

In The Automobile World

NEWEST NOTES OF SCIENCE

Single trees have been known to produce 3,000 oranges.

India consumes one-sixth of the world's supply of quinine yearly.

Clips for letters or memoranda feature the frame of a new desk clock.

Some of the best gas coal in the world has been discovered in Venezuela.

A safety pocket to hold a watch securely features a new apron for workmen.

Telephone service between England and Switzerland is maintained over two routes.

In a kite frame patented by a Wisconsin man ribs radiate from a central disk of metal.

According to a Paris physician premature baldness is due to some trouble with the teeth.

Enough matches to light all its contents are attached to a recently invented cigarette box.

The winds at Curacao are so steady that three wireless stations depend upon windmills for power.

Dry battery electric lamps are mounted over a new eye shield to give a wearer light where needed.

French postal authorities are experimenting with American automatic and semi-automatic telephones.

So that it can be easily moved, a new milking stool is strapped to its user and has but a single leg.

Coffins of waterproof cardboard, to which the lids are attached with glue, are a European invention.

Made of stiffly crimped material, a ribless umbrella has been invented by a resident of New York state.

Herring, great quantities of which are caught in Japan each year, are used chiefly to fertilize rice fields.

Beneath a new washing machine is a stove so that water can be heated in its tank without additional handling.

A watch enclosed within a pearl a little more than half an inch in diameter has been made by a French jeweler.

A reservoir within a Chicago inventor's massage device permits massage cream to be applied as it is being used.

Deposits of asphalt that are believed to be practically inexhaustible have been discovered in the Philippines.

A porous glass for ventilation is being made in France, the holes being small enough to exclude dust and drafts.

Non-slipping tongs to handle cuspidors by inserting the points in their openings have been patented by a Kansan.

A simple but accurate method for measuring the surface of a human being has been invented by a French scientist.

Experiments are under way at Honolulu with the use of banana trunk fibre in the manufacture of bags for raw sugar.

Although built early in the Christian era without mortar, a stone church in Ireland still is in excellent condition.

One of the new folding drinking cups, made of waterproof fabric, collapses into a tube no larger than a lead pencil.

Electric lights that can be used for signalling are included in policemen's helmets that have been invented in England.

Once it has been started a new phonograph automatically plays twelve records of the cylindrical type, one after another.

A steel for safes that breaks the best bits and defies hydrogen-acetylene blow pipe flames has been perfected in Europe.

Inside the ornamental cover of a new watch fob in a revolving disk bearing numbers to make the affair serve as a calendar.

A Japanese is the inventor of a street sprinkler that distributes water so as to form advertisements on smooth pavements.

A patent has been granted a Detroit woman for a screw hook that holds a plate above it and a cup below it at the same time.

According to the United States bureau of standards cloth measuring

apes should not be relied upon to possess any accuracy better than one part in 500 to 1,000.

Horseshoes filled with rope, which picks up small stones and sand and forms a rough surface, have been invented by a German to help horses on slippery pavements.

The intensity of the tone obtained from a phonograph can be varied by a recently patented needle-mounting

provided with a counterweight to regulate the pressure.

Swiss engineers have convinced Russian officials that it is possible to bore a 16-mile tunnel through the Caucasus mountains and link the Black and Caspian seas.

To save carpenters' time a nail holder has been invented which suspended from a man's shoulders feeds nails down into the right position to

be most easily grasped.

A Polish scientist is the inventor of a motion picture camera which can be carried in the hand and which is operated by compressed air as long as a button is pressed.

The doors of a new street car designed with the safety of passengers in view can not be opened while it is in motion, and the car cannot be started while they are open.

Engineers in Sweden are experimenting with perforating the webs of street car rails to increase their resiliency and increase their life when laid on rigid foundations.

A recently patented eye shade is supported from the nose like eyeglasses and is reinforced by a malleable metal band that permits it to be fitted to heads of all shapes.

By systematic reforestation Java is

constantly increasing its teak forests, which now cover more than 1,480,000 acres, despite the great amount of timber cut every year.

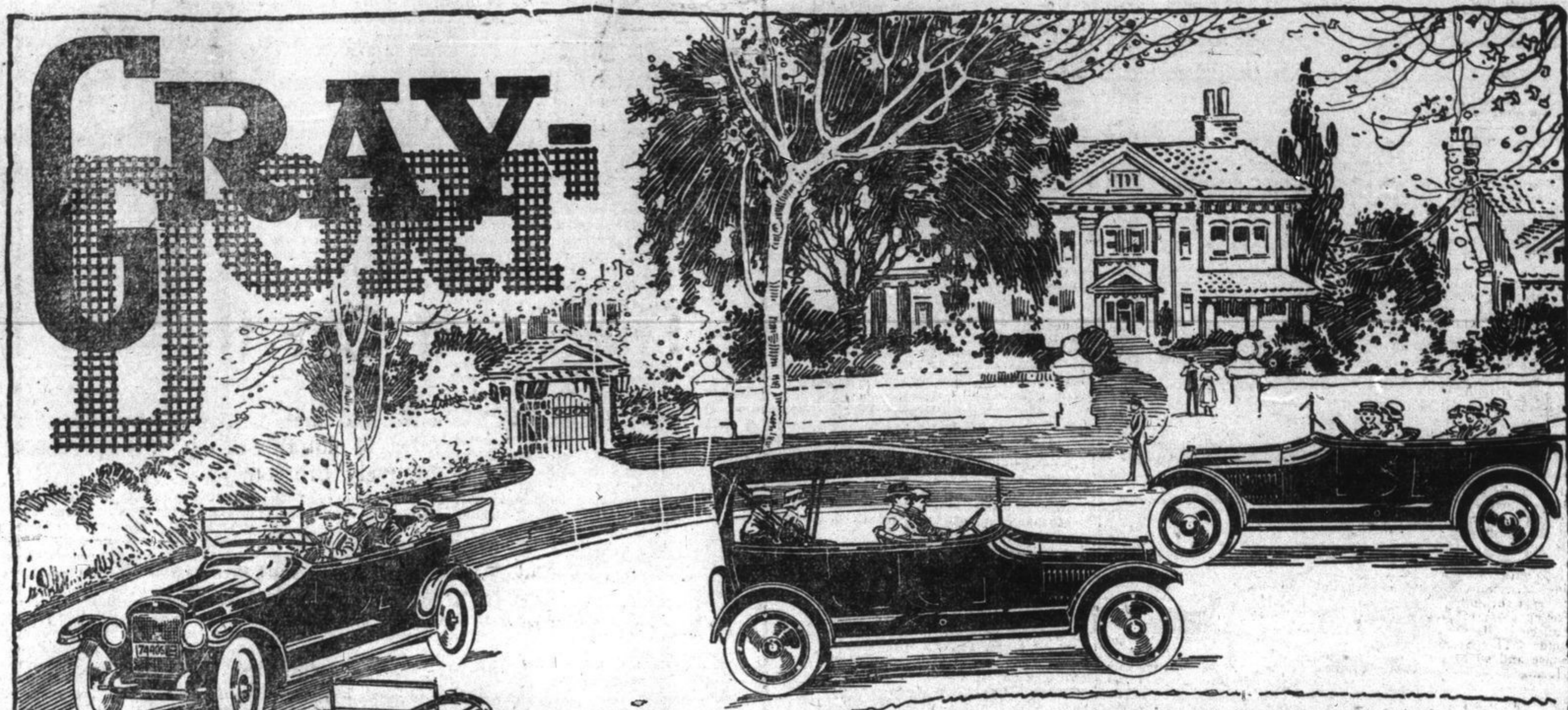
Among the new locks to prevent theft of automobiles is one that secures the steering wheel after it has been turned slightly, enabling a car to be moved only in a circle.

Mechanism consisting of a series of jointed strips of metal has been in-

vented in Germany for raising or lowering several ventilators at once by manipulating a single lever.

Some Japanese spiders make webs so strong it requires a knife to cut them.

Water valves twelve feet in diameter and so constructed that they will close automatically in event of a break in the pipe line have been built for a hydro-electric plant in Utah.



After 60 and 30 Years

Wm. Gray Sons Company, Chatham, 1855
 Gray-Dort Motors, Limited, Chatham, 1915
 Durant-Dort Carriage Company, Flint, 1885
 Dort Motor Car Company, Flint, 1915

The Quality Goes Clear Through



AGENTS:

- W. P. Peters - - - Kingston
- W. S. Fenwick & Sons, Enterprise
- Howard Brash - - - Gananoque
- G. A. Hartman - - - Napanee
- Overton Ball - - - Bath
- Woodman & Cramer, Wolfe Island
- J. E. Sullivan - - - Elgin
- Ramsey & Winters - Newburgh

Dealers in Every Locality

SIXTY years successfully building good vehicles should be a broad preparation for the motor car field.

Especially when those vehicles have been so well known that their name is a household word in practically every home in Canada.

Gray has been building good vehicles since 1855.

Thirty years building vehicles should teach something of transportation equipment — when those thirty years have been years of continued growth and success.

Dort has been successfully building vehicles since 1885.

Place one of these institutions in Chatham, Ontario, with a man at its head who builded successfully because he builded well—at reasonable prices. Give him a keen interest in the motor car industry plus the patience to wait till he knew he could make a good car at a nominal price. There you have Robert Gray and the Wm. Gray Sons Company.

Duplicate this situation in Flint, Michigan, with J. D. Dort and the Durant-Dort Carriage Company.

Then bring these two men and these two institutions together. Unite them in a common effort to build a motor car success.

It is not surprising that the entire output of 1916 Gray-Dorts was sold in three days.

It was a foregone conclusion that such institutions would build a car that would win unstinted praise from owners.

Praise freely given to the extent of over-selling a doubled output for 1917.

Praise that may over-sell the again doubled output for 1918.

The Car Itself

MOTOR—Gray-Dort, 4 cylinder, cast en bloc, L-head type bore 3 1/4 inches, stroke 3 inches, speed 2000 revolutions per minute, horse-power 28. Cast iron removable heads. Carter carburetor. Thermo-siphon cooling. Westinghouse two unit starting and lighting system. Connecticut battery ignition. Three speed and reverse selective transmission, with double row New Departure bearings. Gasoline tank under cowl. I beam heavy duty front axle. 3/4 floating rear axle, with forked tube torsion and Hyatt High Duty bearings. 10 inch internal expanding and external contracting brakes. Springs—front 37 inch elliptic, rear 50 inches full cantilever. Left-hand drive. 16 inch reversible worm and nut type steering wheel. Centre gear shift lever. Emergency brake, right pedal. Service brake, clutch pedal. Accelerator. Detroit demountable rims. 30x3 1/2 Dominion tires. Nobby tread rear. Westinghouse electric lighting. Linoleum covered running board. Lock ignition switch. Dashlight, ammeter, roborail, footrail, clear-vision windshield, one-man top, tools, equipment complete.

Prices—Touring Car, \$945; Roadster \$945, f.o.b. Chatham. Prices subject to change without notice.

GRAY-DORT MOTORS LTD.

CHATHAM :: ONTARIO

In the United States: DORT MOTOR CAR CO., Flint, Mich.

Stop!



IS YOUR CAR INSURED?

We have a very up-to-date policy which we would like to explain to you—it covers all hazards a car is insured against. Call, write or phone at our expense.

J.K. Carroll Agency

Real Estate and Insurance, Phone 68, 56 Brock St.