NEWS OF INTEREST TO AUTOMOBILE OWNERS

Always Ground Chamois Funnel When Straining Gas in Filling Tank

Generation of Electricity - A Static Charge by Friction of Non-Conductors Frequently Results in Electric Spark -Explosions and Fires So Caused Becoming Common.

TELL US YOUR TROUBLES

"In the last few months many ar ticles have appeared in the automobile papers giving accounts of fires said to have been caused by sparks resulting made with an expert automofrom charges of electricity generated bile man to answer any quesby the straining of gasoline through chamois or in other similar manners," writes Herbert Chase, chief engineer bile repairs, engine or other of the Automobile Club of America, in troubles, through these colthe June nur per of Motor Travel, the official publication, "A considerable amount of material has been such communications to The collected by the writer on this subject, Editor Automobile Section, with the hope that some authoritative Advertiser, London, Ont. date might be presented to the benefit of club members. The bureau of stand- to be filled. As the gasoline passe ards at Washington has been conductthrough the chamois the funnel takes ing an investigation along this line, on the electric charge. If, then, the funbut as yet has made only a preliminary nel be brought close to the tank of the report. From this and other sources car, or with any other conducting the fact has been established that fric- medium, a spark will jump from the

"It is a fact long recognized by phy- plosion follows, and a fire is almost sicists that the rubbing together of certain to result, providing the heat two non-conducting materials will of the spark be sufficient to ignite cause the production of a static charge. this mixture. The electric charge thus generated will distribute itself over the surface of the occurred more frequently is presumnon-conductors or other object in con- ably due first to the fact that the heat tact therewith. If, then, either body of the spark is not always sufficient containing the charge is brought close to ignite an explosive mixture, even though this mixture exists in the reto another body which is not charged, gion where the spark occurs, and, secor which has a charge of lower poten- ond, more often because the proportion tial than the first body, a spark will of air to gasoline vapor is not such that

"Gasoline itself is a non-conductor. as is chamois and such material as to do with the production of so-called rubber, canvas and the like, from 'static' charges, or at least with their distribution. Thus, if the air be warm which hose such as is used, for ex- and damp the air itself is a sufficientemple, to deliver gasoline from the ly good conductor to preclude the posordinary type of measuring pump into the tank of a car is made. The pastern of gasoline through such a hose sage of gasoline through such a hose or through chamois in a funnel is apt, quently exists during the winter especially in a cold, dry atmosphere, to produce a static charge on the surface of the funnel in which the cham- dissipated in the form of a spark ois lies, or at the nozzle at the end of jumping to another object or to the

Poor Mixture Prevents Explosions. "Suppose, now, in filling a tank the hair in the presence of a cold, dry at funnel containing the chamois be held mosphere. in the end, or is otherwise out of contact with or insulated from the tank

Arrangements have been tions in reference to automoumns each week. Address all

tional electricity is generated by the funnel to the tank or other conductor. passage of gasoline through a chamois The same phenomenon would occur if or through other non-conducting ma- the nezzle of a non-conductor hose terial. This so-called static charge may used for filling purposes were held out under certain circumstances be suffi- of contact with the tank during the cient to cause a spark, which, accom- filling and afterward allowed to touch panied by certain conditions, may in it. If this spark occurs at a point turn result in igniting gasoline vapor, where the gasoline vapor is mixed with air in certain proportions an ex-

> "The fact that accidents have not ignition can occur, i. e., the mixture

"Atmospheric conditions have much months, especially at points away from the seacoast, a charge of high poten tial may be collected on the body and earth. This same phenomenon may frequently be observed when a comb of hard rubber is passed through the

Keep Metal Parts in Contact. "To prevent the possibility of fire



"Say, Mutt, heard about that new service stunt of Billy's. It's a peach. Had a blow-out the other night, nearly ten miles out. Did not know what to do.

Phoned Billy and he sent a new tire out in his car. Only charged me list price for the tire. Says he will do it for anyone. Some service, eh?"

"You bet it is, Jeff. Me for Billy for my tires, etc., in

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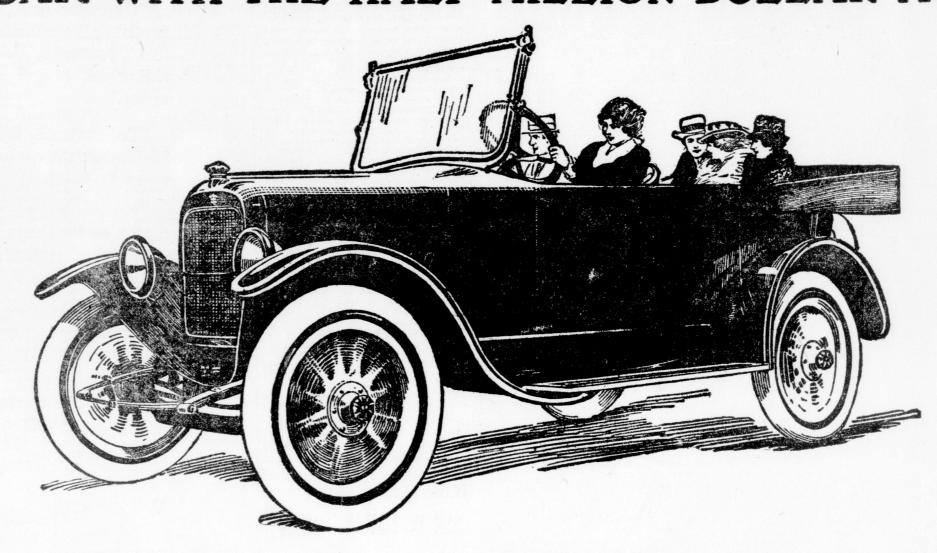
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THE CAR WITH THE HALF MILLION DOLLAR MOTOR



Benjamin Briscoe's Life's Masterpiece Read the Story of "The Half Million Dollar Motor."

At last the car built in Canada for Canadians, for the man of everyday income—the car that removes the last

obstacle in the way of your coming into your heart's desire and owning a motor car that carries with it pride and happiness of possession.

A car that is so beautiful, so strong, so light, so powerful and withal so economical that it brings motoring within reach of thousands who heretofore have not been able to obtain the class of car they wanted at the price they wanted to pay.

Just as Benjamin Briscoe created a new era in motordom when he brought out the Briscoe Four-38 and Eight-38, so too, motor history begins all over again with the coming of the Briscoe Four-24 at \$825, the car with the half millon dollar motor.

The Half Million Dollar Motor is the longest long-stroke motor in the world, 31/8 inch bore to 51/8 inch stroke—that's why the Briscoe Four-24 made 32 miles on a gallon of gasoline. 104 inch Wheel Base-Demountable Rims-Briscoe Line 5 Passenger Touring Body-Briscoe Line 4 Passenger Roadster Body-Exceptional Body-room and Leg-room-Full Elliptic Springs-Floating

Type Rear Axle—Splitdorf Electric Lighting and Starting—Completely Equipped. Five Passenger Touring,—Four Passenger Roadster,—\$825.

It is a car to give you everything you could ask for in the way of style, attractiveness, comfort and equipment, with the minimum cost of upkeep for tires and gasoline.

Look up the Briscoe dealer and see this new Briscoe creation—the Four-24.

Write for copy of "The Half Million Dollar Motor" by Benjamin Briscoe. There are wonderful facts, little pathetic happenings and sunny spots of piquant humor. It's a real story written by a real man with the creative and artistic temperaments combined-probably the greatest ever written about a motor car. Mailed free on request.

Briscoe

4-38 Touring or Roadster

\$975

The Car which was adopted by the Canadian Government for the Light Car Requirements of the Canadian Expeditionary Forces.

The motor is exceptionally smooth, efficient andsturdy—a veritable brute for power.

Completely equipped -not a dollar to spend for extras.

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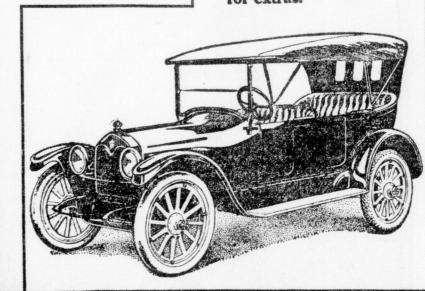
The Briscoe Cars are the greatest combination of light cars that any dealer in Canada can handle. First of all, they are Canadianbuilt cars-built right here in the Briscoe factories in Brockville. Then, consider the price range.

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8-38

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outline, luxury of

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flow of power, the

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that comfort suggests.

The price includes

every accessory.

"If, as we have been credibly informed, the car of the future is to be propelled with "broken-up" water, option on the Enricht patents."

Makkill is also investigating the vitients as one of its most estimable citizents, and which is due to become world-famous if Enricht "makes good." there is little need to worry over the gasoline problem, says Motor West. gasoline problem, says Motor West.

Louis Enricht, an inventor, has solved a chemical which, when mixed with motor produces a compound which with the from the Arabian Nights. A pitchwater, produces a compound which acts er of drinking water was drawn from dispose of his discovery for a perfectly in an internal explosion motor. It is asserted that Henry Ford is willing to buy the Enricht formula in order, presumably to pass it along free of charge to a gasoline-bereft world.

Speed the day!

er of drinking water was drawn from a faucet in the inventor's barn, and enriched with the greenish contents of a small vial, which he took from his pockets. The mixture was poured into the fuel tank of a small car—the tank baying heap previously desired of every the breekens.

the trenches.

Little Fairy Tale.

to get the European combatants out of sion. The testers climbed into the car, and drove it all around the Long Is-Maxim is also investigating the com- land village, which claims the inventor

Sald To Be Simple.

not seem to have been stampeded by the news.

WHAT'S VOGUE IN FADS AND FANCIES FOR FAIR MOTORISTS

willing to buy the Enricht formula in order, presumably to pass it along free of charge to a gasoline-bereft world. Speed the day!

If the chemical be what the inventor claims for it, and if Mr. Ford buys

The ford buys

The sash has to be incommon, he says, that no one could possibly hope to common, he says, that no one could possible sile tha

the secret and hands it to the world, crank and the engine raced fiercely we opine that he will confer a greater benefit than followed upon his attempt to get the European combatants out of the secret and hands it to the world, crank and the engine raced fiercely have been working along the same line an oddly-shaped yoke. The collar and changed when the sweater is turned, for some time; but Enricht has evidently "beaten them to it." He says amber and ivory buttons are used down to be a sign of the same line and oddly-shaped yoke. The collar and changed when the sweater is turned, and true without missing an explosion. The testage when the same line and oddly-shaped yoke. The collar and changed when the sweater is turned, and true without missing an explosion. The testage when the same line and oddly-shaped yoke. The collar and changed when the sweater is turned, and true without missing an explosion. The testage when the same line and oddly-shaped yoke. The collar and changed when the sweater is turned, and true without missing an explosion. dently "beaten them to it." He says amber and ivory buttons are used down tons on each side. The fringe sweat-the principle is right, and if the fuel the front. The other coat is of deep tan er is Scotch plaid, has a high belt proves to be what the inventor claims, bolivia cloth, with a blue lining and he will buy.

Meantime, the gasoline makers do full model, pleated to the form of a rower fringe edges the collar.

> where the gathers are held in place by a half-belt girdle made of four strands are among the late offerings. They are of the cloth, satin lined. The girdle and so arranged as to carry two ordinaryconvertible collar are held in place by sized toques and a rolled soft hat. At large flat bone buttons, that are laced the bottom there is the usual cushion onto the coat with blue silk cords. Reversible silk sweaters are pret-

yoke in the back, and gathered in front,

for hatpins and a pocket for veils

Hat boxes for the running-board