

# **NATIONAL ELECTRIC VEHICLES**

**ADVANCE CATALOG 1903**

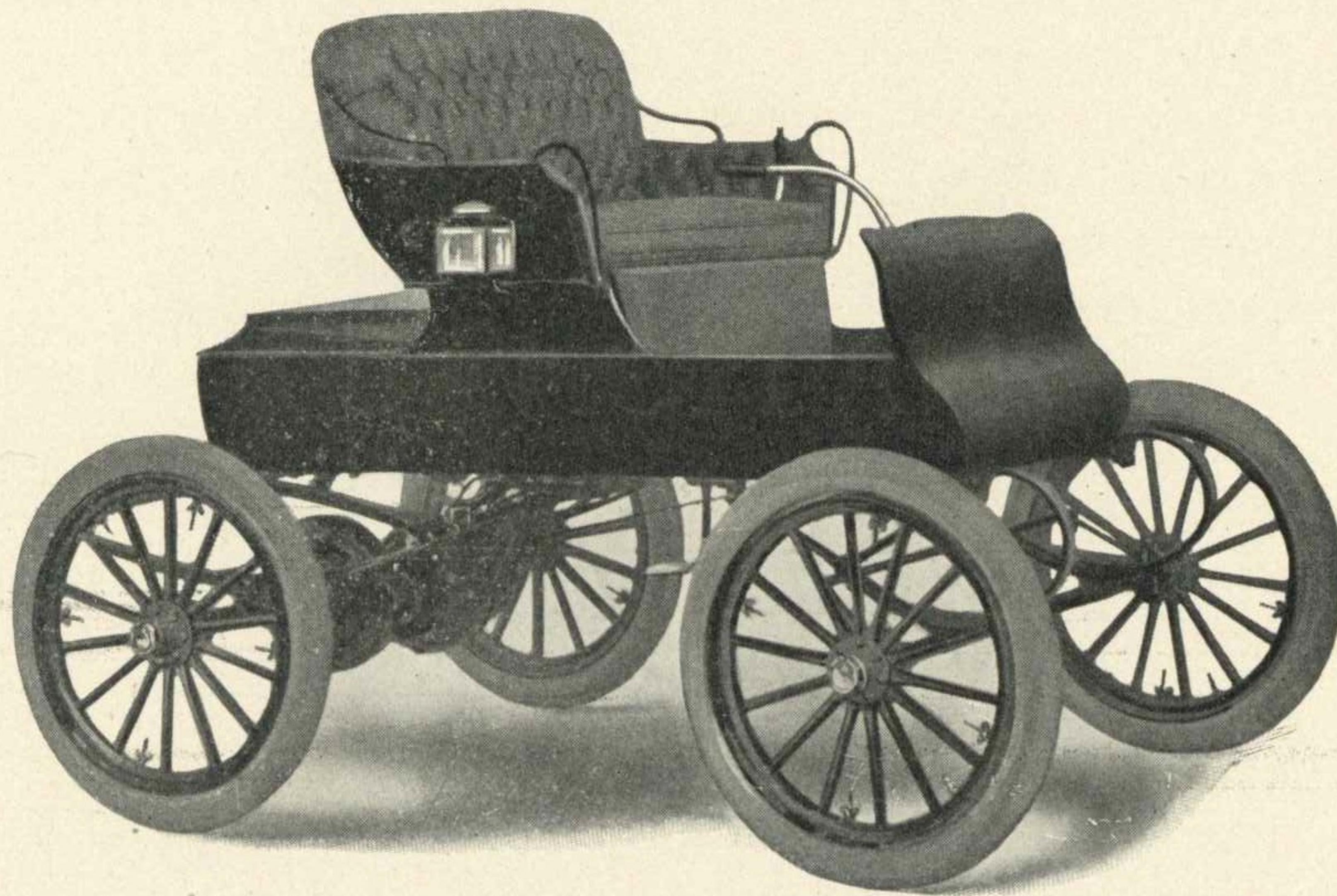
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National Motor Vehicle Company  
INDIANAPOLIS, IND., U. S. A.

NATIONAL  
ELECTRIC  
VEHICLES

CABLE ADDRESS: "AUTOMOBILE" INDIANAPOLIS  
A. B. C. Code, Fourth Edition. Western Union Code  
GENERAL OFFICES AND FACTORY: East Twenty-second  
Street and Monon Railroad & & & & & & & &

CENTRAL PRINTING CO., INDIANAPOLIS, IND.



**Model 50**  
**NATIONAL ELECTROBILE**

**Price \$950**

### **Description**

#### **Model 50**

**BODY**—Piano Box, curved panels, curved wood dash. Width, 29 inches; length, 71 inches; height from ground, 26 inches; width of seat, 38 inches.

**STANDARD FINISH**—Black body; carmine seat and boot risers; carmine gear.

**UPHOLSTERING**—Elegantly trimmed in leather.

**SPRINGS**—New pattern "C" springs in front, Elliptics in rear.

**WHEELS**—Wood, Artillery Pattern. Pneumatic tires, 30 x 3 inches. Diamond detachable, Continental type. Track, 54 inches.

**MOTOR**—NATIONAL, improved design, 6-pole type. Normal capacity,  $2\frac{1}{2}$  H. P.; overload capacity,  $7\frac{1}{2}$  H. P.

**GEARING**—Spiral or "Herring-bone" type, which run in oil in improved dust-proof case.

**CONTROLLER**—Four forward and four backward speeds—5 to 15 miles per hour. Push button reverse in end of handle.

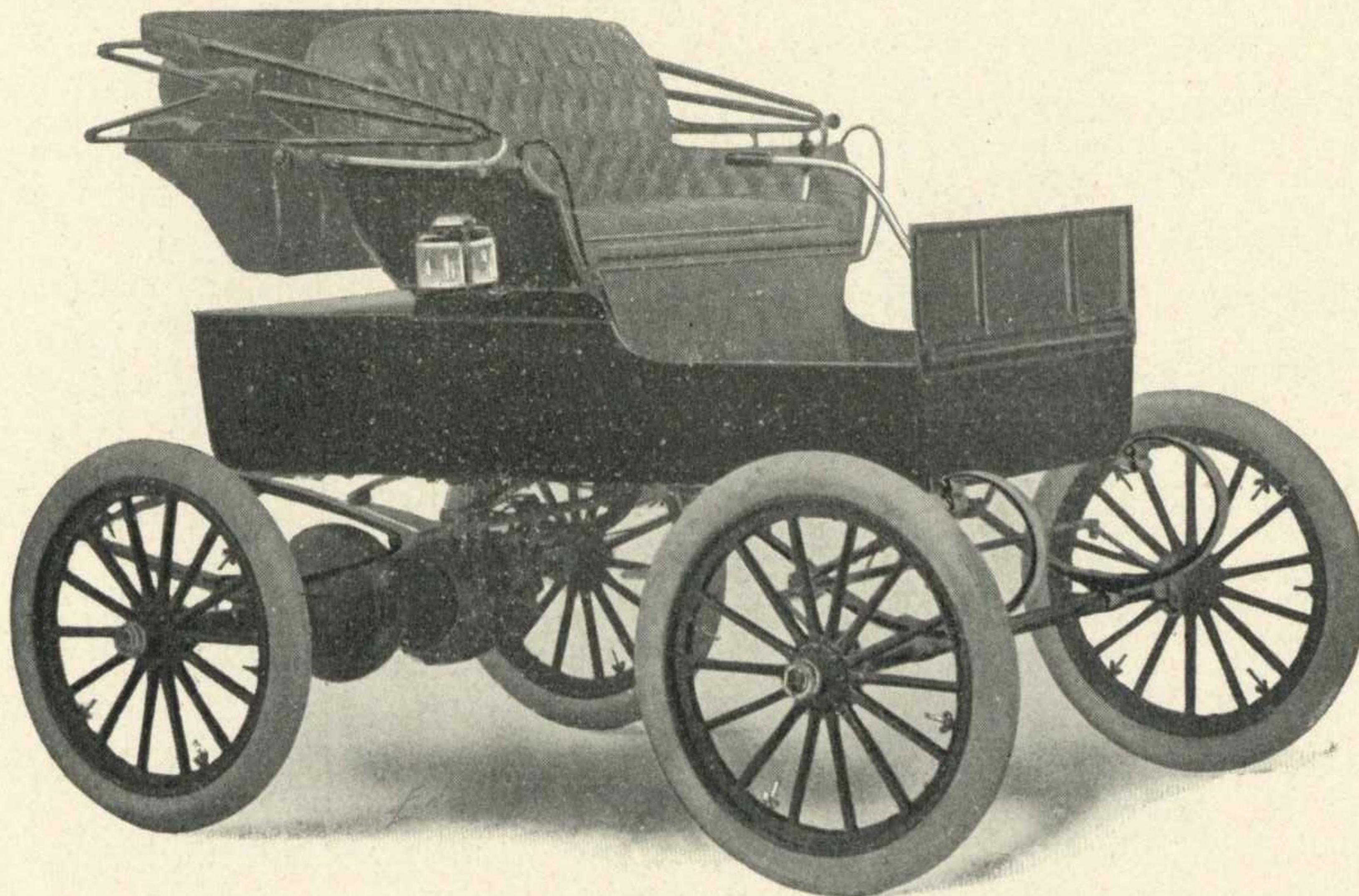
**BRAKE**—Compression band type, very powerful.

**METERS**—Each vehicle is equipped with an odometer and a combination volt-ammeter.

**BATTERY**—32 cells,  $3\frac{1}{4} \times 5\frac{1}{4} \times 10$  inches.

**RHEOSTAT**—For charging battery from 110 to 125-volt circuit, furnished with each vehicle.

**Model 55, same as above, with full leather top, \$1,000.**



Model 65

**NATIONAL ROAD WAGON**

Price \$1,000

**Description**

**Model 65**

BODY—Piano Box. Width, 29 inches; length, 70 inches; height from ground, 26 inches; width of seat, 38 inches.

STANDARD FINISH—Black body; carmine gear.

TOP—Full leather.

UPHOLSTERING—Elegantly trimmed in leather.

SPRINGS—New pattern "C" springs in front, Elliptics in rear.

WHEELS—Wood, Artillery Pattern. Pneumatic tires, 30 x 3 inches, Diamond detachable, Continental type. Track, 54 inches.

MOTOR—NATIONAL, improved design, 6-pole type. Normal capacity, 2½ H. P.; overload capacity, 7½ H. P.

GEARING—Spiral or "Herring-Bone" type, which run in oil in improved dust-proof case.

CONTROLLER—Four forward and four backward speeds—5 to 15 miles per hour. Push button reverse in end of handle.

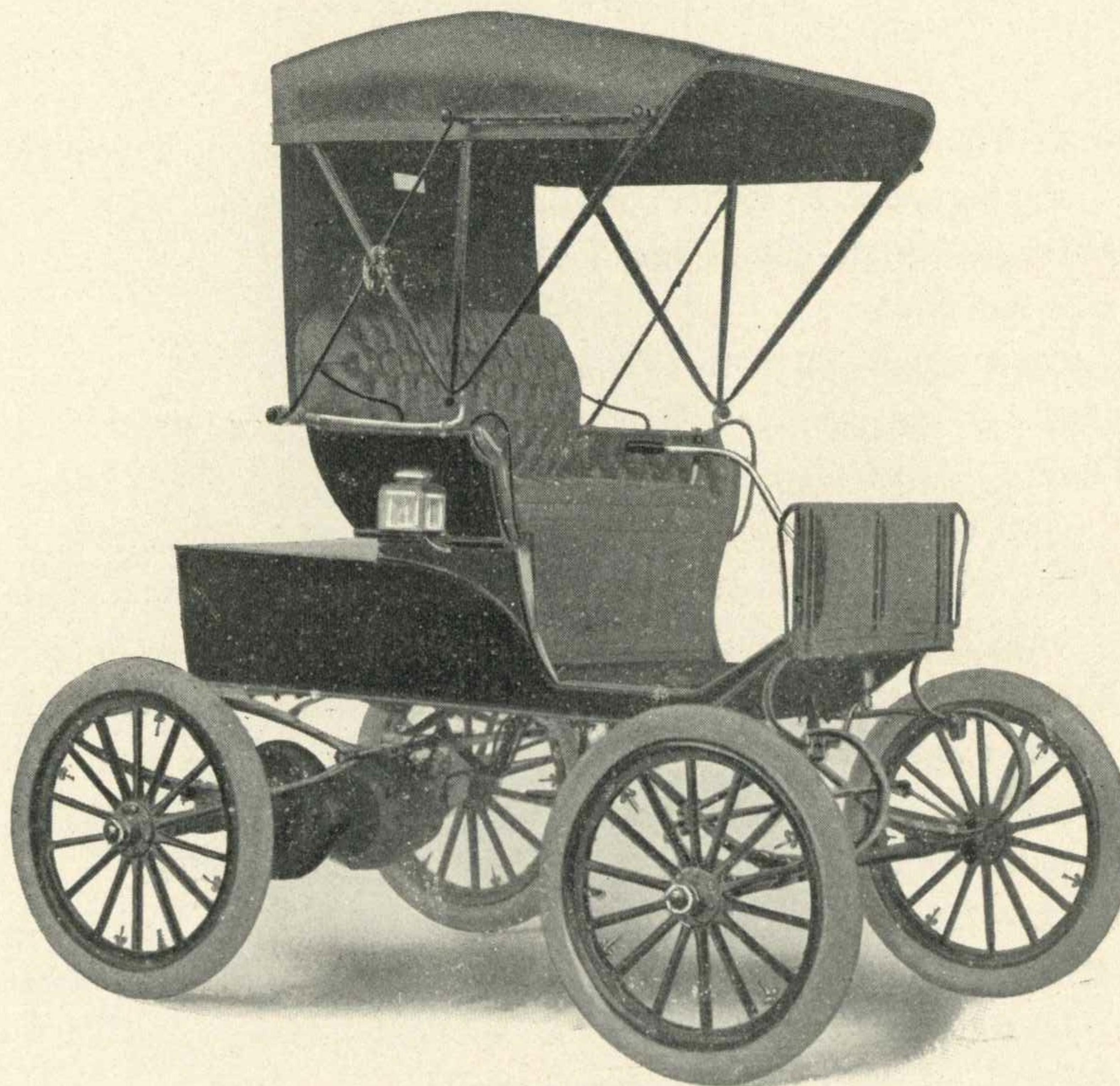
BRAKE—Compression band type, very powerful.

METERS—Each vehicle is equipped with an odometer and a combination volt-ammeter.

BATTERY—32 cells, 3¼ x 5¼ x 10 inches.

RHEOSTAT—For charging battery from 110 to 125-volt circuit, furnished with each vehicle.

**Model 60, same as above, without top, \$950.**



Model 75

**NATIONAL RUNABOUT**

Price \$1,000

**Description**

**Model 75**

BODY—Bracket front. Width, 29 inches; length, 70 inches; height from ground, 26 inches; width of seat, 38 inches.

STANDARD FINISH—Black body; green gear.

UPHOLSTERING—Elegantly trimmed in leather.

SPRINGS—New pattern "C" springs in front, Elliptics in rear.

WHEELS—Wood, Artillery Pattern. Pneumatic tires, 30 x 3 inches, Diamond detachable, Continental type. Track, 54 inches.

MOTOR—NATIONAL, improved design, 6-pole type. Normal capacity,  $2\frac{1}{2}$  H. P.; overload capacity,  $7\frac{1}{2}$  H. P.

GEARING—Spiral or "Herring-Bone" type, which run in oil in improved dust-proof case.

CONTROLLER—Four forward and four backward speeds—5 to 15 miles per hour. Push button reverse in end of handle.

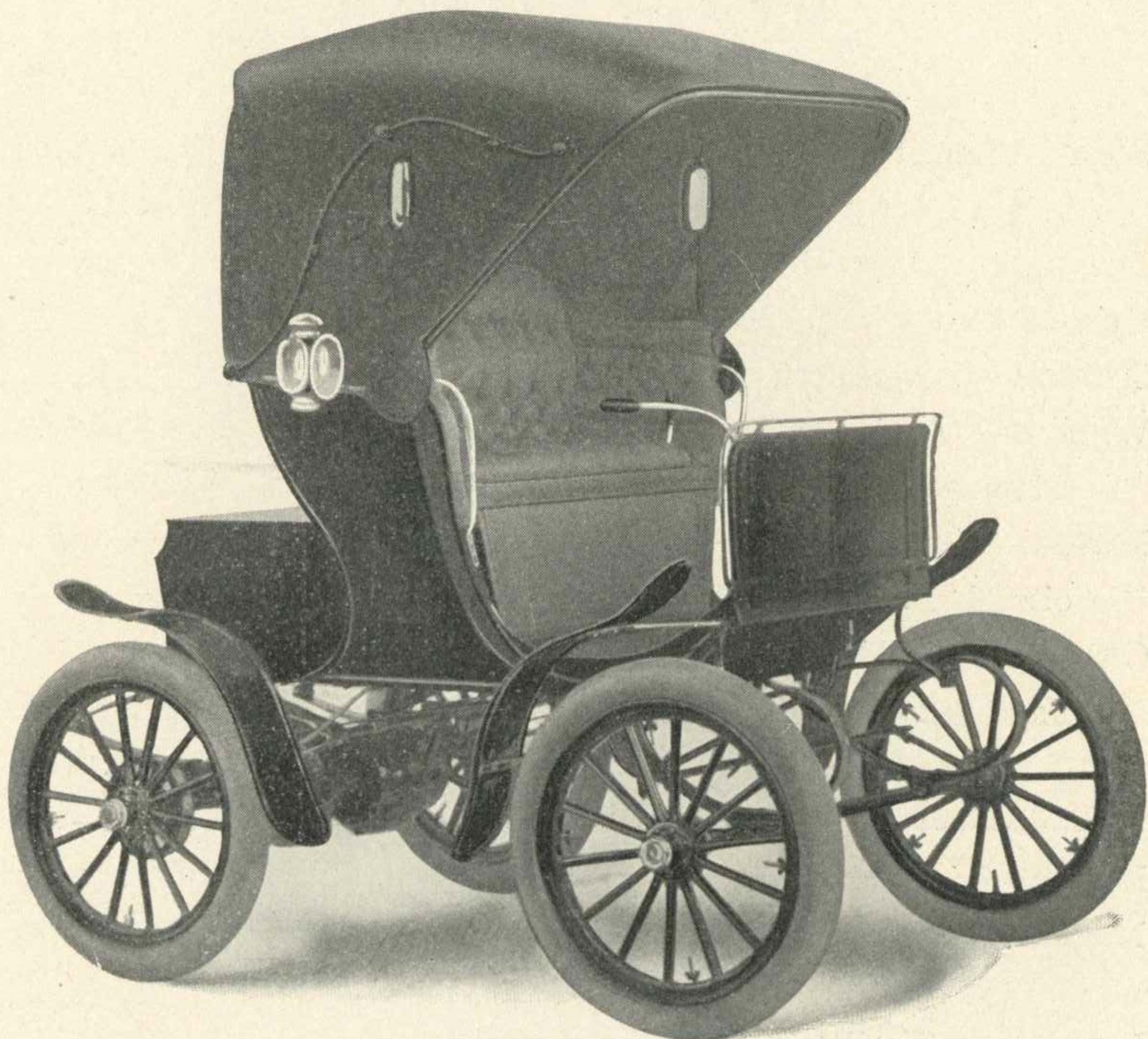
BRAKE—Compression band type, very powerful.

METERS—Each vehicle is equipped with an odometer and a combination volt-ammeter.

BATTERY—32 cells,  $3\frac{1}{4} \times 5\frac{1}{4} \times 10$  inches.

RHEOSTAT—For charging battery from 110 to 125-volt circuit, furnished with each vehicle.

**Model 70, same as above, without top, \$950.**



Model 85

**NATIONAL STANHOPE**

Price \$1,500

**Description**

**Model 85**

BODY—Full Stanhope. Width, 33 inches; length, 69 inches; height from ground, 27 inches. Width of seat, 40 inches.

STANDARD FINISH—Black body; dark green side panels and Brewster green gear.

UPHOLSTERING—Elegantly trimmed in dark green broadcloth.

TOP—Full leather, Victoria-Goddard pattern.

SPRINGS—New pattern "C" springs in front. Elliptics in rear. Extra heavy.

WHEELS—Wood, Artillery Pattern. Pneumatic tires  $32 \times 3\frac{1}{2}$  inches, Diamond detachable, Continental type. Track, 54 inches.

MOTOR—NATIONAL, improved design, 6-pole type. Normal capacity, 3 H. P.; overload capacity, 9 H. P.

GEARING—Spiral or "Herring-Bone" type, which run in oil in improved dust-proof case.

CONTROLLER—Four forward and four backward speeds—5 to 15 miles per hour. Push button reverse in end of handle.

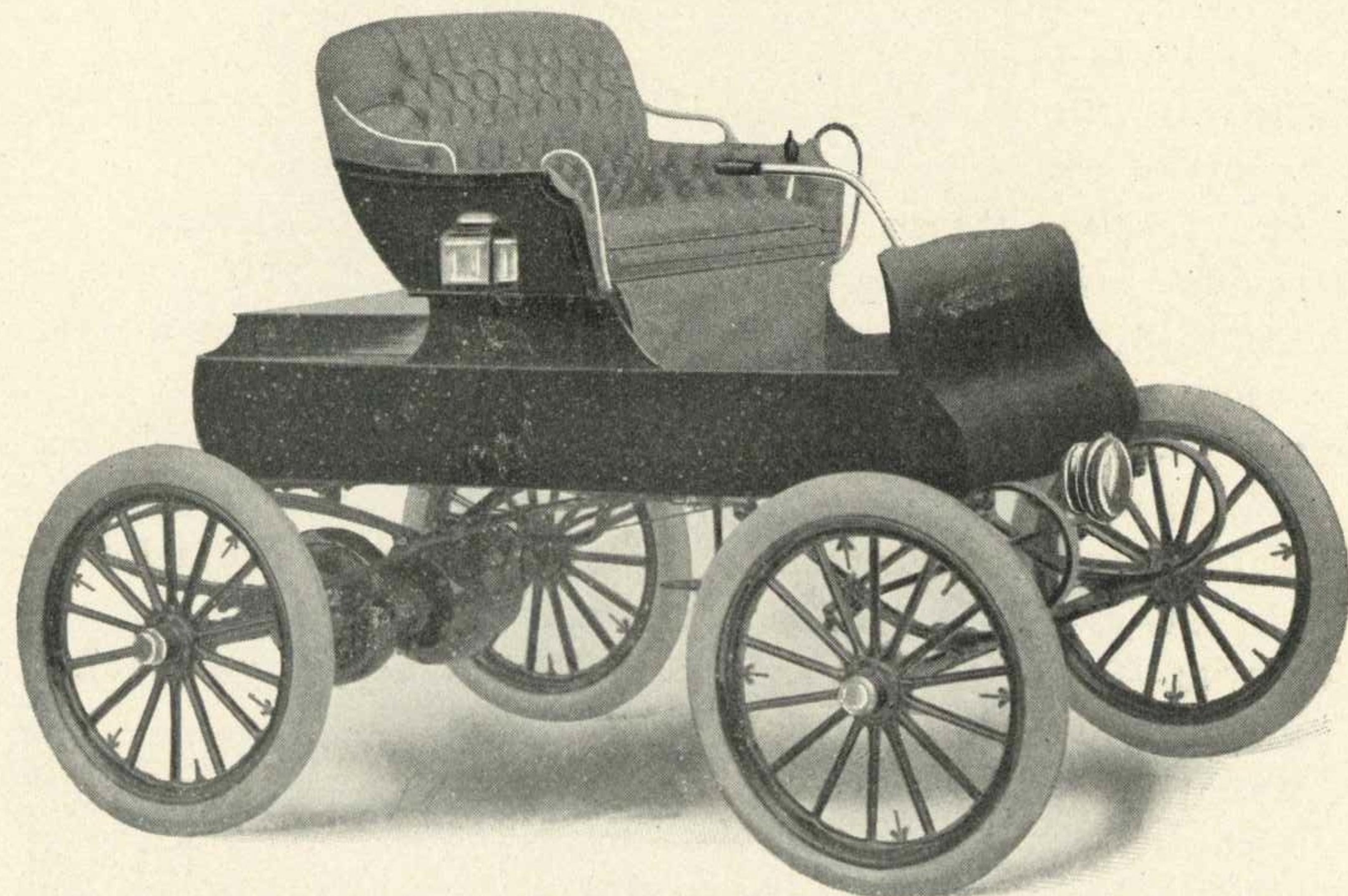
BRAKES—Compression band type, and Auxiliary Hub brake, both very powerful.

METERS—Each vehicle is equipped with an odometer and a combination volt-ammeter.

BATTERY—32 cells,  $3\frac{1}{4} \times 5\frac{3}{4} \times 10\frac{1}{2}$  inches.

RHEOSTAT—For charging battery from 110 to 125-volt circuit, furnished with each vehicle.

Leather fenders.



**Model 100**

**NATIONAL ELECTROBILE SPECIAL**

**Price \$1,200**

**Description**

**Model 100**

**BODY**—Piano box, curved panels, curved wood dash. Width, 30 inches; length, 75 inches; height from ground, 27 inches; width of seat, 38 inches.

**STANDARD FINISH**—Black body; carmine seat and boot risers; carmine gear.

**UPHOLSTERING**—Elegantly trimmed in leather.

**SPRINGS**—New pattern "C" springs in front, Elliptics in rear. Extra heavy.

**WHEELS**—Wood, Artillery Pattern. Pneumatic tires,  $32 \times 3\frac{1}{2}$  inches. Diamond detachable, Continental type. Track, 54 inches.

**MOTOR**—NATIONAL, improved design, 6-pole type. Normal capacity, 3 H. P.; overload capacity, 9 H. P.

**GEARING**—Spiral or "Herring-Bone" type, which run in oil in improved dust-proof case.

**CONTROLLER**—Four forward and four backward speeds—5 to 17 miles per hour. Push button reverse in end of handle.

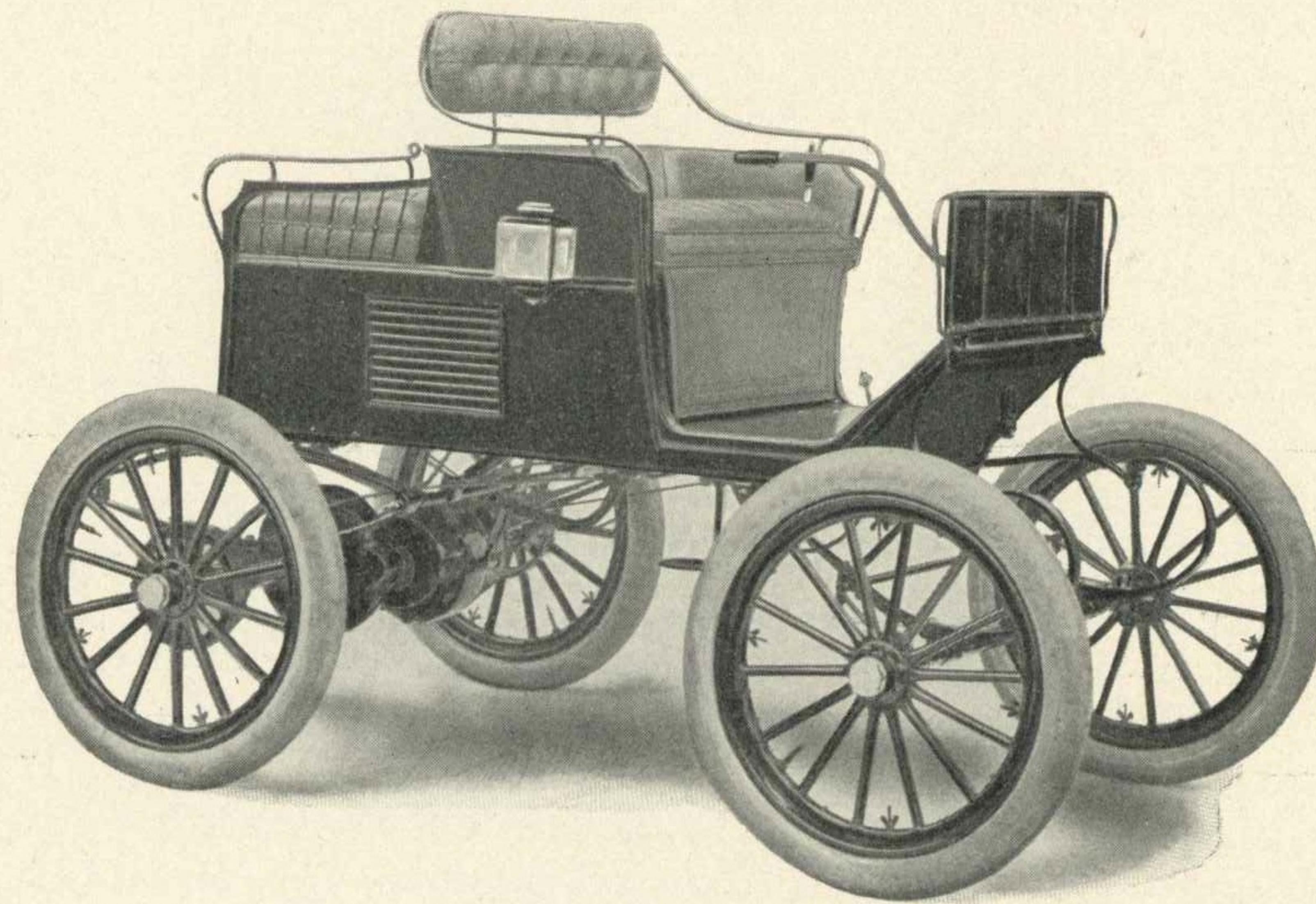
**BRAKES**—Compression band type, and Auxiliary Hub brake, both very powerful.

**METERS**—Each vehicle is equipped with an odometer and a combination volt-ammeter.

**BATTERY**—36 cells,  $3\frac{1}{4} \times 5\frac{3}{4} \times 10\frac{1}{2}$  inches.

**RHEOSTAT**—For charging battery from 110 to 125-volt circuit, furnished with each vehicle.

**Model 105 same as above, with full leather top, \$1,250.**



**Model 110**

**NATIONAL PARK TRAP**

**Price \$1,250**

**Description**

**Model 110**

**BODY**—Dos-a-Dos type. Width, 33 inches; length, 67 inches; height from ground, 27 inches; width of seat, 38 inches.

**STANDARD FINISH**—Blue body; wine gear, gold stripe.

**UPHOLSTERING**—Elegantly trimmed in leather.

**WHEELS**—Wood, Artillery Pattern. Pneumatic tires,  $32 \times 3\frac{1}{2}$  inches. Diamond detachable, Continental type. Track, 54 inches.

**MOTOR**—NATIONAL, improved design, 6-pole type. Normal capacity, 3 H. P.; overload capacity, 9 H. P.

**GEARING**—Spiral or "Herring-Bone" type, which run in oil in improved dust-proof case.

**CONTROLLER**—Four forward and four backward speeds—5 to 15 miles per hour. Push button reverse in end of handle.

**BRAKES**—Compression band type and Auxiliary Hub brake, both very powerful.

**METERS**—Each vehicle is equipped with an odometer and a combination volt-ammeter.

**BATTERY**—32 cells,  $3\frac{1}{4} \times 5\frac{3}{4} \times 10\frac{1}{2}$  inches.

**RHOESTAT**—For charging battery from 110 to 125-volt circuit, furnished with each vehicle.

Canopy top, \$50 extra.

## **REGULAR EQUIPMENT FURNISHED ON EACH VEHICLE**

Safety locking switch. Emergency switch. Electric sidelights and meter light. Electric alarm gong, operated by push button in steering lever handle. Nickel finish on hub caps, controller lever, steering lever, etc. Storm apron and full complement of tools.

**Special Finishes will require two weeks extra time**

## **TERMS**

One-fourth cash with order for each vehicle; balance sight draft, Bill of Lading attached. Delivery, F. O. B. Indianapolis, Indiana.

Our responsibility ceases when vehicles are received for in good order by the Transportation Companies.

Unless otherwise ordered vehicles are shipped set up complete, batteries crated.

Boxing or crating of vehicles charged extra.

All prices subject to change without notice.

## **National Association of Automobile Manufacturers STANDARD WARRANTY**

**Adopted August the twelfth, nineteen hundred and two**

**We Warrant** all goods furnished by us for sixty days following the date of their shipment, based upon the date of invoice covering the goods, this warranty being limited to the replacement in our factory of all parts giving out under normal service in consequence of defect of material or of workmanship.

If the circumstances do not permit that the work shall be executed in our factory this warranty is limited to the shipment, without charge, of the parts intended to replace those acknowledged to be defective.

It is, however, understood, that we make no warranty whatever regarding pneumatic tires or the batteries.

We cannot accept any responsibility in connection with any of our motor cars when they have been altered or repaired outside of our factory.

We are not responsible to the purchaser of our goods for any undertakings and warranties made by our distributors beyond those expressed above.

We wish it distinctly understood that we make no warranty of our goods except as stated above, but desire and expect that customers shall make a thorough examination of our goods before purchasing.

## ***The WESTERN STORAGE BATTERY***

Our Electric Vehicles are regularly equipped with batteries made by the Western Storage Battery Co., which, after long and rigid tests under all conditions, have demonstrated their great efficiency and durability. The method of making the plates is such, that the important feature of firmness and porosity are obtained to an exceptional degree, the latter quality materially increasing the active surface, and resulting in great capacity.

This form of plate, in combination with a new and improved separator, composed of spun glass and hard rubber, prevents that constant erosion to which batteries are subjected by the motion of a rapidly moving vehicle, thus avoiding one of the greatest faults of storage batteries in automobile work.

The peculiar qualities of spun glass as applied by a special method, makes this separator the best possible insulator between the plates, and also allows the free circulation of the electrolyte, which is so essential.

The spun glass portion of the separator being very resilient and in the nature of a porous pad, adheres so closely to the surface of the positive plates that sufficient protection is afforded to permit the rapid charging of the battery, if necessary, without detriment or the undue generation of heat.

Among other advantages possessed by this battery are, light weight (capacity considered), simplicity of construction, and the moderate cost of renewing the elements.