODOM BUDOM CUDOM DUDOM FUDOM KUDOM LUDOM MUDOM	H-1256 H-1259 H-1225 H-1226 H-1227	Angle plate for running board support on rear fender, left	1.25 1.25 3.00 3.00 3.00
ZODOM BUDOM CUDOM DUDOM FUDOM KUDOM LUDOM MUDOM PUDOM RUDOM SUDOM	H-1256 H-1259 H-1225 H-1226 H-1227 H-1228	Angle plate for running board support on rear fender, left	1.25 1.25 3.00 3.00 3.00 3.00
ZODOM BUDOM CUDOM DUDOM FUDOM KUDOM LUDOM MUDOM PUDOM RUDOM	H-1256 H-1259 H-1225 H-1226 H-1227 H-1228 H-1229	Angle plate for running board support on rear fender, left	1.25 3.00 3.00 3.00 3.00 3.00 3.00
ZODOM BUDOM CUDOM DUDOM FUDOM KUDOM LUDOM MUDOM PUDOM RUDOM SUDOM	H-1256 H-1259 H-1225 H-1226 H-1227 H-1228 H-1229 H-1231	Angle plate for running board support on rear fender, left	1.25 3.00 3.00 3.00 3.00 3.00 3.00 3.00

Read Instructions before ordering.
The telegraph code key-word for this book is HARMONY.

	CADILLAC MODEL II FRICE LIST OF FARTS.	
CODE		-
WORD	Battery Box Case.	
BAFOM	Battery box case with lock, hinges and	
CAFOM	mat\$	8.0
DAFOM	Cover for battery box case, complete	3.0
FAFOM KAFOM	Spring for battery box case	.0
LAFOM	Rubber mat for battery box case Brass strip for battery box case	.5
MAFOM	Brass cornerseach	.1
PAFOM	Lock and key for battery box case	
RAFOM	Hinges for battery boxeach	.0
SAFOM		٠.
ГАГОМ	Tool Kit.	
ZAFOM		1
BEFOM	Tool kit complete with tool bag\$	30.0
CEFOM	10" trimo pipe wrench	1.0
DEFOM	10" monkey wrench, B. & S	1.7
FEFOM	4" monkey wrench, No. 97 B. & S	
KEFOM	Prick punch	1.0
LEFOM	Fan belt, cotton	1.
MEFOM PEFOM		1.0
REFOM	Can soldering paste	
SEFOM	6 pieces wire soldereach	
ГЕГОМ	Pliers	
EFOM	Oil gun	
BIFOM	2 spools copper wire, 1 No. 18, 1 No.	
CIFOM	20each	1
DIFOM	2 spark plugs, rajaheach	1.0
FIFOM	Box assorted cotter pins	- in - <b>. .</b>
KIFOM	Cotter pin puller	
LIFOM	Roll friction tape	
MIFOM	Auto Jack, Peerless No. 15	<b>, 2.</b> 0
PIFOM	Oil can Wheel puller	, ( 2.0
RIFOM	Tire nump Stanley	5.0
SIFOM TIFOM	Tire repair kit	3.0
ZIFOM	Tire pump, Stapley Tire repair kit	
BOFOM	No. 323B socket wrench 36" square	
OFOM	No. 325B socket wrench, 3/8" hexagon	
OFOM	Hub cap wrench for front wheel	
OFOM	Hub cap wrench for rear wheel	.:
COFOM	11/16"x7%" open end wrench No. 294	
OFOM'	25/32" off-set wrench No. 267	
MOFOM	1-3/32" closed end wrench No. 807	
OFOM	Off-set screw driver	
ROFOM	4" nat smooth file and handle	
OFOM	6" round file and handle	
OFOM	3" screw driver	
COFOM BUFOM	3¼"x5/16" screw driver	
CUFOM	7"x5/16" screw driver/	
DUFOM	5%" cold chisel	•
FUFOM	3%" cold chisel	
KUFOM	3/16" nail set	
LUFOM	1/4" nail set	.1
MUFOM	• 1/4" nail set	.1
PUFOM	Tool bag	4.0
RUFOM		
SUFOM		
<b>TUFOM</b>		
ZUFOM		

CODE	¥ .				
WORD		San San San	Tool Box.		•
BAGOM	•	Tool bo	x with lock, his	nges and mat	.\$ 8.00
CAGOM		Cover fo	or tool hox cor	nplete	. 3.00
DAGOM				ox	
FAGOM				X	
KAGOM				box	
LAGOM				box	
MAGOM	. •				
PAGOM				eac	

#### TIRES

#### Do Not Send Tires To Us.

We do not guarantee, replace or repair Tires under any circumstances. All Tires used on Cadillac cars are guaranteed by their respective makers and all claims must be made and Tires sent direct to them.

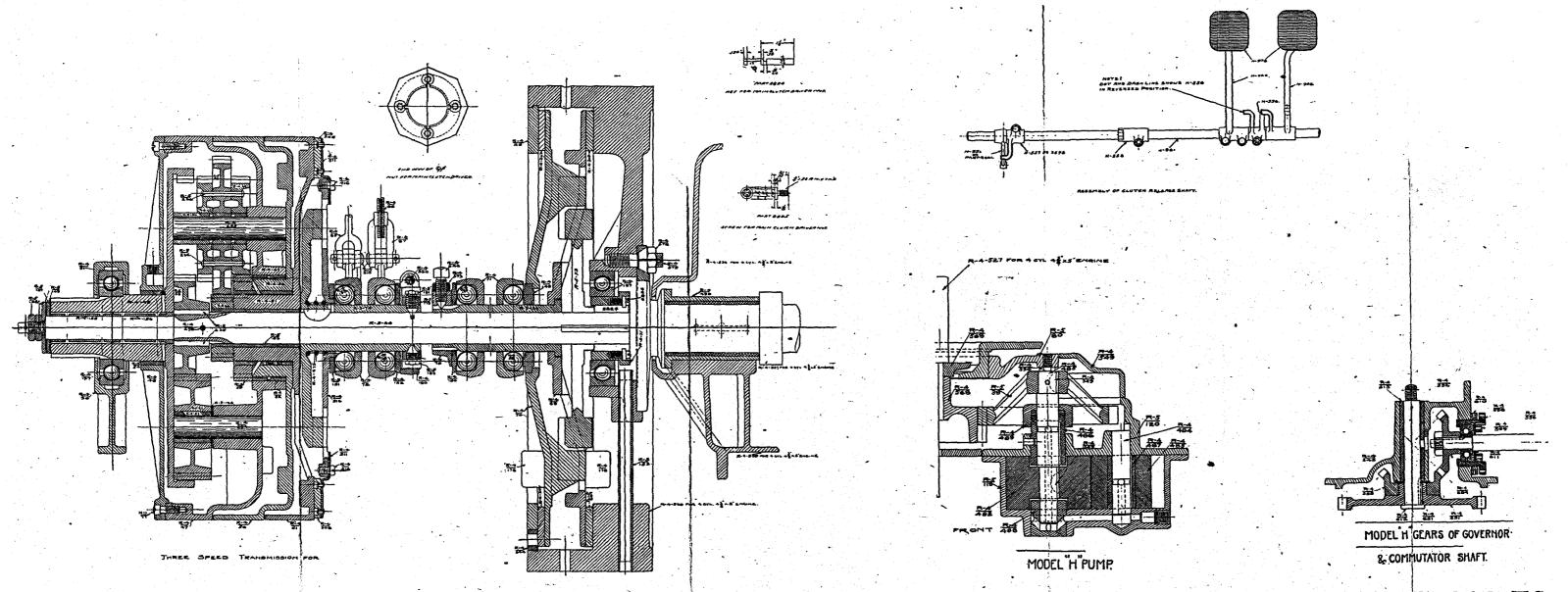
Tires sent to us will not be accepted from the transportation company.

Order Parts by serial part number and name in full.

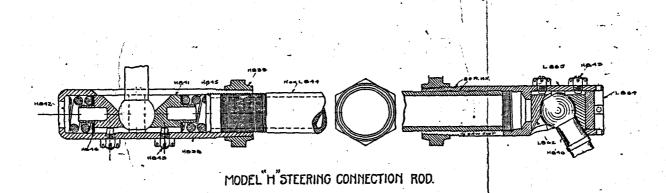
Give number of motor.

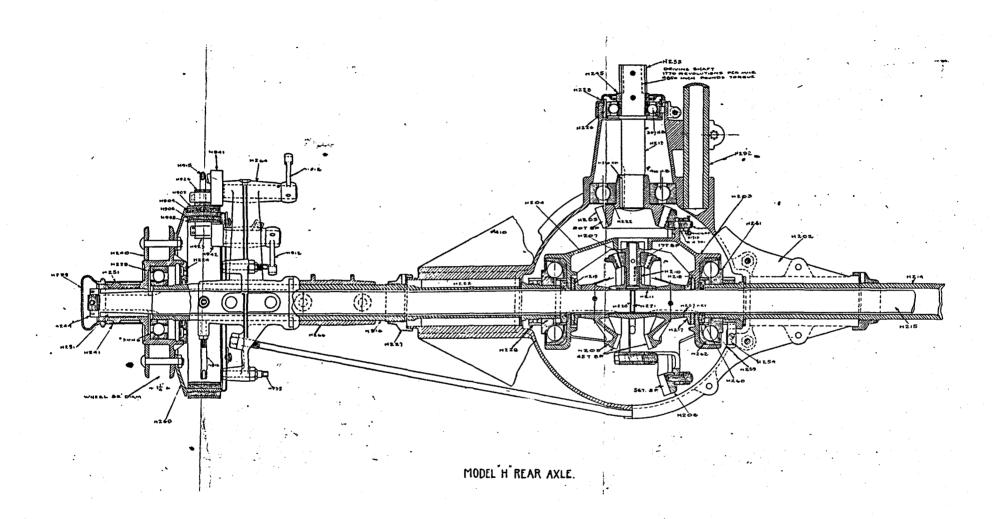
Read Instructions before ordering.

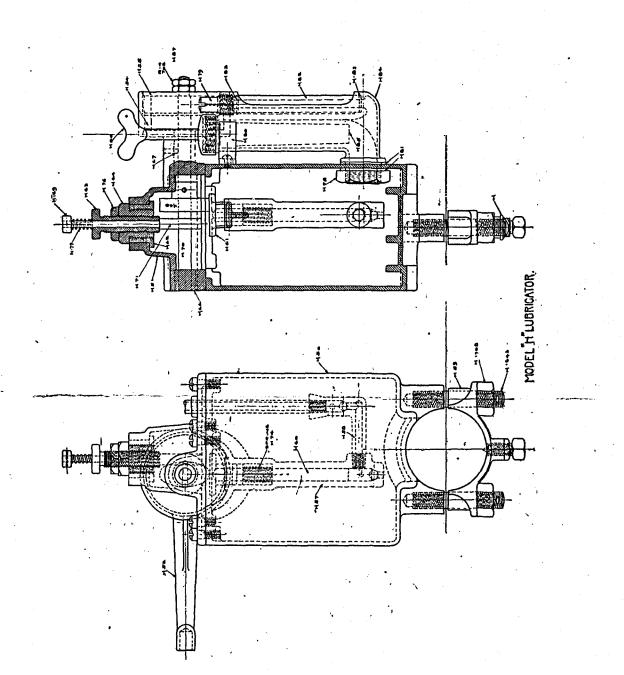
The telegraph code key-word for this book is HARMONY.

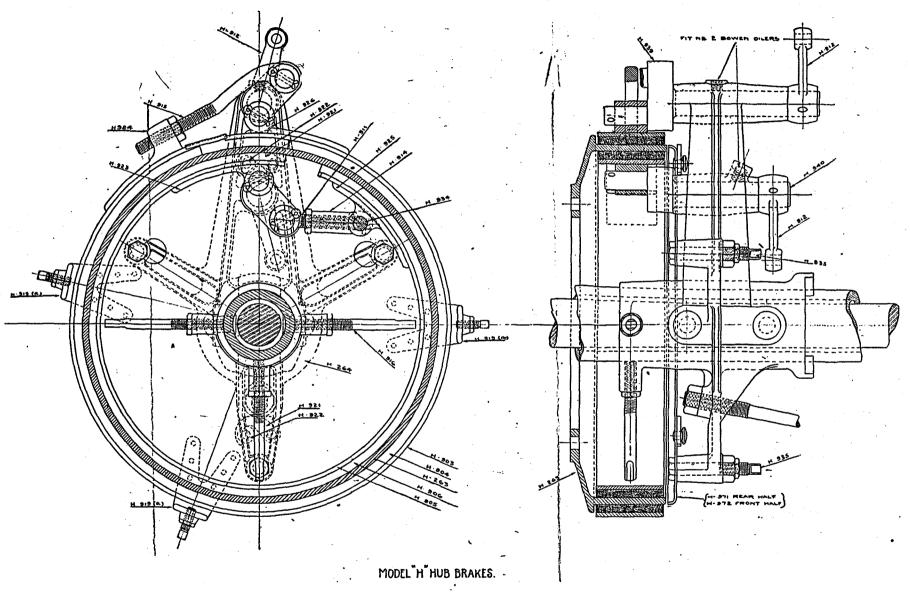


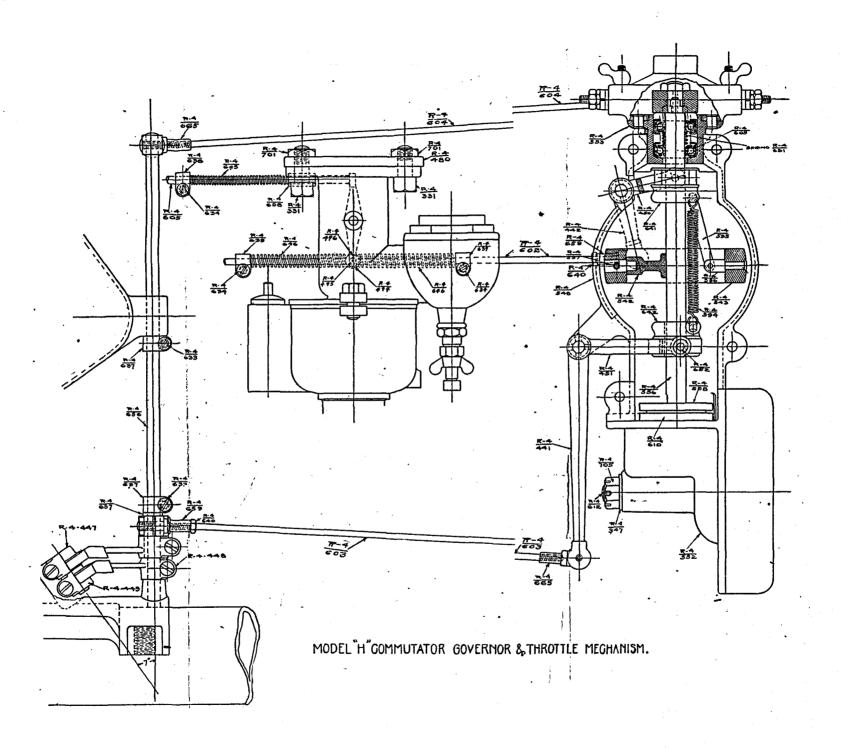
SUPPLEMENT TO CADILLAC "MODEL H" PRICE LIST OF PARTS.











6.

