

RUST-PROOFED PARTS ON ALL CHRYSLER CARS

Rust is the bane of age and neglect. More automobiles find their way into the junk heap because of rust than for any other reason. If it runs well, the rust-eaten car is an object of distaste to particular people. Pride of ownership is gone and when this has departed, mechanical efficiency soon goes also.

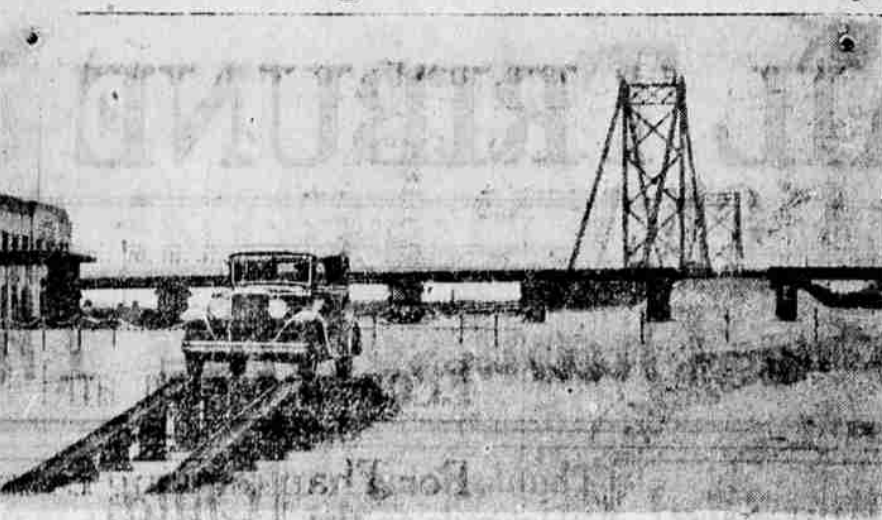
With this thought in mind, Chrysler engineers have made one of the most comprehensive studies it has been possible to make of the subject of rust. Thousands of experiments have shown how rust starts in each part and the material has been examined as to material, the duties it has to perform, and the conditions to which it is subjected in service.

The rust has been the classification of every part on the Chrysler car that could possibly rust, and the rust-proofing process has been adapted to that particular part because of its location on the car and the material of which it is composed has been selected. Rust has been beaten before it can start on the new Chrysler cars.

Every part that could rust has been treated so the rusty oxide cannot get a foothold. It has been found that six processes are required to meet the requirements—bonderizing, cadmium plating, chrome plating, sherardizing, back etching and nickel plating. Each part is rust-proofed in one or more of these ways. The rust-proofing process has been adapted to that particular part because of its location on the car and the material of which it is composed has been selected. Rust has been beaten before it can start on the new Chrysler cars.

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Ambassador Bridge Dedicated Armistice Day



A motorist regarded with suspicion by United States customs officers at the Detroit end of the new Ambassador bridge, between the United States and Canada, spanning the Detroit river, will be required to drive his car on a treadmill for examination, so that the inspectors can look underneath for trick tanks and concealed containers of contraband. The photograph, posed by a Graham-Paige, shows the inspection rack on the Detroit bridge plaza with the customs house and bridge towers in the background. Comparatively few cars out of thousands will be subjected to this search. The new bridge, the longest single suspension span bridge in the world, was dedicated with international ceremonies on Armistice day. The new bridge enables motorists to avoid the long delays incidental to the ferry trip between Detroit and Windsor, and opens up a short route between western points and Buffalo.

America, the World's Prescription Counter

WASHINGTON, D. C., Nov. 23.—Uncle Sam on board ship in a galton hat, stars and stripes suit, carrying a little black satchel in one hand and grasping a hypodermic needle in the other, is the picture that American medical export figures point to. Particularly is it the picture drawn by the biologists, that is, the anti-toxins, the serums and the vaccines, which have become the largest single item in the extensive ranks of the medicinals.

New High Export Level

American exports of biomedicals are expected to top \$2,000,000 in value for the first time in 1929, says a bulletin of the National Geographic Society on the United States' role in fighting disease all around the world.

"Approximately one-tenth of the serums, antitoxins and vaccines for humans and animals produced in the United States now go to the near and far ends of the earth. Figures collected by the Department of Commerce will show during 1929 for the first time what proportion of the biomedicals are for animals and what proportion for humans. Estimates for the first eight months indicate that four-fifths of the supplies go abroad to protect humans against typhoid fever, diphtheria, tetanus (lock jaw), rabies, pneumonia, small pox and the like. The remainder guard animals from the ravages of hog cholera, anthrax, black leg, foot and mouth disease and similar plagues.

When Uncle Sam Plays Nurse

The intensive research work of the medical profession in the United States, the high standards of sanitation and precaution set by the Hygienic Laboratory of the U. S. Public Health Service and followed by the plant drug manufacturing companies, combine to make the United States a chief consultant when nations take sick with an epidemic disease.

"Ground mummy dust from Egypt was a favorite drug of Europe until the eighteenth century and the absurdity of this remedy makes modern smile. No more strange, but more seriously true, is the fact that the pulverized frozen animal cords of rabbits, killed by virus in Cleveland or Indianapolis, will save the life of a Chinese bitten by a mad dog in Shanghai.

Vaccine, serum and antitoxin production and distribution has sprung up in 25 years. Every agent of this medical group has been standardized since Pasteur's famous discovery of the vaccine to thwart rabies in 1884. Jenner, 100 years earlier, had proved that a mild case of cowpox would make a person immune from smallpox, but his application of the vaccination principle continued by rule of thumb until Pasteur made his experiments.

While our forefathers were fighting the revolution, European physicians were dying annually of smallpox. Probably more American Indians died from that plague than from bullets. Everybody took it. Survivors, white or red, carried pox marks to their graves.

Horses Supply Diphtheria Antitoxin

"A few hundred head of calves now annually save half a million Americans from death by smallpox. A few horses, standing quietly in their sanitary stalls, contribute the serum that gives hope of blating out the peril of diphtheria. The chances of recovery of a child of an adult taken sick with diphtheria 25 years ago were only 2 to 1; now, by virtue of the few horses a diphtheria patient's chances are 15 to 1. Medical authorities believe that proper concentration by parents and doctors can reduce the diphtheria death rate to nil.

"Cattle, horses, snakes, rabbits and guinea pigs are the living machines of the United States biological industry. They manufacture precious products worth \$20,000,000 annually.

"Guinea pigs deserve to be included in the list, although they are rarely, if ever, producing units of the biological business. Guinea pigs are to biologists what scales and chemical analyses are to other industries. New lots of serum and vaccine must be tested for quantity and quality on guinea pigs before they are released for use in human beings.

"One buys a pound of salt, a ten per cent solution of iodine and chemically certified milk, but one buys, it may be said, a guinea pig's worth of antitoxin. The antitoxin unit is defined as that amount of antitoxin which just suffices to protect a guinea pig of 250 grams weight against 100 times the minimal lethal dose of diphtheria toxin.

Vaccine, Serum and Antitoxin

In these three confusing words, vaccines contain limited numbers of disease-causing bacteria which are introduced into the body in such numbers that the body builds up a resistance against them and also against chance infection by similar disease bacteria. Antitoxins are antibodies contained in serum, which is lymph separated from red corpuscles of blood—usually blood from horses.

"Certain bacteria give off toxins which poison the body, as in diphtheria cases. Diphtheria, induced by man in horses, results in the creation within the horse's blood stream of antitoxins which offset the poisoning effect of the toxins. These antitoxins, drawn from a horse in serum and introduced into humans, help the human body resist the toxins originating in bacteria the body may harbor.

"The list of human life now believed susceptible to the effects of vaccines and antitoxins extends yearly. It includes the familiar names already mentioned and scarlet fever, streptococcal infections, influenza, whooping cough, and others.

"At present New World countries buy most of the biomedicals going into the foreign trade. The principal purchasers are Argentina, Cuba, Mexico, Spain, Canada and the United Kingdom. Other countries that look to the United States to help cure the ills of their people and their animals are: Portugal, British India, Colombia, Australia, China, Peru, Chile, Venezuela, the Philippine Islands and the Union of South Africa.

November Fields

November fields lie brown and bare. Beneath a blank, gray sky. But time passes another year in centuries gone by. When pilgrims kneel in silent prayer. Of thanks for harvest's yield. And blessed the soil that was so here. In a November field.

November fields were red with blood. Beneath dark clouds of war. Then came a rain over Flanders mud. Stilled was the cannon's roar. Grim men bowed heads in silent prayer. And scores of hate were healed. When hope was born from out despair. On a November field.

Reginald Denny at Craterian Theatre

If you are in search of enjoyment, see Reginald Denny's latest farce. It is entitled "His Lucky Day," and it is playing now at the Craterian theatre.

Denny, star of many excellent farces, is at his very best in this light, frothy comedy. He dashes through it with an air that would bring laughs from the most serious of mortals.

Otis (Helen), veteran stage and picture comedian, gives Denny splendid support in provoking the indignity of the audience in his role of gentleman crook.

LoRayne DuVal, pretty and charming, plays the feminine lead in the picture.

Cissy Fitzgerald, one of the best comedians of stage and screen, adds much to the merriment of the picture in her characterization of the woman crook who poses as a social leader.

John Gilbert Star of Coming Talkie

Humor and passion in gay Vienna, with John Gilbert as the officer who dares to love the haughty princess, is the cinema fare at the Craterian theatre tomorrow when "His Glorious Night," a dialogue feature, opens.

The story comedy, "Olympia," from which this film has been adapted, was written by Ferenc Molnar, whose name on a play is as much a guarantee of wit and gaiety as the word "Sterling" on plate is a pledge of true silver.

Lionel Barrymore, generally recognized since the premiere of "Madame X" as one of the finest sound film directors, was entrusted with the task of seeing that Molnar's wit came to the screen as bright and fresh as it was originally written.

The plot is said to be filled with laughable situations and ironic twists.

"Three Passions" Is at Rialto Tonight

Money, selfish love—clashing in the environment of modern London, as they have clashed all through man's history, provide the theme of Rex Ingram's new production, "The Three Passions," which will be the attraction of the Rialto today.

Even a novel by Cosmo Hamilton, whose works have been the basis of many successful films, "The Three Passions" is a picture of English life.

This it covers in the diverse aspects it wears in London "society," in the slums of the British capital, at Balliol college, Oxford university, and in a huge ship-building yard.

The famous Armstrong works at Newcastle-on-Tyne were used for the latter scenes. Real underground vaults cooperated in the university scenes.

Polish Exports Exceed

BRUSSELS (AP)—Belgian farmers exported \$21,400,000 eggs in the first six months of 1929 compared with \$18,600,000 in the same period of 1928. Strict British regulations decreased the trade there by 18,000,000 eggs but this was more than balanced by an increase of 40,000,000 in the exports to Germany.

Smart Clothes To Be Worn to Football Game

Football fashions that smart women are wearing to the games:

Short fur coats of lapin and harundini with bright, woolen frocks.

Three quarter fur coats of moiré, lapin, beaver, brooktail, worn over colored frocks of silk or wool with matching shoes and hats.

Low-high heel shoes. Leather purses.

Fine French felt hats with long backs and flat fronts.

Coarse tweed suits with tuck-in blouses of Jersey.

Lacy tweed ensembles with coats bound in lapin.

Fur coats lined at the collar with silk scarfs.

Ensembles belted at the normal waistline.

Sport frocks of Jersey with plique or ornamental collars worn under woolly sports coats.

Heavy tweed dresses worn without coats.

Decorations For The Home

It is interesting to know that it was during the Gothic period that the silk weaving industry was introduced into France. Certain old poetic romances would lead us to suppose that the weaving of silk was practiced there from the twelfth century. While more exact records contain unimpeachable evidence that a limited number of gold and silver tissues were manufactured at Paris towards the end of the thirteenth century. It is also claimed that silk weavers and their looms were installed at Avignon by the pope during the years of their residence there from 1369 to 1377. At the beginning of the thirteenth century the Italian silk-weaving industry first began along with other crafts to reflect the Gothic influence. The appearance of the new style was coincident with the arrival in 1265 and the subsequent advance to power of Charles, whose rule extended not only over the French provinces, Aragon and Provence and over Naples and Sicily, but he was imperial viceroy of Tuscany and lord of many cities in Piedmont and Lombardy.

The transition from the high medieval silk style to the Gothic was accomplished suddenly and with decision. We might expect to find in the new patterns, motifs repeating the plant ornaments which so beautifully enriched the architecture of the period, but such was not the case. The un-

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FINDS A WAY TO STOP ATTACKS OF FITS

Reports are received of an amazing treatment that epileptic state has been successfully treated in persons who had attacks. R. S. DeSoto, 114 S. Riverside Ave., Milwaukee, Wis., has been supplying sufferers with this treatment. He now wishes to reach all those who have not been helped and to do so is making the startling offer of a generous treatment free to all sufferers. Anyone afflicted should write for this free treatment at once, giving age—Adv.

delving principle of naturalism was expressed rather in a multitude of new European motifs, which were given precedence over the old traditional patterns. Storm tossed trees, twisted stumps and branches issuing from fenced enclosures or from ponds, rocks and small fragments of earth, castles surrounded by moats, ships, tents and fortifications, were all drawn with an engaging degree of realism. Animal and bird forms continued to be used, but they became more animated and gradually more familiar in type.

A change also occurred in the disposition of the elements of the design over the surface of the fabric. Roundels and other decorative shapes enclosing symmetrical motifs were definitely discarded in favor of a freer and more unconventional arrangement. Rows of motifs often being shifted about in order to bring variety to the regular repeats.

Query.—In a recent article you spoke of using farm water to clear an oil painting. What kind of water is this? Also would you mix and use equal parts of turpentine and boiled linseed oil and how is it applied? (H. M. J.)

Answer.—In answer to your first query, it should have read warm water and was simply a newspaper mistake. Mix the turpentine and boiled linseed oil together in a dish and apply with soft cloth.

BERLIN (AP)—By a joint arrangement of the federal and Prussian governments and the city of Berlin subsidies will be provided to prevent members of the Philharmonic Orchestra of Berlin from accepting engagements in other hands. The fund will provide sick benefits, pensions and yearly salary increases.

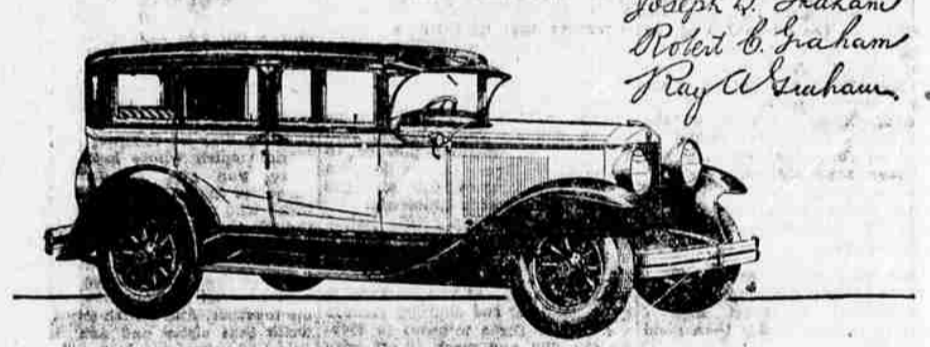
FRANKFORT (AP)—Oil has been found in the Rheinland but whether in commercial quantities is doubtful. Boring near Hirtzbach yielded petroleum at a depth of 265 feet just beneath a 10 foot layer of sand.

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AIR FLIGHT NEW FISK PRINCIPLE TIRE CONSTRUCTION

What has been characterized by automobile tire engineers as one of the real steps forward in tire engineering since the advent of the balloon tire is announced by H. T. Dunn, president of The Fisk Tire Co., Inc., whose engineers and technicians have developed a radically new method of automobile tire construction, embodying a principle known as the air-flight principle, which permits the air in the automobile tires to carry a much greater percentage of the load of an automobile than at present.

This new principle has been achieved after several years of intensive research and laboratory work," Mr. Dunn explained. "It has resulted in increasing the size of the air chamber of the tire, permitting the air itself liberally to ride on air. This has been done without sacrificing tire mileage because of other exclusive features which make the tire less rigid, prohibiting unequalled strains and giving tremendous strength and resistance to road inequalities and heat without the necessity of undue massiveness and thickness. At the same time an increased length of flex area enables strains to be absorbed versus a greater portion of the tire without concentration in one spot, rendering undue thickness unnecessary. The whole makes a tire perfectly balanced and adds considerably to the riding qualities of any car equipped with it.

"Before going into production on the new air-flight tire, we put them to every conceivable test under actual operating conditions. The highly favorable results proved conclusively that this principle of the design marks another milestone in the progress of tire building.

"Air-flight tires resist to an amazing extent abrasion wear and strains set up by road irregularities. They resist also the action of heat and truly give the car owner the sensation of an air-flight, of riding literally on air. Motorists who were astounded at the improved riding comfort provided by balloon tires will be amazed at the difference between riding in a balloon tire equipped car and a car equipped with air-flight tires. Both tire and automobile engineers agree that the Air-Flight Principle has advanced the riding comfort of automobiles as much as shock absorbers and balloon tires did in their day."

LONE ROGGER NO BANDIT UNDER MEXICAN CODE

MEXICO CITY (AP)—A boldman who operates alone is not a bandit under the new penal code, which says:

"Bandits are those who in the number of two or more attack any one with the object of injuring him or his patrimony."

A 20-year prison term is provided for bandits, whereas a life-hold-up man can escape with a much lighter sentence.

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