

Toy Planes Fly 1,200 Feet and Perform Stunts

Output of Old Santa Claus' Workshop This Year Is More Amazing Than Ever Before.

A great poet once said, "A boy's will is the wind's will." Toy makers have evidently taken this saying as their motto as they have considered almost every conceivable trend of boys' minds in the manufacture of their Christmas toys.

For the ingenious and war-like there are toys of a war-time flavor. Among them are siege guns which shoot wooden bullets, machine guns shooting smaller wooden bullets and others which only make perforations in a paper tape, although the sound of the toy is wonderfully like the machine guns their grown-up brothers heard in France.

"Stunt" Airplanes. For the studious there are electrical toys, building apparatus with which houses, automobile trucks and other wonderful things may be constructed and engineering and wire-less outfits.

For the boy of mechanical turn there are railroad trains, automobiles and street cars operated by springs or electricity. Then there are airplanes which fly 100 to 1,200 feet and by clever manipulation of the stabilizer they can be made to do "stunts" known to grownup aviators.

The old standbys like father got from Santa Claus when he was a boy are not overlooked. They were rubber-tired tricycles, drums, sleds, roller skates, ice skates and sport goods.

Are American-Made. The little girls have not been forgotten by the toy makers. There are beautiful dolls, some that say "mama and mamma" in a baby voice; dishes, stoves, pianos, play houses with play furniture and all the things that delight the little feminine mind.

Most of the wonderful toys now on display at the big department stores are American-made, only a few coming from Germany and Japan. The beautifully-colored picture books, without which no Christmas would be complete, come from Germany.

Previous to the war American kiddies depended on Germany for their toys. During the war the toy market was almost ruined. Necessity showed the way to American toy makers and the result is American toys bid fair to take the front rank.

Before the war little boys liked to play war. They liked to receive guns, cannons and swords on Christmas. Some of them were dangerous.

War Toys Are Safe. The late war has left its imprint on the toy makers. They continue to cater to the little boys' military tendency by making engines of war in the exact replica of those used in the war, yet they have been careful to make them safe for peace time playing.

The general trend of toys is toward the educational and instructive kind. Toy makers are producing toys which teach as well as provide pleasure.

J. C. Weston Elected To Ajax Presidency

Joseph C. Weston was elected president and general manager of the Ajax Rubber company, Inc., at a meeting of the board of directors, November 27.

President Weston came to the Ajax company as vice president about a year and half ago from the United States Rubber company, with which organization and its subsidiaries he was connected in executive capacities for more than 20 years.

Metal Brackets.

Car owners who do their own repair work often need metal brackets or angle pieces of a certain size and shape. These are quite easy to make in the garage with the ordinary tools and a vise out of soft rolled brass or iron strip from 1-16 to 1-2 inch thick, and this strip is so easy to obtain in a variety of widths from any metal warehouse that it does not pay to cut up a sheet. If brass is used it should be made quite soft by heating to redness and plunging into water. To save time and avoid waste of material always make a thin cardboard template or pattern of the fitting and then work to it. In most cases the holes for screws may be drilled before bending the strip in the vise.

Water Leaks.

When water leakage develops between the rubber hose and the outlet from the cylinder jacket, or where the hose joins the radiator pipe, it can be obviated by wrapping the joints with ordinary adhesive tape. The proper method to follow is to remove the clamps, tape the joints and shellac the tape. When the shellac is dry the hose clamps should be replaced. Be sure that the clamp draws up in a perfect circle. If it is out of shape and will not draw up properly it will bunch up the rubber hose so that leakage will begin again before long.

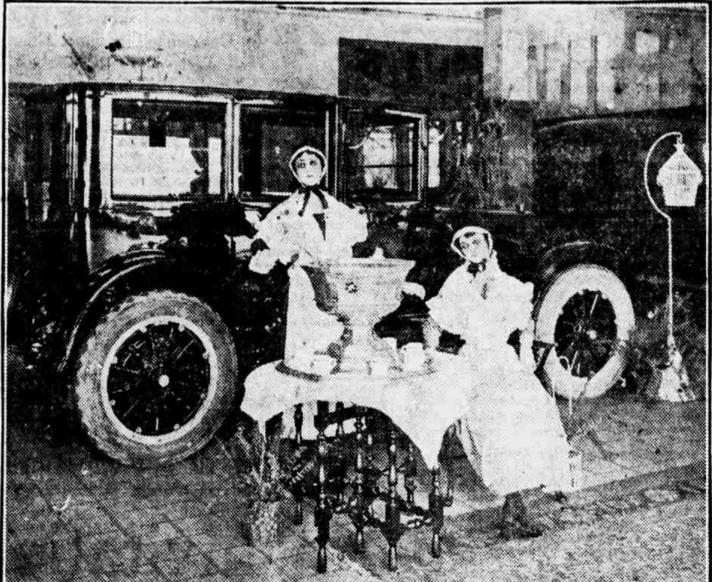
Chipped Gears.

Chipping of the gears is usually caused by gears that are too hard, a pinion too far in or too far out of mesh with the ring gear, improper alignment of either of the gears or a ring gear sprung or bent. The best remedy is to install new gears, but sometimes the chips may be fished out through the grease plug hole, or housing cover, after loosening it with a screw driver or punch, thus avoiding the necessity of disassembling the housing. If a number of teeth chip off at the outer ends chamber them by grinding.

Cam Shaft Knocks.

A cam shaft moving endwise will produce a knock similar to a light connecting rod knock. As the engine speed is increased, the cam shaft is held in one position by the additional power required to drive it and the knock usually ceases. The cam shaft gear plate may be removed and pressure exerted on the end of the shaft, holding it back against the front flange or the cam shaft bearing, thereby determining if end play is producing the knock.

\$5,000 Bowl Is Feature of Exhibit



The above photographs show part of the unique window display which was arranged at the Cadillac show room during Thanksgiving week. One of the features of this exhibit was the huge punch bowl, the value of which was well above \$5,000. This punch bowl is made of silver inlaid with gold and is a gift of R. H. Collins, president of the Cadillac Motor Car company, to the old guard of Cadillac distributors.

"The Mikado" Caste Starts Rehearsals For Institute Benefit

Rehearsals of "The Mikado," Gilbert and Sullivan's delightful light opera, are under way and will be presented at the Brandeis theater by the Omaha Opera association in January. Principals and chorus members are being tutored in their parts by Oscar Lieben, stage director, and J. E. Carnal, musical director. The proceeds will be donated to the Child Saving institute.

The association presented Balfe's "Bohemian Girl" last season in a creditable manner. The organization is made up of Omaha choir singers. A few more good voices are needed, according to Mr. Carnal, to strengthen the chorus.

The cast is: Mikado, Charles R. Gardner; Ko-Ko, Oscar Lieben; Pooh-Bah, Frank Latender; Nanki-Poo, Lawrence Dodd; Yum-Yum, Miss Charline Johnson; Katisha, Mrs. Grace Poole Steinberg; Pitti-Sing, Mrs. Bradley Roe, and Pish-Tush, Marcus T. Neilsen.

Omaha Man Named Western Manager of Jackson Motor Co.

The Jackson Motor corporation of Jackson, Mich., announce they have closed a contract with Fred O. Clough, for the past four years sales manager of the Western Motor Car company, to act as western sales manager for all territory west of the Mississippi river to the Pacific coast. It is the intention in the spring to open a factory branch in Omaha and obtain a local distributor.

Another Stevens Record Reported to Omaha Agent

Another Stevens record was recently reported to Walter Johnson of the Mid City Motor and Supply company, which indicates that in a cross-country five-mile sweepstakes, staged at Iron City, the Stevens' time was 4:55 2-5. Five drivers started in the event but the Stevens' took the lead at the start and held it throughout.

In the Algerian Sahara the Arabs are abandoning their famous horses for motor-propelled machines.

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In Drilling.

Kerosene should be used in drilling, reaming or turning malleable iron or aluminum. On the other hand, turpentine should be used instead of the oil for drilling hard steel, as it will enable rapid drilling of the metal.

Ouija Board Useless For Diagnosis of Battery Troubles

"Perhaps somebody will get rich one of these days diagnosing battery trouble with the help of an Ouija board," says Elmer Rosengren of the Nebraska Storage Battery company, "but until then we will have to be satisfied with the slower, old-fashioned methods."

"It's remarkable how simple and accurate these methods are. The hydrometer, for instance, tells the specific gravity of each cell, and in that way the exact state of charge. From this test and another known as the insulation test, the battery man can tell whether a little recharging will put the battery in condition, or opening up for repairs will be necessary."

Retail Store Purchased By National Auto Concern

Announcement was made last week that the National Auto Accessory company had purchased the retail store of the U. S. Auto Supply company, 2012 Farnam street.

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What for? Watch this paper. On December 12th we will tell you what FOUR. Maybe you can guess.

The MOTOR DIGEST

Java has become an important market for motor vehicles. Gasoline was first used as a liquid for cleaning of clothes. Only one person in every 5,300 in Russia owns an automobile. Great Britain is expending \$140,000,000 a year on highways. Senator Warren G. Harding is a member of the Chauffeurs' union at Washington, D. C. Free schools are conducted in New York City for instruction in operation and care of motor trucks. Alabama, Arkansas, Nevada, South Dakota and Oklahoma have one motor vehicle for every mile of road. A new motor company organized in Manitoba, with a capital of \$1,000,000, will build automobiles in Winnipeg. Operators of motor trucks without speedometers, with worn brakes are subject to fines up to \$100 in Milwaukee, Wis. An average of four men were employed to construct each of the 1,650,000 passenger automobiles produced last year. All but nine states in the union have already surpassed the total number of motor vehicles for the entire year of 1919. Money invested in the automobile business in the United States has now reached the stupendous amount of \$3,166,834,694. Passenger car and motor truck owners in New Jersey are facing an increase in tax fees from 20 to nearly 400 per cent for 1921. Motor vehicle shipments from factories during the month of August were reported to be the heaviest in the history of the industry. Edward Morris, 16 years old, of Philadelphia, has the distinction of being the youngest motor race driver in the United States. A forfeit of \$600,000 a day is made by one of the largest automobile manufacturers in the United States, as a result of the new price reduction. Members of the Garage Workers' union in New York City are demanding a minimum wage of \$7 a day for washers, \$6 per polishers and \$50 a week for foremen. In 1892, the first year for which records exist in the automobile industry, 37 passenger cars were manufactured. Today the normal production amounts to 2,250,000 a year. The average working life of a horse is nine years and 15,000 miles of travel. Motor trucks, in many cases are found to be good after 15 years of service, after having covered from 100,000 to 200,000 miles. Municipal underground parking stations for motor vehicles has been in operation in Europe for more than 10 years. They are found in Berlin, Paris and Rome. The average capacity of the subway garages is 200 cars. Despite the steep and crooked roads through the Yellowstone National park, over which no less than 10,000 privately owned motor cars toured this year, 10 accidents have

Former Liberty Man To Sell Hupmobile



NEW PHOTO
William McCullum.

William McCullum, who has distributed Liberty cars in this territory for the past four years, holding the office of secretary treasurer and general manager of the Omaha Liberty Auto company, sold his interests in the above company and has accepted the position of general manager of the Victor Motor company, 2523-25 Farnam street, retail Hupmobile dealers. Mr. McCullum states there has been quite a bit of activity in the sale of cars during the past week. In addition to selling two new cars the Victor Motor company disposed of their entire stock of used cars. The total sales amounted to \$19,000. been reported, only two of which were of a serious nature. The formation of Republican Women's National Motor corps was recently announced. The organization of women offered their passenger cars and personal service during the remainder of the presidential campaign to transport speakers, for parades and for other services in the 4,000 counties of the United States.



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FIRESTONE RIMS
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How We Help

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Second—Advice
Third—Battery Sales

"Service" is, and always will be, our job 365 days in the year, but we're on the job anytime to show you a Still Better Willard Battery with Threaded Rubber Insulation—the kind selected by 152 manufacturers of passenger cars and motor trucks.

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Drilling Glass.

The car owner who finds it necessary to drill holes in glass will succeed if he uses the following method: Grind the points from one corner of a small three cornered file on the bias from the other. Place this in a bit such as is used in hard wood. Place the glass to be bored on a smooth surface covered with a blanket or similar material. Begin to bore the hole exactly as if the substance were wood. When a slight hole has been made surround this with putty and fill the annular thus created with turpentine to prevent heating. Do not press too hard on the drill in boring.

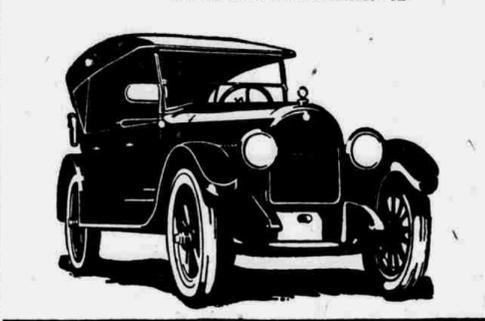
For Christmas Morning

WHAT could bring more real joy and happiness to your family than finding a new Stephens Salient Six in the driveway.

A new car of proven mechanical excellence and superb design. One that your family will be proud of at all times.

Start now to make your plans for a Stephens Christmas. No matter what kind of a car you have now, a Stephens will give your family a new conception of motor car value.

Mid-City Motor and Supply Co.
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STEPHENS Salient Six

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Special Introductory Sale Now On.

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H. H. Redman, Mgr.

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EVERY day you see Hudsons two and three years old, which, both in performance and style, might well be judged of recent production.

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The advance ideas you will always find in Hudson. But they must earn their right to belong. That fact established its leadership of motor style.

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