GOVERNMENT STEAM ROLLER

Experiments Made in Different Sections of the Country Demonstrated at Exposition Now In Progress.

them in various forms.

the exhibit is that which shows the use of asphalt, oil, tar and similar compounds the preservation of macadam roads subas dust palliatives and preventives, and for well as a complete outfit of earth-handling

fects of good and poor drainage as well as the benefits resulting from the use of are to be exhibited in the "exhibition hall, road machines for construction and split- off the foyer at the Madison avenue and log drags for repair.

Models of Roads.

a section of old dusty road, another secready for oiling, another where the oil the impression of a vast space not unc one where the oil and earth has been plenty of elbow room. mixed together ready for rolling and another section showing the finished road. This method of construction is adapted especially to the far west and southwest. where asphaltic oil can be easily secured.

building of a sand-clay road, and represents a section of old sandy road treated with a mixture of sand and clay. This method of conscruction is cheap and inwhere sand and clay are found in close great automobile show weeks, and that re-

construction of gravel roads, one where Trunk Line association for members of the the gravel is placed and the foundation prepared in the same manner as for a macadam road and the other where the gravel is spread on the prepared road surface from ditch to ditch.

The Telford model represents a stone

A special type of construction in use for witch is intended to take the place of the show, which opens on New Year's eve Telford construction is shown by another shaped foundation road, on account of the 8, to 15, inclusive, during the week of the fact that the foundation slopes toward the center instead of towards the sides. The center instead of towards the sides. The of Licensed Automobile Manufacturers, fourdation is built of field boulders, or which opens on January 8, and continues which opens on January 8. any kind of inferior rock available. It is surfaced with crushed stone as in

macadam construction. Burnt Clay Roads.

steps taken in the building of this 'ype title the holder, up to and including Janof road. The burnt clay road was designed uary 19, to a continuous return ticket over the office of public roads for the the route upon which the going journey Mississippi and other sections of the coun- was made. and other road materials are scarce.

feet in width illustrates the construction mobilists desiring particulars regarding of the macadam road according to the membership in the American Automobile standard fixed by the office of public association should make application to reads. This model shows the prepared Mr. Frederick H. Elliott, secretary, Amerfoundation, the first layer of crushed lean Automobile association, 437 Fifth ave stone, properly rolled, second layer of nue, New York, smaller material thoroughly rolled, and the finished surface sprinkled with water and AUTO TOGS ARE NOW BECOMING thoroughly rolled with a steam roller. An exact model of a steam roller is in ap- Change is Made Over the Old-Fasheration on this section of the road.

Near the macadam road model stands the miniature crushing plant with a quarry woman was dubbed a "sight" and apface in the back-ground. This model in peared to go out of her way to make hercludes crusher, elevator, screens and bins self ungainly have passed forever, says a for three sizes of stone. The crusher is dispatch from London. in actual operation.

On account of the fact that fast automobile traffic is injuring macadam roads which have ever been seen. An example throughout the country the office of public of the improvement which has been made roads has devoted considerable attention is afforded by the motor coats. Delicate to the study of various substances which furs, such as mink or sealskin, are not can be used to prevent dust and to considered hardy enough by the women preserve the surface of such roads. For: who makes a hobby of her motor car and models are devoted to this subject. One drives hundreds of miles a week. showing the surface treatment of an oil macadam road, one the penetration method another the macadam sand-tar method, method which is in extensive use in-England. Sections of tar macadam road are arranged to the best advantage. life of this class of construction.

A series of enlarged photographs, arthroughout the United States.

These lectures will be given daily,

See that the Teeth Mesh Home as satin ribbons to match the fur.

They Should. should be made from time to time to ascertain if on all speeds-forward and re- at the back with a gold safety pin. verse-the teeth of the gears and the dogs mesh home as they should do. If the change-speed system is one in which the position of the lever is controlled by notches in a quadrant it is a fairly easy matter to correct the mesh by filing the fresh notches and closing up the old ones. although in reality the proper place to adjust matters is to make good the parts which have actually worn. This last is. however, an expensive affair and invoices taking the gears right out in most cases, although it is sometimes possible to remove the sliding forks, and either set tuem sif they are strained) or thicken them up by rivefing a piece of steel plate to ineir sides if they or the grooves they work in of a sasoline motor, and not only that, but are worn in any case do not tolerate a failing off in power output as well. A gears which do not come fully into mesh, careful adjustment of the valve tappets to Alter the notch, or make good the defect otherwise as indicated in time, or you will, the valve stems and tappet heads should sooner or later, be faced with the expense at all times be maintained. Another cause which otherwise might have lasted for a rings, resulting directly in lost compreslong period of hard service.

Has More Space for Automobiles

With Seven Thousand More Square Feet, There is Still No Space to Spare.

That the Tenth Mational Automobile show in Madison Square garden, January 8-15, Uncle Sam is taking a deep interest in will eclipse any former exhibition of motor road building and in the government ex- cars, motor-cycles and accessories ever hibit at the National Corn exposition, now held in the famous building is positively in progress in this city, and has quite an assured by the official list of exhibitors extensive exhibit on roads. There is a just issued by the Association of Licensed large steam roller at work showing just Automobile Manufacturers under whoshow to roll the roads and how to prepare auspices the show is held. The list shows a total of III different displays of which The office of public roads was estab-, there are fifty-four exhibits of complete lished by the government for the purpose cars, besides 26 exhibits of accessories and of collecting and disseminating useful in- parts, and twenty-three motorcycle exhibits formation in regard to road building. The Even with an increase over last year of exhibit is intended to illustrate the work more than 7,000 feet of exhibition space of this office, and is especially designed which the show managers by ingenious to interest and instruct farmers and road methods were able to squeeze out of the officials in proper methods of road con- garden interior, there is not one foot of space available for exhibition purposes to The exhibit consists of a number of be had in any part of the building at models built on the scale of one and a present and there is a long waiting list half inches to the foot and illustrates the of manufacturers who are anxious to construction of fifteen standard types of "climb over the garden wall." This situaroads in use in various parts of the United vion is indeed a striking commentary on One of the most important features of the growth of the industry, when it is realized that at the first automobile show. in the country, in 1000, there were, only

sixty exhibitors who displayed their prod-As in previous years, this show of the hibit includes a miniature crushing plant standard makers of licensed cars has been and steam roller in actual operation, as departmentized so that visitors may find more readily those things which most interest them. On the main floor and elevated The model earth road illustrates the ef- platform will be found only gasoline pleasure cars. Electric pleasure vehicles The basement will be occupied by commercial vehicles, motorcycles and the overflow accessories. The concert hall, balconies and A model of an oiled earth road shows elevated platform will accommodate the how this kind of road is built and includes exhibits of accessories. Visitors to the garden will be agreeably surprised at the tion where the road has been plowed and distribution of exhibits, which will give has been spread on the plowed surface, fortably filled with cars and allowing

REDUCED RATES TO **GARDEN AUTO SHOWS**

The sand-clay road model shows the Railroads Have Announced Reduced Fares During Two Weeks of Automobile Exhibition.

Announcement is made by the America: expensive and is especially designed by the Automobile association that open meetings office of public roads to meet conditions will be held at National headquarters, 437 in the southern and southeastern states. Fifth avenue, New York during the two duced round trip railroad rates of a fare Two models are used to illustrate the and three-fifths has been granted by the association desiring to attend these meet ings and the automobile shows.

The first meetings are scheduled for De cember 31 to January 7, inclusive, during the week of the automobile show at Grand road built with a foundation of heavy Central Palace, under the suspices of the rock set on edge lengthwise across the American Motor Car Manufacturers' asroad and having regular mucadam sur- sociation. Members of the American Autovantage of the big reduction in reliroad several years in Massachussetts, and fare to attend these meetings, as well as

Meetings will also be held from January

until January 15. Tickets and certificates may be obtained not earlier than January 5 nor later than Innuary 10 for the trip to New York, which The burnt-clay model shows the various certificates, when duly validated, will en-

try, which have an abundance of gumbo | Only members of the automobile clubs or buck-shot soil and where stone, gravel, affiliated with the American Automobile association and individual members will A model fourteen feet in length and three | be entitled to these reduced fares. Auto-

loned Style.

The old days when the motoring

This winter will be remembered as having introduced the daintiest motor fashions most up-to-date coats are made of tiger. panther, lion or leopard skins.

"Motoring outfits nowadays are almost while the fourth shows the Gladwell row, "Every one can realize how hand one regal," according to a dealer on auto a leopard skin coat will be if the markings built in Washington. D. C., in 1872-3-5-5. Some clients are having their coats made. and which are still in use represent the in the smartest tailor-made designs, so

that they can be worn in or out of the car, "It is not so long since the motoring ranged on the walls shows roads and woman was supposed to wear a small bridges of various types of construction coth cap with a wide peak, which was not becoming to every face. Motor hon-Mr. M. O. Eldridge, who is in charge of usts followed in due course, and this pretty the exhibit, will give illustrated lectures old-worn headgear has been brought to in the biograph room on road building, perfection this season. The bonnets are circular, fitting closely to the head and made of mink, marmot or suble, but pre-WATCH THE GEARS CLOSELY ferably musquash, lined with soft, paleslored satin and tied under the chin with

"Fur scarts are very cosy for the A periodical examination of the guers motorist. They must be long so that they can be crossed over the chest and fastened

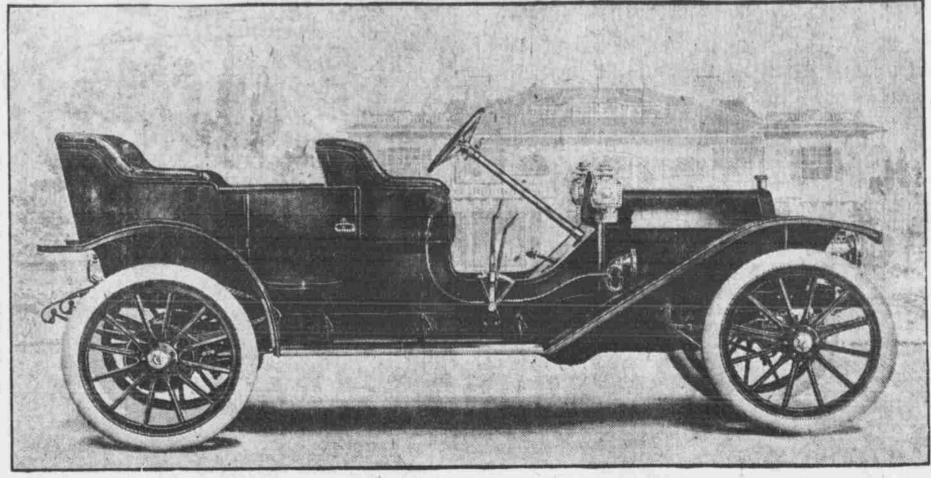
> "Another novelty is a waterproof or leather-peaked hood which can be drawn over the for bonnet in the event of rain. "Pur bags will be useful to give to the tautor girl for a Christmas present. They are fitted with a couple of large pockets. so that the bag can do duty for a muff. "Fur-lined boots and gloves and furbordered vells are among the latest accessories which every up-to-date woman must have in her wardrobe if she owns a

> > keep the Valves Tight.

A waste of fuel will result from a tack of synchronism in the action of the valves compensate evenly for wear on the end of of paying for renewing a set of genra of waste fuel is in leaky valves or piston ston-

EXTRA! EXTRA! EXTRA! 130 \$1350

Standard Equipment 5 Lamps, Generator. Magneto and Full Set of Tools



Standard Equipment 5 Lamps, Generator, Magneto and **Full Set of** Tools

The coming out of this car at \$1,350 is the biggest event in the automobile world.

You can't understand the full force and scope of this statement until you know what has gone into the making of the "Everitt 30."

The newest factory and the oldest

builders tells the story in a single Experience in building is the only left-over factor that has gone into

the construction of this car-everything else brand new! No old machinery has been used in the building of this car, merely because it was on hand, and had to be utilized. The Metzger Motor Car Co. starts out with a clean slate.

Its officers are the pioneers of the automobile business. Mr. Wm. Kelly, who designed the "Everitt 30." worked on the first automobile built in Detroit.

been foremost in every movement which has made Detroit the greatest automobile manufacturing city in the world. The machines made by these men have made good on every road and every kind of a road in this country. Their names are on the maker-plates of the leading American successes.

They saw that a change was coming in the automobile business. They recognized two things of prime importance.

First, that the demand of 1910 was not for a cheap car, but for a high-class car at moderate-yes-at low cost.

Second, that the time had about passed when the automobile manufacturer could dictate to the public, owing to the excess of demand, and say: "Here is the car you get-take it or leave it."

Seeing these two things clearly, these pioneers sold out their old connections, lock, stock and barrel, and started a new factory to make the "Everitt 30."

Perhaps you don't realize what a brand new factory means to you.

Machinery has to be specially built to make the parts of any automobile model. This machinery is surprisingly expensive. Naturally manufacturers hesitate about improving any part of their models, because any change, however small, means the change of eastly machinery-the throwing out of an expensive machine into the discard, and replacing it with a still more expensive one. That is why old established automobile factories often cannot see

their way to making improvements in their cars which would lessen the original cost to those who buy them, lessen the cost of operation, and make the cars better in many ways. So, you see, the manufacturer's stock of machinery is a big element in blocking progress of improvements, both for himself and for you.

But the Metzger Motor Car Co. made a clean, new start without this handicap of old machinery. They were not loaded down with a bolt or a screw that had to be used, because they hated to throw it away. They made their plant and their machinery to fit the model which they wanted to produce.

Then these progressive pioneers woke up to another important angle of the situation.

They saw that in the new condition of things the public must be represented. So they sent out to the various parts of this country and called in twelve of the foremost distributers and sellers of automobiles in the United States. This move is bound to become historic in the automobile business.

It is the first instance of the public invited to participate in the manufacture of an automobile. You know these men. If you do

not know them personally you know them by reputation.

They are the largest automobile sales agents and distributors in this country. They have sold annually for the last ten years an average of eight million dollars' worth of automobiles.

They know every success and every failure in the business-every kink and quirk, and every kick that the public has made on every car from the most expensive foreign importation to the cheapest American model.

These men, whose names appear below, were invited to come into the enterprise with their knowledge of conditions, their knowledge of cars, their knowledge of men and their capital. They were invited because the prime movers in this enterprise believed the knowledge of these men was necessary to the making of the ideal moderate priced car for 1910.

The "Everitt 30" is the result of the combined focused knowledge and experience of all these men.

Boston New York City Philadelphia Syracuse Indianapolis

Right tide of engine, showing extreme simplicity in construction.

The J. W. Bowman Co. H. J. Koehler Co. W. Wayne Davis C. Arthur Benja-Motor Car Sales

Detroit, Mich Chicago, Ill. Kansas City, Mo.

Denver Lincoln, Neb. San Francisco

There is nothing marvelous about its production. It is only logical and simple-and this is the reason why it can be sold to you at \$1,350 in the year 1910. Probably in a year or two from next January it will be produced or paralleled by every automobile manufacturer in America,

Security Auto Co. Githens Brothers

For 1910 this car will stand out as the King and Standard of its class. Until the other manufacturers can discard their old machinery and overtake the "Everitt 30," it must remain the car by which all others in its class are measured and judged. With present equipment no other

but that cannot happen this year.

manufacturer can produce it or anything like it for its price of \$1,350. Every "Everitt 30" that can be turned out in 1910 has already been demanded and allotted to the men

whose names are below. And what are the special merits of this car made by the oldest builders in the newest automobile factory

in America? Simplicity is the key note of this car. Its mechanism has been simplified at every possible point. Things which could not be eliminated to the clear working advantage of the car have been consolidated. The "Everitt 30" motor contains 150 fewer parts than its closest competitor.

THINK of it-150 less parts. What does this element of simplicity mean to the man who buys the car and runs it? A much lower original cost without any cheapening in the quality of materials-for the manufacturer can and does put the same materials into this machine that you find in \$5,000 machines.

It means simplicity and ease of operation.

The "Everitt 30" is so simple that any man'can run it; that the hiring of a chauffeur is not a matter of necessity, as with a car of complex mechanism, but a matter of convenience only. To save a chauffeur's wages means in many cases the difference between having and not having a car.

Again, this simplicity means greatly reduced liability to injury to parts and greatly increased ease in making repairs.

The machine of many parts-and that means our nearest competitoris a bewildering puzzle to the ordinary garage mechanic, to say nothing of the man in the car. But it is different - decidedly different - with the "Everitt 30." Suppose one of the connecting rods

needs attention you do not have to spread down a cloth and establish a picnic machine shop by the road side. By removing just eight bolts, the lower half of the crank case is taken off, and immediate access given to all of the working parts of the

removed without disturbing the cylinders.

Co.
The McArthur-Zollars Motor One casting for the upper half of the crank case, the four (4) cylin-Co. Kilburn Motor ders and the water jacket! Car Co.
Johnston-Fetcher
Motor Sales Co.
The Lincoln Automobile Co.
H. O. Harrison Co. And this element of simplification of consolidation, of combining two or

more parts into one casting is consistently carried out through the car. The repair bill and the irritating delays of the road are reduced to a minimum with the "Everitt 30" because it is so simple and so sound in its parts. The double drop frame is another

important feature. Some expensive machines have it, but none has carried it to quite the perfection of the "Everitt 30"-which has a five inch drop, as against a 31/2 inch for any other competitive car. This puts the weight of the "job."

the load, the center of gravity, close down to the ground-so that the car will stick to the earth, and not skid or overturn

The road traction is an important matter, and in no other car is it so perfected as in the "Everitt 30." On the other hand, the man who

runs on country roads wants a free clearance. This is accomplished by designing our axles and steering mechanism, so that they are not as near to the ground as are those of our competitors. In a word, this car is made for every kind of driving. It has a geographical adaptability that no other car of any price possesses.

Take the matter of weight-that, too, is important in more ways than one. The "Everitt 30" does not weigh to exceed 2,200 pounds-or about 300 pounds less than its nearest competitor. Tire manufacturers prescribe weight limits for cars without their

The "Everitt 30" will take its load, and still be almost under the prescribed limit of weight. You know what that means-it costs a lot less for tires. And, by the same token, this light car will run the same distance in the same time as the heavier car, and at much lower cost for

In no other car on the 1910 market

can you get so much automobile for your money as in the "Everitt 30."

Remember, it is not a cheap car elaborated; it is a costly car focused by adroit engineering, by skillful corner cutting, by special advantage of the newest factory and the oldest builders, down to the low cost of \$1,350. And this has been done without the sacrifice of a single point in quality. Absolutely the best is to be found in every part of the "Everitt 30." It is not an assembled machine. It is built in its own factory by specially designed machinery, and under the watchful eye of those who must and do stand back

This warrants the standardization of parts, and enables you at any distant time to replace lostantly any part in your car without special fit-

Here is a car which is worth waiting for.

Once more we say that the "Everitt 30" is the greatest event in the automobile world. Look into it. Prove every word we have said about it. Find out more about the car and the men behind it than we can tell you here-and find it out for

Specifications "Everitt 30"

Color Royal Blue Seating Capacity Two, four and five persons Cone 110 Inches Gauge
Tire Dimensions 34x3½ inches
Brake Systems Two sets fracting and ex-panding on both rear wheels Thirty

Horse-power Cylinders Arranged

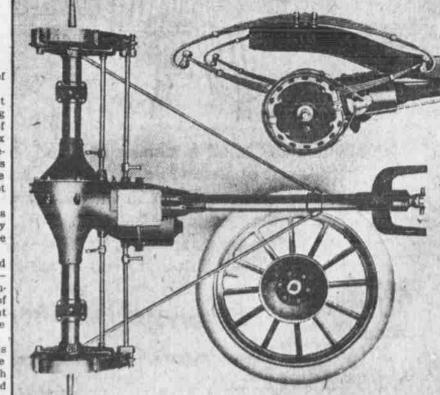
Stroke Radiator

Gear Changes

In Bloc.
4 Inches
4% inches
Water
Vertical tube Jump spark
Dry buttery and
magneto Shaft Selective sliding

Vertically under

forward, one reverse



Rear axle assembly, showing transmission, incorporated on rear axle. The two brakes on rear wheel operating internal expanding and external contracting on brake drum. In the upper right hand is shown the spring

DETROIT, MICH.

METZGER MOTOR CAR ():

DETROIT, MICH.

THE LINCOLN AUTOMOBILE CO., 118-126 N. 13th Street, LINCOLN, NEBRASKA.

Distributers and Factory Representatives for Nebraska.