

Race victories with us do not stop at the end of a race—they live forever in the character of your car and the way it is built. Racing is not an end, but a means; a school for our engineers; a test for our materials; an absolute proof of our quality; a positive guarantee of our reliability as well as stamina.



NATIONAL MOTOR VEHICLE COMPANY

INDIANAPOLIS, INDIANA, U. S. A.

MEMBER OF THE AUTOMOBILE CHAMBER OF COMMERCE

Our Policy

HIS is the most important Automobile News announced for 1914 and the Most Liberal Offer. Here is a bold, unique stand taken by fourteen-year-old Pioneers who believe Pioneering is needed more Today than ever.

Knowledge of the National's Policy eliminates Dickering or Horse-Trading tactics in buying a car. Our Policy makes it possible to buy a National car as you do a reliable Watch, or a high-grade Piano. You want a watch to give accurate Time and a piano because of its Quality. In other words you buy a Watch and a Piano for Results—and not because of the particular individual parts that enter into their construction. You leave that to the makers.

Results vs. Specifications

THE National car is evolved from years of Toil for but one purpose—Results! Our ambition is Quality. We take the responsibility for what enters into its makeup, while you need think only of its Performance.

We ask you not to look at our Specifications but to judge the National by what it can actually Do; how adequately and comfortably it Performs; and the Longevity of its efficient. Service.

We offer you a Whole Car where every mechanical part operates harmoniously to produce a Unit of satisfactory Results.

We give you a car you can buy without having to raise the hood to investigate; without worrying about its Insides and without bothering to make a detailed analysis of its various component Parts or Specifications.

Own Performance and Not Parts

THE name National guarantees the car. We prize our Reputation above all else. Where others point to Quantity, we demonstrate Quality.

We sell you our Experience, Ability, Judgment, and our Responsibility, and not a mere Job of assembled wheels, axles, gears, etc.

Specifications alone are misleading. An inferior car may have similar specifications, or similar parts to a quality car.

We offer you Performance, Confidence, Reliability, Comfort and Endurance.

This is why the National car is Distinctive;

why it has an Individuality that ranks above the Mob of other cars.

Ours is a Square Deal attitude toward National owners.

Product of Years and Not of Single Seasons

THE National has a Heritage of Years of accumulated quality, a steady development toward Perfection, where others have complete destruction of Car Character annually in order to produce something Different.

The National is built on the Series basis, every day beginning a new year. Improvements do not wait upon the Calendar. Nor do we make changes for the mere sake of changing. We do not upset our manufacturing efficiency by forcing yearly models. We have no fundamental faults to disguise by changing body styles, no more than we try to divert attention from quality by pointing to mere specifications.

Test the National For All you demand of a car. Buy it then without the trouble of attempting to be an Expert on every Mechanical reason incorporated into the car's Unit of construction. A single feature is good only in its relative position to all the rest of the car. We put the Right material in the Right place. Our experts devote their lives to this Duty. We take that Responsibility. You enjoy the Results.

Only a company of unimpeachable reputation, of sound financial standing, of reliability built upon years of success can make you this most Liberal Offer ever made by any automobile builder.

Service, with us, begins when the car is built. Service is put into your car. This is why the National requires the least service afterwards.

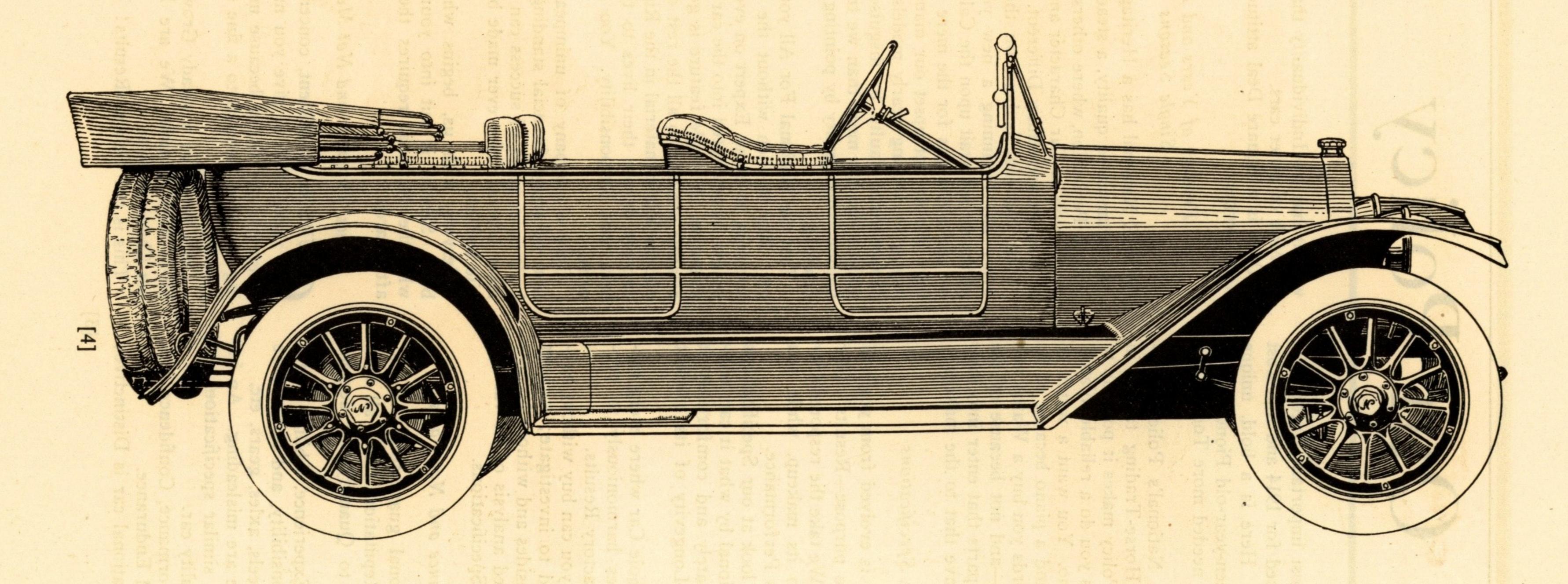
Actual Progress and Not Mere Changes

OURS is an efficient, concentrated organization able to give you more car and a better car per dollar because motor car making has been reduced to a fine specialized science by us.

Ours has been a steady Growth, and not a hit-or-miss Gamble. We are Business Men, not Chance-Takers.

This is our Policy—Results!

National 40

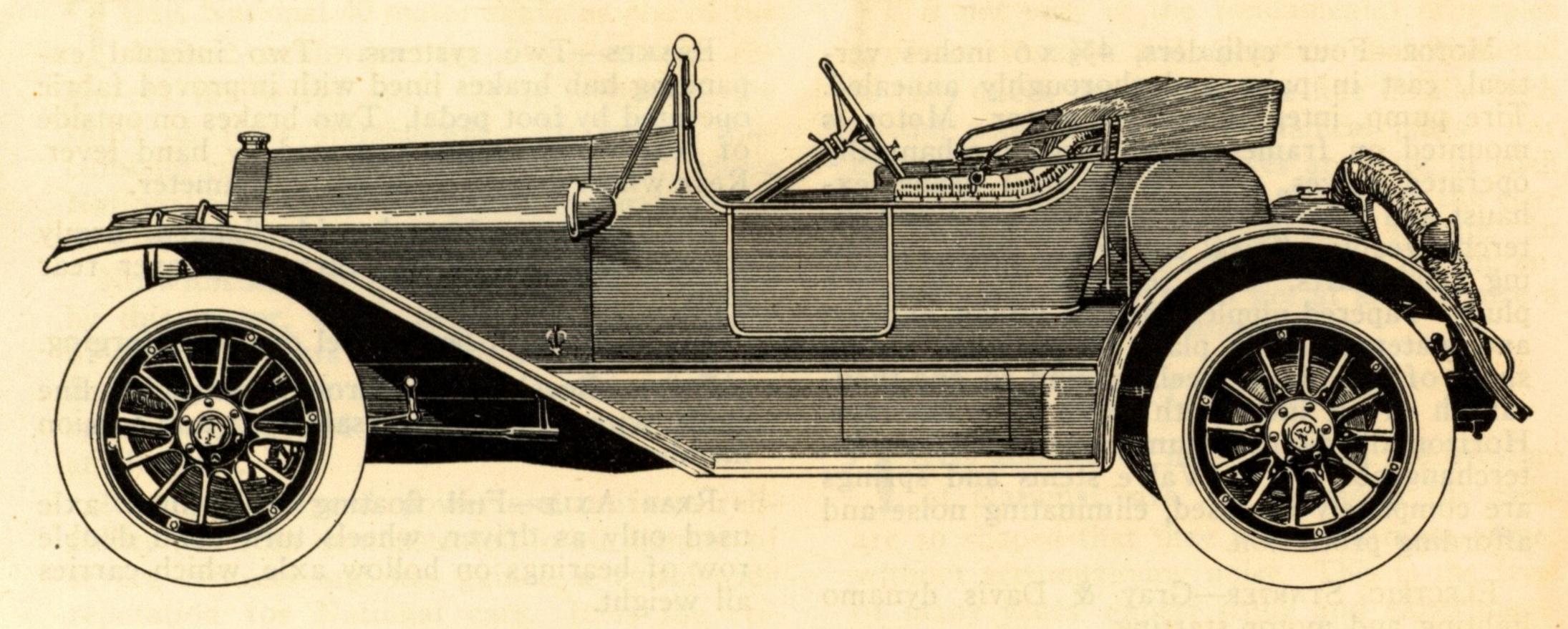


SEVEN-PASSENGER-Four-Cylinder Touring Car-Series V-3-\$3400

The highest achievement in motor car building.

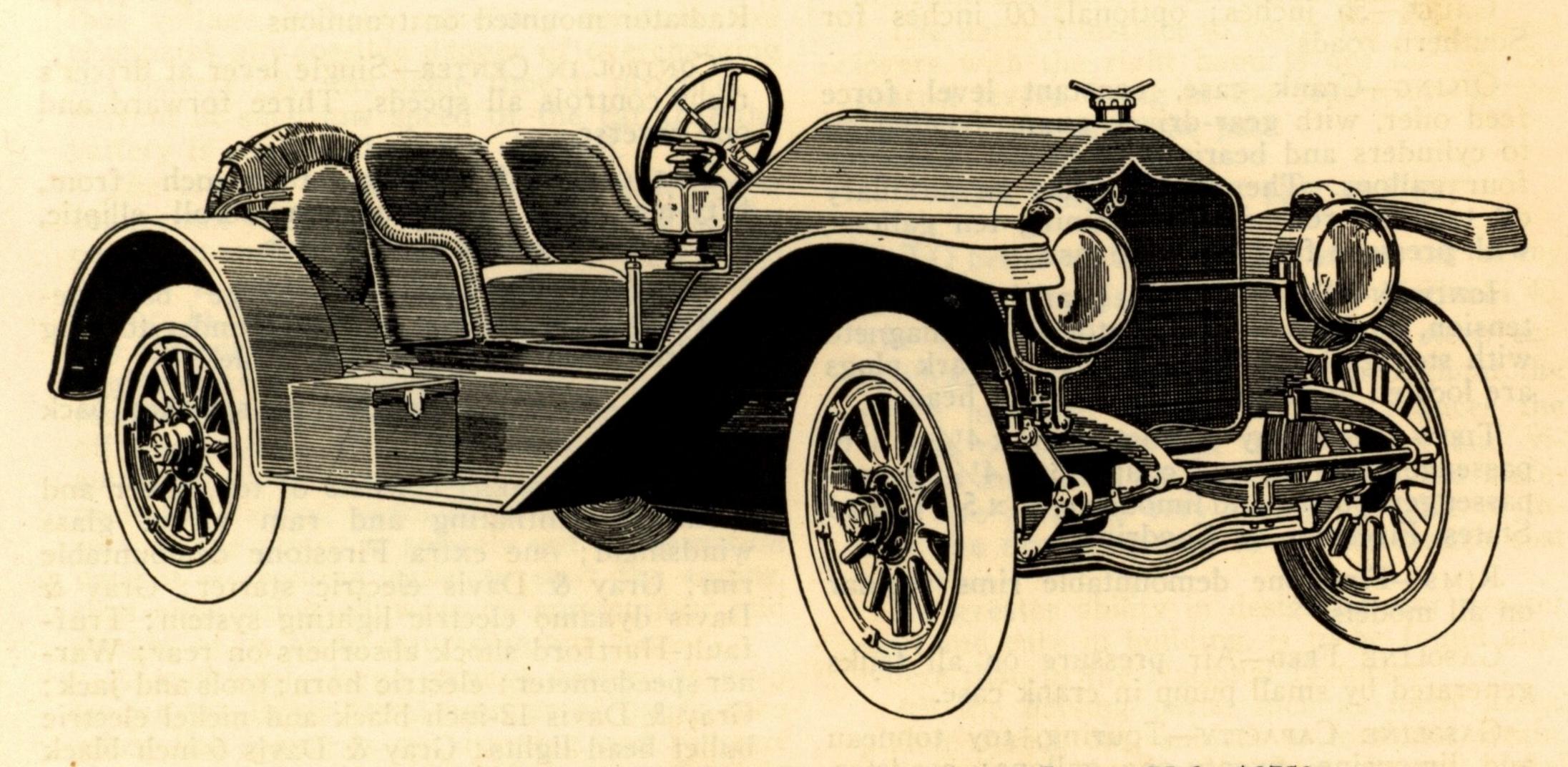
The best all-round touring car.

National 40 - Series V-3



SPEEDWAY ROADSTER—Four Cylinder—Series V-3—\$3150

A distinctively individual car of power, speed, comfort and beauty. Without an equal.



SEMI-RACING ROADSTER-Four Cylinder-Series V-3-\$2750

Unique in its stylish appearance, strikingly designed, and world-famed for its speed, power and stamina.

National 40 - Series V-3 - Specifications

FOUR-CYLINDER CARS

Motor-Four cylinders, 4% x 6 inches vertical, cast in pairs and thoroughly annealed. Tire pump, integral part of motor. Motor is mounted on frame. Extra large mechanically operated valves, with nickel steel heads, exhaust and admission on opposite sides and interchangeable. Spiral cut timing gears operating cam shafts. Two separate sets of spark plugs. Tapered nipples used on intake, exhaust and water pipes in place of packing. Crank shaft of vanadium steel, ground to one-thousandth of an inch, with extra long bearings. Horizontally divided aluminum crank case. Interchangeable parts. Valve stems and springs are completely enclosed, eliminating noise and affording protection.

ELECTRIC STARTER—Gray & Davis dynamo lighting and motor starting.

CLUTCH—Self-contained aluminum cone, leather face, spring cushioned, giving gradual engagement.

Transmission—Sliding gear selective type. Three speeds forward and one reverse. Gears made of chrome nickel steel, oil tempered. Annular ball bearings on main and counter shafts. Gears run in oil.

GUARDS—Wide continuous enclosed metal guards front and rear.

WHEEL BASE-128 inches.

GAUGE—56 inches; optional, 60 inches for Southern roads.

OILING—Crank case, constant level force feed oiler, with gear-driven pump, feeding oil to cylinders and bearings of motor. Capacity, four gallons. The roadster has an auxiliary oil tank on rear deck containing ten gallons, with pressure feed to crank case.

IGNITION—On all types gear-driven, hightension, dual double distributor Bosch magneto with storage battery. Two sets of spark plugs are located in valve caps in cylinder heads.

Tires—Speedway roadster, $34 \times 4\frac{1}{2}$; five-passenger touring and coupe, $36 \times 4\frac{1}{2}$; seven-passenger touring and limousine, 36×5 . United States, Firestone or Goodrich.

RIMS—Firestone demountable rims regular on all models.

GASOLINE FEED—Air pressure on all tanks generated by small pump in crank case.

GASOLINE CAPACITY—Touring, toy tonneau and limousine, twenty-one gallons; roadster, thirty gallons.

CARBURETOR—Rayfield 13/4-inch on all types but roadster; Schebler optional. Two-inch on roadster.

Brakes—Two systems. Two internal expanding hub brakes lined with improved fabric operated by foot pedal. Two brakes on outside of rear wheel drums operated by hand lever. Rear wheel drums 16 inches in diameter.

FRAME—Pressed steel, wide flanged, firmly riveted and braced and curved up over rear axle.

FRONT AXLE—I-beam steel one-piece forging.

Drive—Bevel gear through straight line shaft, with double universal joints and torsion member.

REAR AXLE—Full floating type, inner axle used only as driver, wheels turn upon double row of bearings on hollow axle, which carries all weight.

FINISH—National blue; options, National green, National maroon and National gray body and gears.

UPHOLSTERY—Unusually deep and comfortable.

Steering System on Left Side—Eighteeninch wheel, inclined post. Worm and gear, operated chuck. Ball joint connections to steering knuckle.

Cooling System—Special National radiator; adjustable ball-bearing fan attached to engine base. Water circulated by centrifugal pump. Radiator mounted on trunnions.

Control in Center—Single lever at driver's right controls all speeds. Three forward and one reverse.

Springs—Half elliptic, forty-inch front, fifty-inch rear; three-quarter scroll elliptic, two and one-fourth inches wide.

BAGGAGE COMPARTMENT — Large baggage-carrying compartment concealed under touring car front seat and easily accessible.

Tools—In box concealed by splasher back of running board.

Full Equipment consists of top, cover and curtains; ventilating and rain vision glass windshield; one extra Firestone demountable rim; Gray & Davis electric starter; Gray & Davis dynamo electric lighting system; Truffault-Hartford shock absorbers on rear; Warner speedometer; electric horn; tools and jack; Gray & Davis 12-inch black and nickel electric bullet head lights; Gray & Davis 6-inch black and nickel electric bullet side lights on speedway roadster and toy tonneau, and dash insert electric lights on touring cars; Gray & Davis black and nickel electric bullet tail lights, and tire carriers on rear.

DOMINANT FEATURES

THE MOTOR

THE National 40 motor ranks as one of the highest achievements of automobile engineers the world over. It is conservatively rated at forty horsepower. In severe hill-climbing contests—one form of contests where National cars show undisputed leadership—the motors develop more than 100 horsepower.

Notwithstanding the great power produced by this motor, which eliminates the necessity of changing gears except in extreme cases, its flexibility is such as to allow extremely slow speed in congested traffic with perfect control at all times.

Its superior speed, power and uniform reliability has been demonstrated in all manner of severe contests and has gained a world-wide reputation for National cars. It is the criterion of long-stroke motors, $4\% \times 6$.

ELECTRIC LIGHTS AND STARTER

THESE National cars have an electric starter system of the Gray & Davis make, which consists of a dynamo which charges the battery and furnishes electric lights. This dynamo is placed near the front of the engine and is run with silent chain off of sprocket on cam shaft. It is of the constant speed type, so that voltage is held extremely constant and eliminates any possible danger of overcharging the battery. At the same time it produces a current at such low speed of the car that the battery is continually being charged.

The electric motor used for the starting in connection with this dynamo is geared to the engine in such a manner that the simple pushing of a plunger with the foot throws this motor in gear with engine, and automatically throws in the starting switch, turning the engine over at a speed of about one hundred revolutions a minute. When the foot is taken off this plunger after the engine is started it automatically throws out switch and disconnects the starting motor from the engine itself, so that the motor is entirely out of operation until it is required again to start the engine, thus eliminating all wear on commutator and danger of its being injured in any way.

A sufficiently large storage battery is used to run the lights for a number of hours even when the engine is not running and to start the engine a great number of times, and, while it is not recommended, the starting motor can be used to propel the car should emergency arise in the case of the driver accidentally allowing his engine to stop.

ACCESSIBILITY

It is not only in the fundamental principles of construction and operation that National 40 cars excel, but also in the fine details such as the accessibility of mechanical parts. For example, the enclosed valves are built in such a manner that it is possible to remove the covers with ease in a fraction of a minute. In cars lacking the National's superior design, enclosed valves are hard to get at and require a great deal of time to uncover.

NOISELESSNESS

THE absence of noise adds to the prestige of National cars. In the motor the cams are so shaped that they give maximum power without accompanying noise. This is the fruit of many years' expert study and experimenting in the National factories. The valve stems and tappet rods and springs are housed in pressed steel jackets. The shape of tooth employed in the transmission gears and rear axle gears makes them practically noiseless.

LEFT-SIDE DRIVE AND CENTER CONTROL

THE advantages are many and pronounced in favor of the National drive and control. These have met with instant favor among discriminating motor-intelligent people.

The natural instinct to reach for the control levers with the right hand is not lost, as the control levers, being in the center, are at the driver's right as in the past.

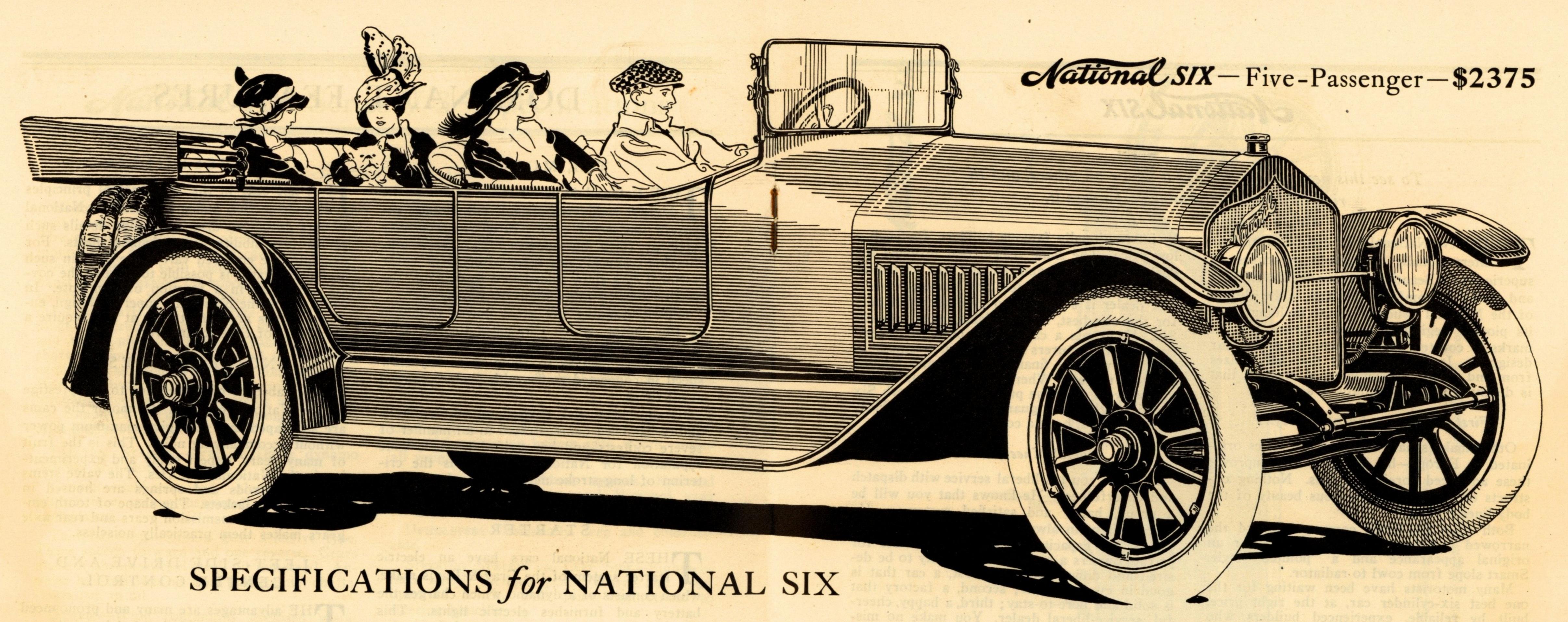
MATERIAL THE BEST

No better material is used in any car at any price than is found in every National 40. The most expensive and toughest steel, scientifically heat-treated, is used throughout the entire machine, which not only reduces the weight of the car, but defies shock and vibration and does not crystallize. These materials are also the very best procurable to insure the durability and low maintenance cost of cars.

No greater ability in designing, nor greater skill and care in building, is to be found anywhere than in the National factories.

All the driving parts, such as inner axles, pinion shafts, etc., subject to torsional strain, are made of the world's best chrome nickel steel.

More than 500 parts are made of pressed steel. This insures the maximum of strength in proportion to weight.



Motor—Six cylinders, 3¾ inches bore by 5½ inches stroke, cylinders cast en bloc and thoroughly annealed. Tire pump integral part of motor. Motor is mounted on main frame. Mechanically operated valves, exhaust and admission on same side and interchangeable. Spiral cut timing gears operating cam shafts. Cam shaft ground to one-thousandth of an inch, with extra long bearings. Horizontally divided aluminum crank case. Interchangeable parts. Valve stems and springs are completely enclosed, eliminating noise and affording protection.

ELECTRIC STARTER—Dynamo lighting and motor starting. Conveniently and easily operated from driver's seat by small foot plunger.

CLUTCH—Self-contained aluminum cone, leather face, spring cushioned, giving gradual engagement. Clutch removable without disturbing transmission. Clutch operates smoothly and our efficient clutch brake facilitates changing gears quietly.

Transmission—Sliding gear selective type. Three speeds forward and one reverse. Annular ball bearings on main and counter shafts. Gears run in oil.

GUARDS — Wide continuous enclosed metal guards front and rear. Metal dust shield between frame and running board.

WHEEL BASE—132 inches. GAUGE—56 inches.

OILING—Crank case, constant level force feed oiler, with gear-driven pump. Capacity, three gallons.

IGNITION—Gear-driven, high-tension, dual magneto with storage battery.

Tires—36 x 4½. United States, Firestone or Goodrich.

RIMS-Firestone demountable rims.

Water and Dust Protection—Detachable metal dust pans of our improved type protect all working parts. Splash pan between frame in front of radiator.

GASOLINE FEED—Air pressure on tank, suspended in rear, generated by small pump in crank case.

GASOLINE CAPACITY—Twenty-one gallons.

CARBURETOR—Automatic. Controlled by lever on steering column, also by foot throttle. Dash control of mixture.

Brakes—Two systems and four effective brakes with large brake bands that hold secure in either direction, operated by foot pedal and hand lever. Two internal expanding hub brakes lined with improved fabric. Two brakes on outside of rear wheel drums. Rear wheel drums 16 inches in diameter. These brakes grip evenly on both wheels, thus eliminating liability of side-slip or skidding. The brake drums are of one-piece pressed steel.

FRAME - Pressed steel, wide flanged, 5-inch

channel section, firmly riveted and braced and curved up over rear axle to allow low suspension of body, and center of gravity. No sub-frame. Frame off-set in front to permit short turning radius.

FRONT AXLE—I-beam steel one-piece forging. Large adjustable roller bearings in hubs.

Drive—Bevel gear through straight line shaft, with double universal joints and torsion member.

REAR AXLE—Full floating type, wheels turn upon two rows of roller bearings on hollow axle, which carries all weight. Entire system readily accessible.

Body—Stream line, long, low and graceful, giving "one-piece" effect; wide doors; side entrance at both sides front and rear; sheet metal. Carrying capacity, four or five passengers; smart slope from cowl to radiator cap and gradual converging lines from the rear to radiator, giving a distinctive pointed appearance. Instrument board with entire control of car conveniently arranged within easy reach from driver's seat.

FINISH—National blue. All metal trimmings black and nickel.

UPHOLSTERY—Unusually deep and comfortable. Black leather. Special deep cushion springs.

Steering Column on Left Side—Eighteen-inch wheel with finger grips, inclined post. Worm and gear, operated chuck. Ball joint connections to

steering knuckle. Push button for horn on top of steering post, in center of steering wheel, always convenient.

Cooling System—Special radiator of most improved National design; adjustable ball-bearing fan attached to engine base. Radiator mounted on trunnions. Brass outlet tubes from cylinders to radiator. Notched hard rubber cap on radiator. Belt-driven fan with adjustment for belt tension. Water circulated by centrifugal pump. Capacity of water circulation system, 6 gallons.

Control in Center—Single lever at driver's right controls all speeds. Three forward and one reverse.

Springs—Front: half elliptic, thirty-eight inches long. Rear: special National cantilever swiveled on frame attached rigidly on rear axle. Grease cups on springs. Clipped construction.

Tools—In special box, convenient and readily accessible, under right front seat.

FULL EQUIPMENT consists of top, cover and curtains; ventilating and rain vision glass windshield; one extra Firestone demountable rim; electric starter; dynamo electric lighting system; Warner speedometer; electric horn; 12-inch black and nickel electric head lights with double bulbs, giving strong lights for driving and also smaller lights when car is standing. Black and nickel electric license tail light. Tire carrier on rear. Tools and jack.

To see this new car is to desire it above all others, and to ride in it, is to determine to possess it.

THIS new National Six embodies all our internationally recognized principles of superiority. Beautiful, economical, efficient and lavish in comfort—this car is the climax of the National's success in car building since its pioneer beginning fourteen years ago. It marks a coveted improvement in motor car designing. It is the one car that harmonizes from end to end—a symmetrical creation that is distinctive and essentially practical.

First to Improve European Styles

Other makers have imitated the styles originated in Europe—but the National improves these advanced foreign designs. Nothing obstructs or spoils the continuous beauty of the body lines.

Both sides gradually converge toward the narrowed radiator, giving the whole car an original appearance and a "pointed" style. Smart slope from cowl to radiator.

Many motorists have been waiting for the one best six-cylinder car, at the right price, built by reliable, experienced builders who have the confidence of the public. Here it is. We guarantee it.

The National Company built its first sixcylinder cars in 1905—the first successful sixcylinder cars built in this country—and every one of them still in service.

Mark of Quality

The National name is not only the name of a motor car, but the mark of quality. A name means little or much, depending entirely upon the character of the company behind the name. The name National is your guarantee. The National builders rank among the oldest, most experienced, most successful car makers the world over. You make no mistake and take no chances in putting your trust in the name National.

Last year was the National Company's most successful year, and our manufacturing success has not been of the hit-or-miss kind, it has not hung upon any one individual year. Our success has been steady, constant and conservative, but always advancing and always of unimpeachable quality and reliability.

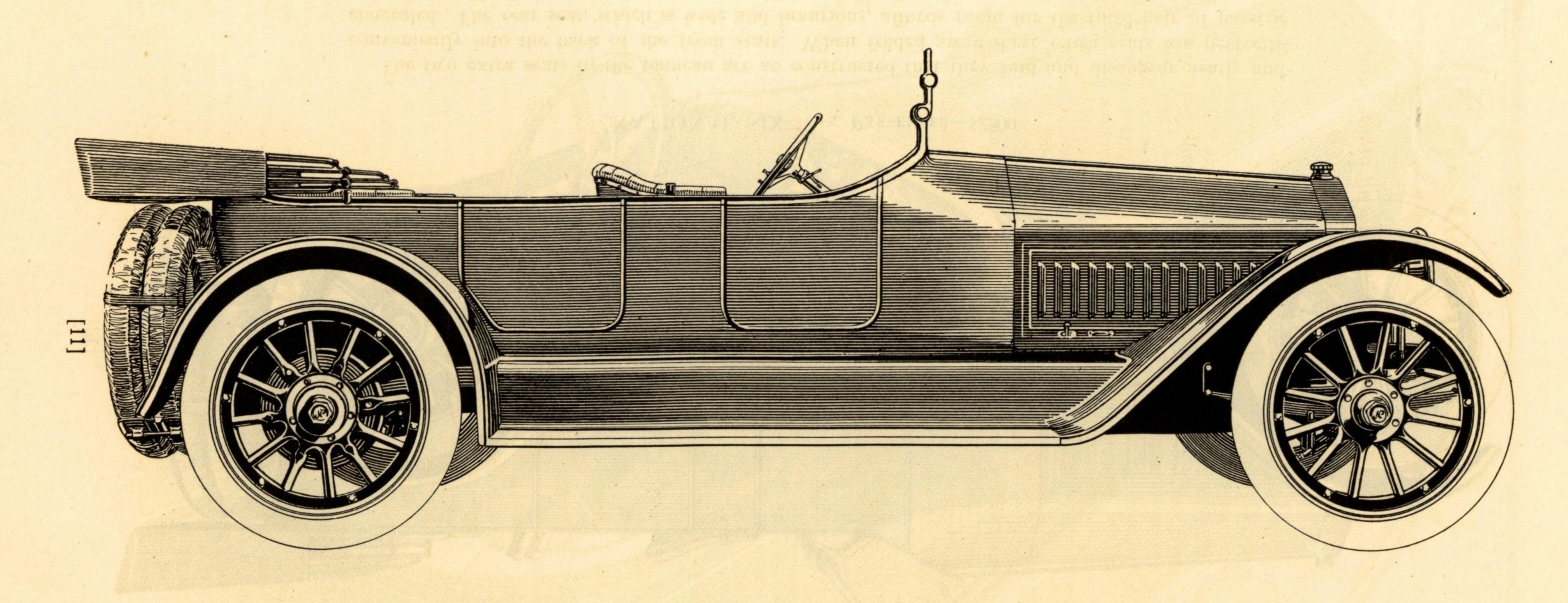
Despite our efforts to keep this car secret for a long time, there was an instant demand from dealers everywhere for this beautiful serviceable Six. Dealers were quick to appreciate the value of such a handsome, efficient car, built by internationally famous builders, for such a low price. The same reason that prompts the dealer to wait for and demand this particular Six is sufficient cue for any private owner. The dealer is solicitous to give his word only for the one best, most reliable, most efficient Six. He wants a car that is built by experienced manufacturers who are in business to stay and who are financially solid and reliable in every respect. When the dealer gets an opportunity to offer the public such a superb Six as this, backed and guaranteed by the stability of its builders, he is a confident, happy man.

Liberal, Cheerful Service

He gives you his liberal service with dispatch and cheerfulness. He knows that you will be a proud, happy and satisfied customer. He takes delight in always being ready to service you in any capacity possible. This makes for private owners a combination greatly to be desired and difficult to find; first, a car that is good in every respect; second, a factory that is solid and here-to-stay; third, a happy, cheerful, service-liberal dealer. You make no mistake in owning this Six. You will get more real service, enjoyment, and satisfaction from this car than from any other you ever owned.

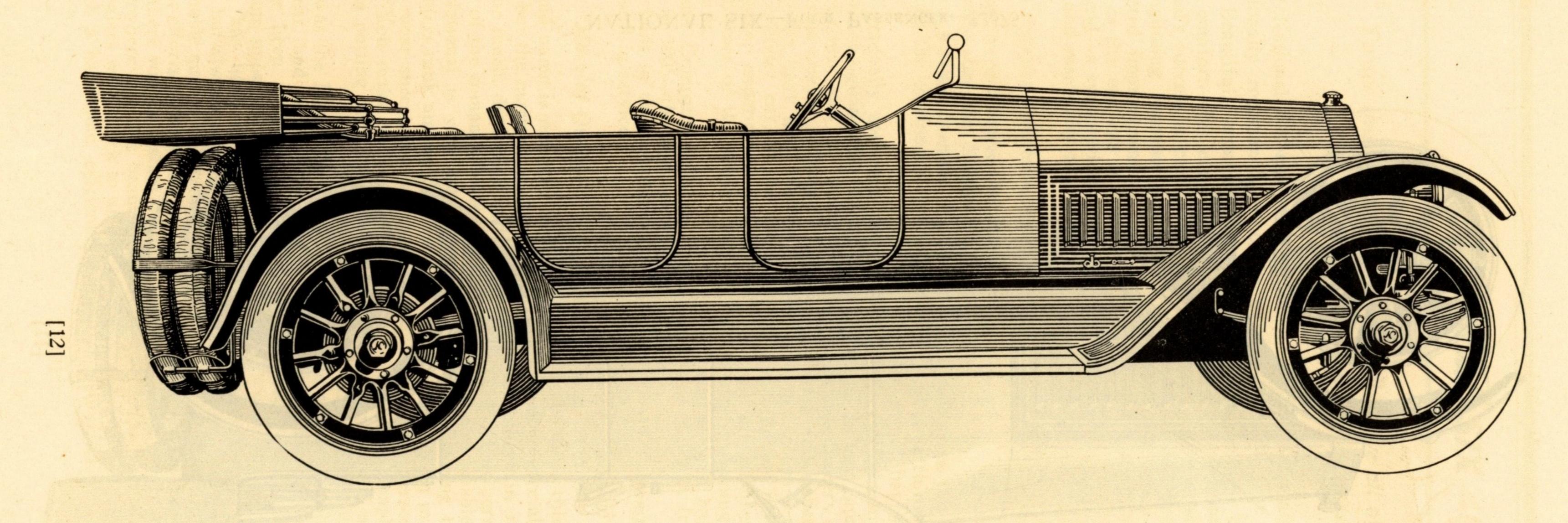
Complete in Every Detail

Not only the fundamentals of car construction are highly specialized and perfected in the building of this remarkable car, but pains are taken to give absolute satisfaction in excess of all others in minute details. The doors are wide. This permits easy access or egress. You are also enabled to use both doors in front, thus allowing the passenger riding beside the driver to get in or out of the car without bothering the person at the wheel. The instrument board is complete in every detail and everything for the management and control of this car is within plain view, easily understood and convenient. The button for the electric horn is in the center of the steering wheel post, a happy plan, as it is always in one position within instant easy reach. The upholstery of this car is a revelation. It is deep and unusually comfortable. It has been the universal verdict of experienced motorists after their first ride in this new car to say, "This is the easiest riding car I ever rode in." This Six makes an especial appeal to women. Its beauty, comfort and ease of control stamp it ideal for women motorists.



NATIONAL SIX—Four Passenger—\$2375

The very latest word in design, low, long and graceful. As good as it looks.



NATIONAL SIX—SIX PASSENGER—\$2500

The two extra seats in the tonneau are so constructed that they fold and disappear neatly and conveniently into the back of the front seats. When folded away these extra seats are perfectly concealed. The rear seat, which is wide and luxurious, affords room for the third pair of passengers. Tires, 37 x 5. Fully equipped same as National Six Toy Tonneau.

This shows the beautiful, convenient arrangement of front seats; wide doors; easy access; center control; left-side drive; instrument board; and graceful, stylish lines of cowl and hood

NATIONAL'S CLOSED CARS

LUXURY AND UTILITY COMBINED

UR wide range of exclusive styles gives you an individual closed car—made to order, as it were. True artists have produced rare beauty and convenience, accompanied by luxurious comfort for our discriminating patrons.

To the National car's heritage of flexible power, noiselss operation, and reliable performance is added an opulence of refinement and a wealth of beauty. The control of our closed cars is simplicity itself.

The woman with a National closed car can step directly from her home into her luxurious car and travel with security, privacy, warmth and comfort, no matter how bad the weather.

She finds her car always clean, inviting and restful.

A touch of one button and the electric lights are on; another button and the powerful, flexible motor is running.

The entire car is under her immediate control; she need make no exertion nor effort;

her gown and coat and hands are not brought into contact with anything that can soil them.

And the name National is synonymous of reliability and sureness—a car equal to all demands, mighty in its ability and simple in its control, giving you at all times freedom from worry and absolute confidence and pleasure.

The National closed cars are popular in metropolitan cities among business and professional men who find them so convenient and dependable in making business calls, going to their offices and visiting their clients and customers.

FOR WOMEN

The National closed cars are the criterion of all that discriminating women can askalways at her command for social calls, shopping excursions, for the theater, and in many instances these closed cars are used to take the children to school in bad weather.

The Coupe is furnished on either the four

or the six-cylinder chassis.

COUPE

Artists add rare beauty to the National coupe after the mechanical engineers have perfected the fundamentals of the car's construction. Here is a handsome, comfortable, convenient car that is suitable for men and women alike. Here is the busy man's car. Here is the ideal machine for the woman. With electric lights, electric starter, and everything convenient and

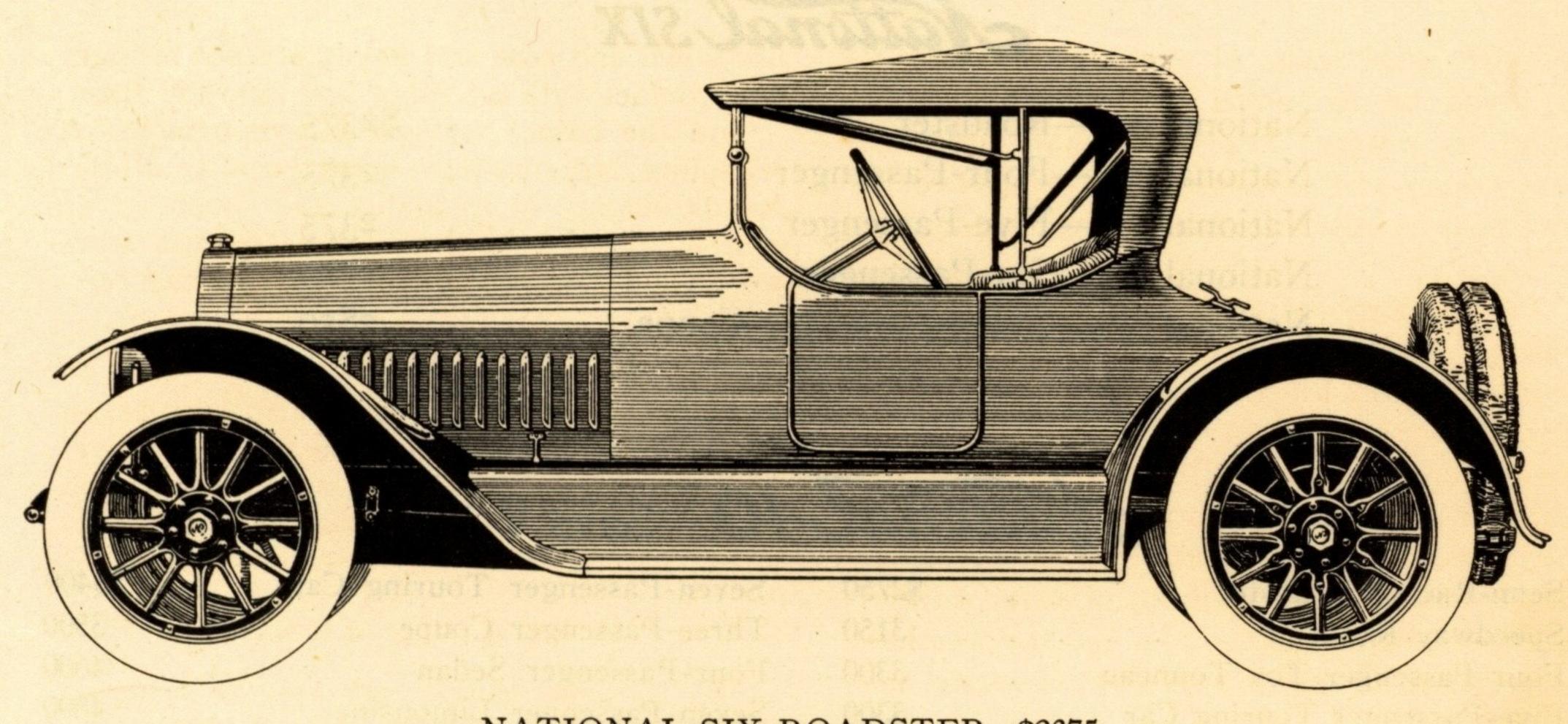
simple to manage, the woman's most discriminating desires are all gratified. The latest body styles are best exemplified in this coupe. Note the graceful slope of the hood, blending with harmony into the coach. The lines of this car make one continuous symmetrical effect, not broken up, nor spoiled by ungraceful design. The very best of material is used.

THE LIMOUSINE—SERIES V-3

SEVEN-PASSENGER

THE SEVEN-PASSENGER LIMOUSINE—Series V-3, FOUR-CYLINDER is the criterion of luxury, comfort, style and convenience. Fully equipped with built-in adjustable ventilating and rain vision glass windshield; tire carrier on rear; one extra Firestone demountable rim; Gray & Davis electric starter; Gray & Davis dynamo electric lighting system; Truffault-Hartford shock absorbers in rear; Warner speedometer; electric horn, tools and jack; Gray & Davis

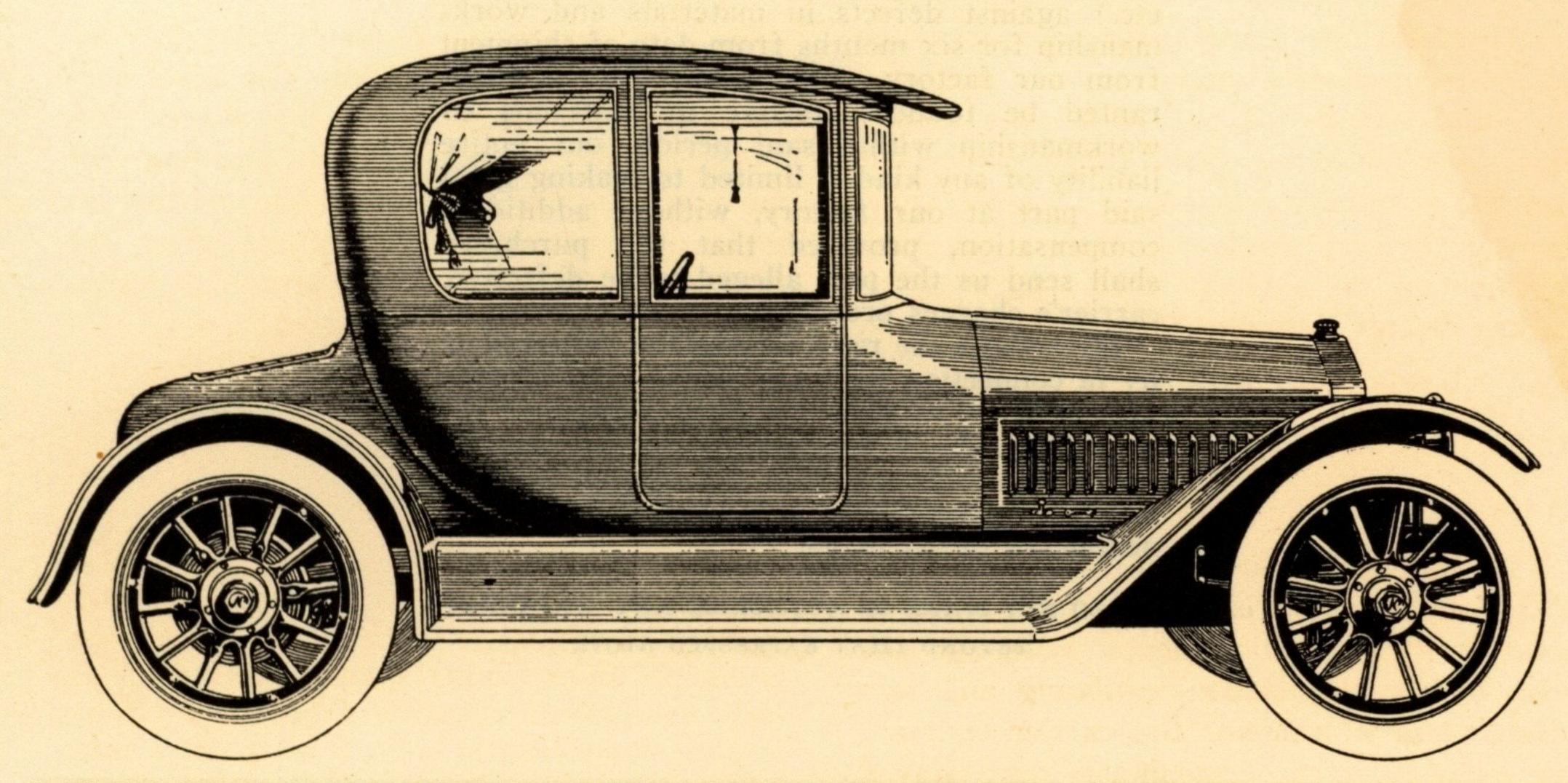
12-inch black and nickel electric bullet head lights; black and nickel electric pillar side lights; Gray & Davis black and nickel electric bullet tail light. Other conveniences are: 12inch upholstery; speaking tube; vanity box; interior dome electric light; folding extra seats which disappear under front seats; flower vase; coat rail; foot rest; umbrella rack; baggage carrier; left-side drive; center control; foot mat in running board; and two pullman disappearing electric reading lights.



NATIONAL SIX ROADSTER—\$2375

Staunch, stylish, smooth running, convenient and easily controlled.

Wheel Base 124 inches. Tires 34 x 4½.



NATIONAL SIX COUPE—THREE PASSENGER—\$2850

The ideal closed car for women or men. Cozy, comfortable, commodious and quiet.

PRICES AND WARRANTY

National SIX

National Six-Roadster .	•					\$2375
National Six—Four-Passenger						2375
National Six—Five-Passenger		•		al Ambiesana	o Milandaya a	2375
National Six—Six-Passenger	•					2500
National Six—Three-Passenger	r C	oup	oe .	• 49		2850

National 40 - Series V-3

Semi-Racing Roadster \$2750	Seven-Passenger Touring Car \$3400
Speedway Roadster 3150	Three-Passenger Coupe 3500
Four-Passenger Toy Tonneau 3300	Four-Passenger Sedan 4600
Five-Passenger Touring Car 3300	Seven-Passenger Limousine 4800

WARRANTY

We warrant all motor vehicles manufactured by us (except tires, ignition apparatus and trade accessories, such as lamps, tops, windshields, gas generators, speedometers, tools, etc.) against defects in materials and workmanship for six months from date of shipment from our factory. Should any part so warranted be found defective in materials or workmanship within said period, our entire liability of any kind is limited to making good said part at our factory, without additional compensation, provided that the purchaser shall send us the part alleged to be defective, carrier's charges prepaid.

We reserve the right to disclaim responsibility in connection with any motor vehicle manufactured by us if it has been altered or repaired outside of our factory, and we assume no responsibility whatever for repairs, replacements or other damages occasioned by misuse, negligence or accidents.

WE DO NOT MAKE OR AUTHORIZE ANY WARRANTY
BEYOND THAT EXPRESSED ABOVE

NATIONAL MOTOR VEHICLE COMPANY

INDIANAPOLIS, INDIANA, U. S. A.

