

The Car You Have Been Waiting For

Cranking By Hand Absolutely Eliminated

Automatic electric starting device. Electric lights. Two complete ignition systems. Scientifically developed carburetor. Eight more H. P. than 1911. Larger wheels and tires. Larger brake drums. Steel bodies of latest accepted designs. Numerous refinements of essential details.

Cadillac Electrical System

STARTING. LIGHTING. IGNITION.

The electrical plant in the new Cadillac not only accomplishes what heretofore has been accomplished in a less efficient manner by separate systems—ignition and lighting—but goes further and includes in its functions a feature to which motorists have long looked forward, an automatic starter which obviates the necessity of cranking by hand.

The plant consists of a compact and powerful dynamo operated by the engine of the car. The dynamo charges the storage battery.

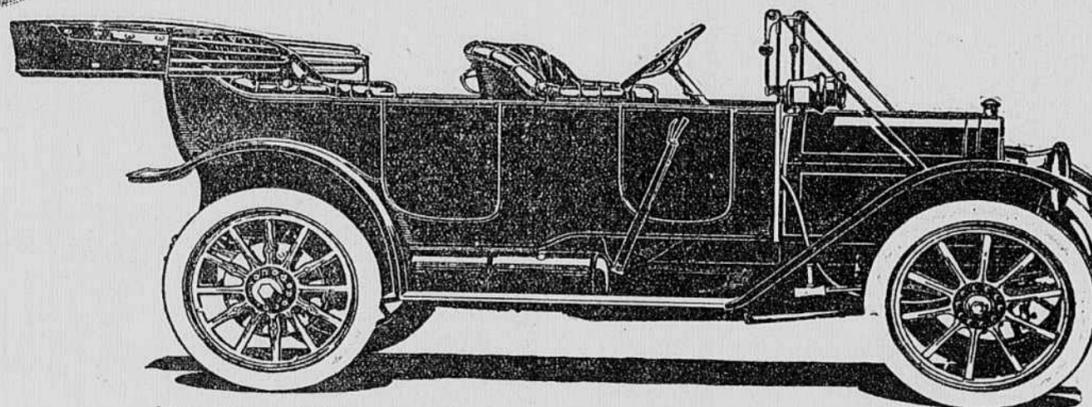
For starting the engine the dynamo is temporarily and automatically transformed into a motor, the current to operate it as a motor being furnished by the storage battery.

To start the engine, the operator, after taking his seat in the car, simply retards the spark lever and pushes forward on the clutch pedal. This automatically engages a gear of the electric motor with gear teeth in the fly wheel of the engine, causing the latter to "turn over," thereby producing the same effect as by the old method of cranking. As soon as the engine takes in charges of gas from the carburetor and commences to run on its own power, the operator releases the pressure on the clutch pedal, the electric motor gear disengages its connection with the fly-wheel and the car is ready to be driven. The electric motor then again becomes a dynamo or generator, and its energy is devoted to ignition and to charging the storage battery.

The storage battery has a capacity of 80 ampere hours, and as soon as that capacity is reached the charging automatically ceases.

Practical tests have shown that the storage battery is of sufficient capacity to operate the starting device and "turn over" the engine about twenty minutes, although it seldom requires more than a second or two. In fact, the Cadillac engine so frequently starts on the spark that the use of the electrical starter is not always required.

The storage battery also supplies the current for lighting. The car is equipped with two especially designed Gray & Davis electric headlights, with adjustable focus, two front side lights, tail light and speedometer light.



This Wonderful Car Can Be Seen After September 1st At

JONES MOTOR CAR COMPANY, Allen Avenue and Broad Sts., Monroe 463, Sub-Agents Wanted.

The dynamo also supplies current for ignition. Up to 280 to 300 R. P. M. the ignition current comes from the storage battery; above that speed the current is direct from the dynamo through the high-tension distributor to the spark plugs. For ignition purposes the dynamo performs not only all the functions of the most highly developed magneto, but possesses even greater efficiency, having more flexibility and a greater range of action. When compelled to drive slowly in crowded thoroughfares, over very bad roads or on hills, with the usual magneto, the driver may stall his motor because the magneto is not being driven fast enough to generate current, and it becomes necessary to switch to the battery—if he has one. With the Cadillac system, if it becomes necessary to drive so slowly that sufficient current is not generated the battery automatically cuts in. When the speed is increased the dynamo again automatically takes hold. It wholly obviates the necessity of the driver's keeping constantly on the alert to prevent stalling the motor.

In addition to the ignition before described, the Cadillac is provided with the auxiliary Delco system with dry cell current, which has proven so satisfactory in the past. The extra system is separate and distinct, with its own set of spark plugs, and in itself is thoroughly efficient for running the car, entirely independent of the main system.

The entire electrical plant has been designed with a view to compactness and efficiency. It is designed with the idea of simplicity and positiveness. It is designed to obviate to the greatest possible degree the necessity of attention. Above all, it does what it is designed to do.

Standard Equipment—Dynamo with 80 A. H. battery for automatic starter, electric lights, and ignition. Also Delco distributor system. Lamps especially designed for Cadillac cars, black enamel with nickel trimmings; two headlights; two side lights, tail light. Gasoline gauge on dash; horn; full foot rail in tonneau; half foot rail in front; robe rail; tire irons; set of tools, including pump and tire repair kit; cocoa mat in all tonneaux except closed cars. Speedometer, Standard, improved, with 4-inch face and electric light. Nickel trimmings.

Styles and Prices—
Touring car \$1800.00
Phaeton 1800.00
Roadster 1800.00
Torpedo 1900.00
Coupe, Sedan type, aluminum body 2250.00
Limousine, Berline type, aluminum body 3250.00
Prices F. O. B. Detroit, including standard equipment.

IN MOTORDOM.

Shannon G. Lees, of the Jones Motor Company, has just returned from a trip through the central West. While away he spent some time at the Cadillac factory in Detroit. A consignment of 1912 Cadillacs is expected shortly.

Opportunity to size up the work of some of the new models that will start in the Glidden tour will be found in the 300-mile run of the Buffalo Automobile Club on September 6, 7, 8 and 9, which will be a sort of curtain raiser to the Glidden tour. Two of the three Maxwells that have been entered in the contest from New York to Jacksonville, Fla., will compete in the Buffalo contest, and it is quite likely that several other Glidden cars will start in this run. The Maxwell drivers will

make an effort to again capture the Laurens Enos trophy for the best all-around score, which was won last year by Charles E. Munroe's Maxwell.

Revision of automobile prices for 1912 by many of the prominent makers will put a new complexion on the contest situation so far as concerns the classification of cars into price divisions. Changes in the selling price, whether small or large, will put many cars in classes in which they did not compete last year and very few of the makers will meet the same competitors this season.

One of the pronounced changes in this respect is the placing of the new Maxwell "Special," a \$1,250 car in class 3A for cars selling between \$1,201 and \$1,500. The Maxwell, therefore, will be almost at the bottom of its class and will have to compete against cars of higher price and power in all reliability events, including the Glidden tour.

This realignment of rival cars, how-

ever, has not deterred the company from planning an aggressive campaign

of reliability contests and their confidence in the new "Special" will be

OFFICIAL BATTING AVERAGES RICHMOND AMATEUR LEAGUE

Player	AB	R	H	BI	BH	HR	SH	ER	TB	PC	P
Buchling, J. Battle Axe	15	3	9	1	0	0	0	0	10	100	0
Burch, Skreemers	20	2	2	0	0	0	0	0	5	50	414
Burns, B. Alico	7	1	1	0	0	0	0	0	1	14	382
Ford, W. Alico	15	3	6	1	1	0	0	0	1	14	375
Rady, Barton Heights	24	5	9	1	2	0	0	0	11	25	267
Ward, Athletics	17	1	3	0	0	0	0	0	1	6	24
Hay, W. C. C. A.	9	1	2	0	0	0	0	0	1	6	158
Erlic, Virginians	15	1	5	1	0	0	0	0	1	6	108
Wolox, B. Skreemers	11	1	1	0	0	0	0	0	1	6	145
Whitfield, J. Battle Axe	47	13	16	3	0	0	0	0	7	19	510
Ward, T. Battle Axe	27	10	17	2	1	1	0	0	5	25	340
Paschall, Barton Heights	59	13	22	2	1	1	0	0	3	20	573
Clarke, D. Alico	15	4	5	1	0	0	0	0	5	8	333
Peartman, Athletics	11	1	3	1	0	0	0	0	2	3	333
Bauer, W. Alico and Virginians	8	2	2	0	0	0	0	0	4	28	273
Smith, Skreemers	13	2	6	0	1	0	0	0	6	6	323
Jenkins, Athletics	10	1	2	0	0	0	0	0	1	6	341
Pitt, Barton Heights	66	24	32	4	2	0	0	0	4	23	724
Kline, Highlanders and Skreemers	47	13	13	2	0	1	0	0	7	17	324
Harman, C. C. A.	19	2	5	0	0	0	0	0	4	23	319
Morgan, C. Alico and Skreemers	19	4	5	0	0	0	0	0	4	16	316
Gruber, Barton Heights	18	11	19	2	0	0	0	0	3	5	311
Wickett, Virginians	12	1	1	0	0	0	0	0	1	6	300
Shelton, P. Barton Heights	29	3	5	0	0	0	0	0	6	6	300
Murr, Skreemers	21	2	2	0	1	2	0	0	2	22	300
Swift, Virginians and Alico	11	2	4	0	1	0	0	0	4	9	290
Cosello, Highlanders	12	2	4	0	1	0	0	0	4	6	266
Dowden, L. Alico and Barton Heights	27	2	2	1	0	1	0	0	3	10	256
Gray, Highlanders	29	1	1	0	0	0	0	0	1	2	251
Eskeel, Barton Heights	11	1	3	0	0	0	0	0	10	17	246
Dyson, C. C. A.	12	1	1	0	0	0	0	0	1	5	278
Dawden, C. Alico and Skreemers	7	5	14	1	0	0	0	0	8	17	335
Dowder, L. Athletics and Skreemers	25	11	15	1	2	1	1	1	4	23	268
Whitfield, J. Battle Axe	5	1	1	0	0	0	0	0	7	10	267
Schmidt, Battle Axe	19	5	10	2	2	0	0	0	6	16	266
Knight, Skreemers	12	1	4	1	1	0	0	0	5	26	262
Cherry, Athletics and Barton Heights	23	4	6	0	0	0	0	0	4	7	251
Doppel, Skreemers	27	1	1	0	0	0	0	0	1	3	251
Wicks, B. Skreemers	26	4	9	0	0	0	0	0	4	19	250
Trotter, Barton Heights and Alico	23	7	7	0	0	0	0	0	2	16	250
Kendler, Van, B. A. and Skree	16	1	1	0	0	0	0	0	4	15	250
Lebe, Highlanders	16	1	1	0	0	0	0	0	4	4	250
King, Athletics	14	2	4	0	0	0	0	0	4	25	245
Robinson, Skreemers	11	2	4	1	0	0	0	0	6	6	245
Graberger, Alico and Skreemers	31	6	12	0	0	0	0	0	1	9	243
Wagner, C. C. A.	11	1	1	0	0	0	0	0	1	1	243
Jones, L. C. C. A.	51	6	12	2	1	0	0	0	20	23	243
McKee, Athletics	19	5	11	2	0	0	0	0	4	10	239
Goose, B. Barton Heights	9	1	2	0	0	0	0	0	4	10	224
Black, Battle Axe and Virginians	8	1	2	0	0	0	0	0	1	1	217
Smith, Athletics	19	3	4	1	1	0	0	0	5	10	216
Langhorne, Barton Heights	15	2	2	0	0	0	0	0	4	5	207
Jones, E. C. C. A.	15	2	2	0	0	0	0	0	4	5	207
Sweeney, Barton Heights	22	3	10	4	0	0	0	0	3	4	209
Lumpkin, Highlanders	21	3	5	0	0	0	0	0	1	7	192
Engel, C. C. A.	11	1	4	0	0	0	0	0	3	5	191
Nelson, C. C. A.	11	1	4	0	0	0	0	0	4	5	190
Bryan, W. W. Virginians and Alico	22	6	2	0	0	0	0	0	1	4	189
Dolan, Battle Axe	17	14	1	2	0	0	0	0	5	7	189
Hauer, C. C. A.	10	2	0	0	0	0	0	0	1	15	189
Stranford, Virginians	25	6	2	0	0	0	0	0	3	2	183
Bowers, C. C. Battle Axe	29	4	11	2	1	0	0	0	1	17	182
Boyer, B. Highlanders	22	2	1	0	0	0	0	0	1	9	181
Hunter, Athletics	22	1	4	0	0	0	0	0	4	5	181
Boehling, P. Battle Axe	17	5	3	0	0	0	0	0	4	4	182
Sweet, Highlanders	26	2	6	0	0	0	0	0	6	11	172
Paugh, Athletics	19	4	2	0	0	0	0	0	2	8	167
Hitchman, S. Athletics	14	1	1	0	0	0	0	0	1	1	167
Strahan, Skreemers and Alico	11	4	5	0	0	0	0	0	1	5	167
Harman, H. Athletics	11	4	7	1	0	0	0	0	1	9	161
Roy, Virginians	11	1	1	0	0	0	0	0	1	1	161
Orevaugh, Highlanders	11	6	6	4	0	0	0	0	0	4	165
Van Post, Highlanders	11	6	7	0	0	0	0	0	2	18	167
Gregory, Highlanders	11	6	7	0	0	0	0	0	7	12	165
Folkes, Virginians	11	1	1	0	0	0	0	0	2	4	156
Jones, H. C. C. A.	11	1	1	0	0	0	0	0	2	1	143
Hedford, Virginians	11	7	7	0	0	0	0	0	9	2	143
Pullen, Virginians	11	3	3	0	0	0	0	0	6	12	143
Walley, Athletics	11	2	0	0	0	0	0	0	2	6	126
Simpson, Highlanders	11	2	0	0	0	0	0	0	2	6	126
Hay, E. C. C. A.	11	2	0	0	0	0	0	0	1	2	122
Stout, Barton Heights	11	2	0	0	0	0	0	0	1	1	111
Post, P. Highlanders	11	2	1	0	0	0	0	0	1	2	101
Dawshney, Barton Heights	11	2	1	0	0	0	0	0	1	2	101
Morgan, H. Alico	11	2	1	0	0	0	0	0	1	2	101
Durbin, Virginians	11	2	1	0	0	0	0	0	1	2	101

backed up by frequent participation in important tests

Just as he was nosing to the front in a race with the Del Monte Express—one of the fastest trains in California—H. Brewington, an enthusiastic automobilist, of Watsonville, Cal., was deprived of his glory by Motorcycle Policeman Agraz, who called up from behind on his "single tracker" and told Brewington he was under arrest for speeding.

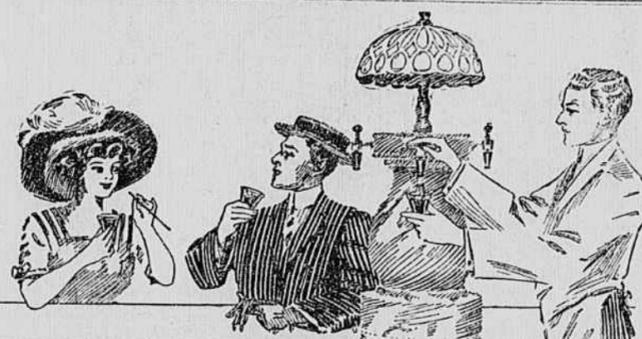
The race between the fast express and Brewington—who was cutting the wind over a county highway—was a thriller and had aroused the keen interest of all the passengers on the train. The race took on additional in-

terest, however, when Motorcop Agraz appearing in the distance became a third contestant and overhauled both the automobile and the train. Brewington, flushed with his victory over the fast express, was not greatly chagrined by his capture. "Nothing but a motorcycle could have done it," he said. "Come on; let's go."

Ample proof of the value of increasing the driving chains of a motor truck has been furnished by the A. C. Lawrence Leather Company, of Boston, whose five-ton Sampson freight motor has run 13,000 miles since it was purchased. Recently the chain cases of the vehicle, an important feature of the Sampson, were opened for

the first time to learn if the chains were in need of repairs. They were found to be so little worn that they were immediately put on again and are expected to give service for an indefinite time.

Employees of the Brush Runabout Company, of Detroit, Mich., have been provided with tennis courts and croquet after their welfare. The grounds were dedicated with the start of a tournament between six teams, five of which are captained by young women. The feminine element predominates, with thirty young women and twelve young men trying for honors.



Whenever You're Hot, Tired or Thirsty

Work, play or weather hot---brain tired or body weary---parched dry or just plain thirsty

Think of and Drink

Coca-Cola

It is delightfully cooling and refreshing---relieves fatigue of body, brain and nerves---quenches the thirst---not just wet and sweet, but vigorously satisfying.

Delicious---Refreshing---Wholesome

5c Everywhere

Send for our interesting booklet, "The Truth About Coca-Cola"

THE COCA-COLA COMPANY
Atlanta, Ga.

Whenever you see an Arrow think of Coca-Cola

"The Malt Without a Fault."

Rooney Malt Whiskey

To those in need of a mild and efficient stimulant or tonic, physicians recommend this popular brand. There is strength and nourishment in every drop.

It contains the rich blood-making, system-building properties of the barley malt, so essential to the weak in gaining health and strength.

Its superior medicinal value is recognized and appreciated by leading physicians.

Other popular brands which we recommend and guarantee are:

- OLD HENRY (39 years' record, mild and mellow).
- JEFFERSON CLUB (Standard everywhere).
- FULL DRESS (Price High, Quality Higher).
- DIXIE CORN (Old and Pure).
- TURKEY GIN (Perfection in Quality).

When ordering be sure and specify one or more of the above brands. They are for sale by all mail order houses in Washington, D. C., Richmond, Petersburg, Norfolk, Portsmouth, Newport News, Danville, Roanoke and Bristol, Va., also Jacksonville and Pensacola, Fla.

Refuse substitutes. Insist on the original. All of our goods are guaranteed under the National Pure Food Laws.

If your dealer can't supply you, write us and we will see that your order is filled.

Straus, Gunst & Company,

Distillers and Blenders of Fine Whiskies,
RICHMOND, VIRGINIA.