

In The Automobile World

NEWEST NOTES OF SCIENCE

In the base of a new shaving mug is a lamp to heat the water.

Death by prevention of sleep is a legal form of punishment in China. Boiling tomato parings in aluminum utensils will brighten the latter.

Artificial wood for matches is being made from straw by an inventive Frenchman.

A new machine for sealing letters and attaching stamps has a speed of 6,000 an hour.

According to recent official estimates there are about 80,000 sheep in Argentina.

A new vacuum cleaner is specially designed to remove dust from books on library shelves.

A parachute invented by a Frenchman can be guided by pulling cords that draw in its sides.

A new burglarproof lock resembles a hinge and the bolts drop perpendicularly into sockets.

Paper clubs for policemen, practically indestructible, have been invented by an Englishman.

To help in picking fruit a Californian has patented a thimble with a knife blade at the end.

Motion pictures are being used to teach improved methods of agriculture to natives of India.

Seeds of rubber trees have been found to yield an oil similar in its usefulness to linseed oil.

Men drilling an artesian well in Argentina found rich deposits of copper at a depth of 100 feet.

For twisting wire together a New York inventor has patented an attachment for an ordinary brace.

For tourists' convenience an English firm is compressing tea into blocks that resemble plug tobacco.

The dial of a new bathroom scale faces upward so that a person standing on it can read his own weight.

Natives of Peru use a boat made entirely of reeds and straw, even the sail consisting of straw matting.

A clock has been invented that records at a central point the time each machine in a factory is running.

Experiments are under way in China with American cotton seed with a view to improving the native cotton.

In the interest of cleanliness there has been invented a bottomless milk bottle, having paper caps at each end.

What is believed to be the oldest inhabited residence in the world is a mansion in Germany that was built in 700.

An inventor has patented a motor driven machine for splitting apart cakes of ice that freeze together when stored.

As much timber in New Zealand has been found suitable for wood pulp, the government will foster the industry there.

A new watch to be fastened to an automobile steering wheel is encased in rubber to make it vibration, shock and dustproof.

Swedish chemists have developed a method for removing carbon from

coal tar, leaving a clear, transparent, golden brown liquid.

To prevent their ashes falling an inventor has patented a tubular receptacle that slides along a pin to be thrust into cigars.

English experts are carrying on extensive tests of the value of coal gas for annealing, tempering, hardening and melting metals.

The Russian Government has authorized the cultivation of the poppy for the production of opium and oil for domestic consumption.

Propellers made of pressed steel, lacquered to give them perfectly smooth surfaces, are the last word in aeroplane construction.

Norway has been found to possess extensive deposits of titanium iron ore and a \$1,000,000 company has been formed to exploit them.

Sheet metal splints, adjustable to various sizes, have been patented by a Virginia surgeon for temporarily dressing broken limbs.

An Ecuadorian naval officer has invented an automatic alarm to notify the master of a vessel of any deviation from its set course.

In the first three months this year the United States consumed 83,652,997 pounds of cotton fiber in the manufacture of explosives.

An observatory in Berlin claims to be the world's most accurate clock, which is kept in an air tight glass cylinder in a basement.

Clampless roller skates have been invented, being held against the feet by cords terminating in handles to be held in a wearer's hands.

A telescope with two parallel barrels to enable two persons to see the same object at the same time has been built by a Swiss optician.

One of the newer shopping bags for women is made of waterproof material and contains a pocket in which a folding umbrella can be carried.

The Government of Chili has taken steps to encourage the domestic raising of chinchillas, heretofore only a wild animal in that country.

A bubbling drinking fountain that can be attached to a kitchen sink faucet without interfering with its regular duties has been invented.

Geologists who have explored Finland and Canada have found large deposits of the highest grade iron ore, equal or superior to the best Swedish.

To prevent hair falling down a man's neck when a barber cuts it an inventor has patented an adjustable comb that fits a neck of any size closely.

Huge piles of refuse around iron and coal mines in Scotland, regarded for years as worthless, are being utilized for the manufacture of bricks.

Driven by a two horsepower motor, a portable machine has been invented that can load 500 pound barrels into railroad cars at a rate of 180 an hour.

Apparatus has been invented by two French doctors to massage the lenses of the eyes with a view to improving or entirely remedying nearsightedness.

An Illinois inventor's rat trap is made in the form of a dog, is set by turning the trap down and catches rodents that enter its mouth to get the bait.

Among the latest sanitary appliances for public eating places is a spoon pressed from paper that can be thrown away after using.

Guatemala's salt industry, which dates back to the era following the Spanish conquest, has grown until it now produces nearly 2,000,000 pounds a year.

The corners of rugs can be prevented from curling up if pieces of corset steel or whalebone be fastened under them, which can be done with adhesive tape.

SMITH FORM-A-TRACTOR

A Big Aid to Modern Farming Methods.

A new entrant into the tractor field, which gives evidence of revolutionized methods in the comparatively new industry, is the Smith Form-a-Tractor. This is an attachment which fits to the Ford machine, converting it from a pleasure car into a piece of farm machinery within a period of fifteen minutes.

By removing the rear wheels of the Ford and placing in their stead the giant wheels of the Form-a-Tractor, the farmer has a power plant which can pull machinery which otherwise entailed the employment of at least four horses.

The Smith Form-a-Tractor merely utilizes the remarkable power and economy of the Ford to do profit-making farm work. It does not injure the Ford in any way. It consists of two 42 in. wheels of 10 in. tread, to which is attached a frame which runs the full length of the Ford; and connects with the Ford front axle, an arrangement which reinforces and strengthens the Ford frame, while eliminating any possibility of injuring the car.

Other features of the attachment are the peculiar type of radiators, many times as efficient as the Ford radiators, and a patented force-feed oiling system.

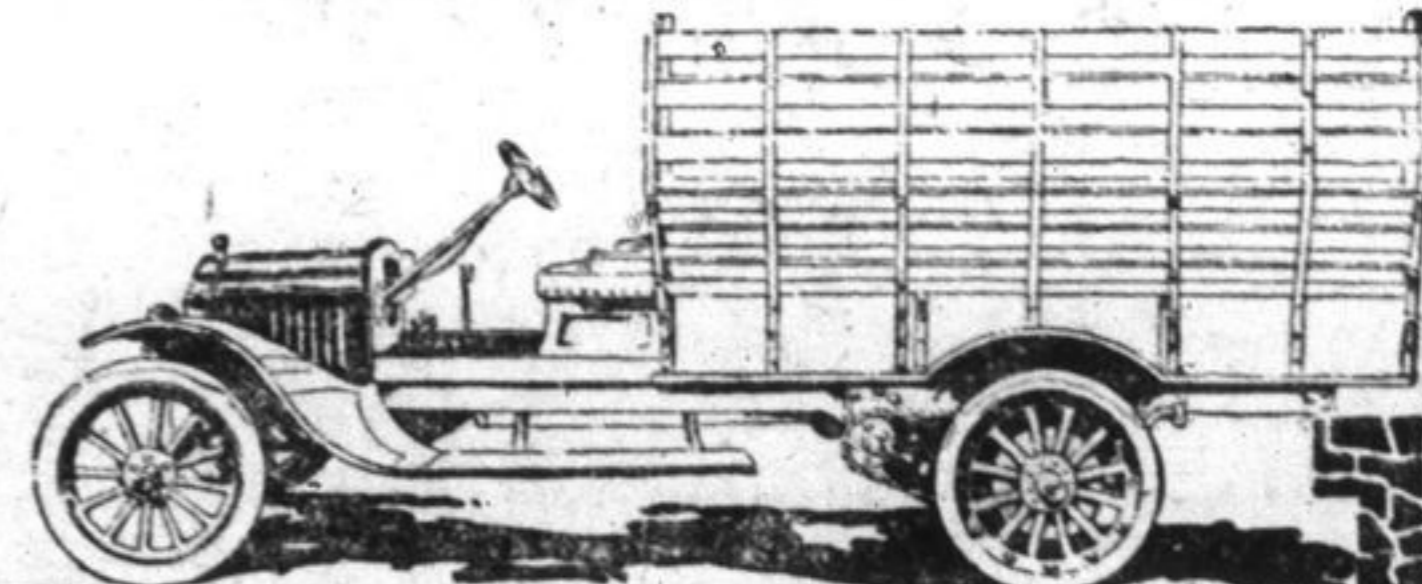
Fifteen minutes will convert your Ford into a tractor, or your tractor into a Ford, after you have installed the radiator and the oiling system.

Simply back the Ford over the Smith Form-a-Tractor frame—jack up the Ford rear axle—remove the wheels—replace them with Smith Form-a-Tractor roller driving pinions—fasten the Smith Form-a-Tractor axle back of the Ford axle and clamp the front end of the Smith Form-a-Tractor frame to the Ford front axle. To change back to touring car, unclamp the Smith Form-a-Tractor axle frame—roll the Smith Form-a-Tractor axle and wheels back, take off the driving pinions and replace the Ford wheels.

Just as Smith Form-a-Tractor has revolutionized hauling, Smith Form-a-Tractor hds. fair to revolutionize all farm work—do it better, faster, and at a much lower cost. Combined with Smith Form-a-Tractor for farm hauling, it makes expensive horses entirely unnecessary.

Rained health is often the result of the cancelled mortgage.

Smith Form-a-Truck \$450 F.O.B. TORONTO.



Do All Your Hauling With One Smith Form-a-Truck

SMITH Form-a-Truck will keep your horses on the farm doing real farm work.

And it will do even more than this for you. In one piece of equipment it will give you every type of farm body, if you use the famous Eight-in-One Convertible Body furnished at slight additional cost.

You don't have to maintain extra wagons. One Smith Form-a-Truck with this body does it all. Keep your boy on the farm by using Smith Form-a-Truck with the Eight-in-One Convertible Body. He knows how to drive a Ford, and enjoys it.

With this Eight-in-One body he can do all of your farm hauling for you—let you spend your time on the work that brings bigger crops—better stock.

Or if you drive yourself, you won't have to start away before sunrise and get back at dark.

Get up at the usual time—do your your chores—start away an hour or two later than you ordinarily would. Have an hour or two more time to spend in town doing the errands you want to do, and get back from two to three hours earlier.

That's what thousands of farmers are doing with Smith Form-a-Truck. It is what you can do and what you will do if you want to get real efficiency and save real money.

Use Any One of Six Chassis

Using any one of six chassis, Smith Form-a-Truck combines with any Ford, Maxwell, Dodge Bros, Buick, Chevrolet or Overland chassis to make a fully guaranteed one ton truck. It gives you real truck construction that will stand up under the hardest hauling you could ever do.

When You Are in Town, Drop In

When you are in town drop in and see Smith Form-a-Truck. It will pay you well.

W. F. KELLY OIL CO.

Cor. Brock and Ontario Streets. Phone 486

It should be a rule with everyone who drives to use the brakes sparingly and never to drive his car rapidly enough so that he will be compelled to make a sudden stop.

Carbon can be removed to a great extent by inserting in each cylinder white wax, about two ounces of kerosene oil and allow to remain for several hours.

LANSDOWNE NEWS AFTER

Motor Boat Burned After Family Landed on Island.

Lansdowne, June 20.—Samuel McCracken arrived on Tuesday at Mr. Stringer's and on Saturday returned to his home in Hamilton, accompanied by Mrs. McCracken and boys, who have been visiting here. Mr. and Mrs. Charles Earl and Mr. and Mrs. Frank Earl motored to Fairfield Sunday last, Wesley McCullough, T. A. Bradley W. H. Rattie and William Bradley motored to Lake Elvida on Friday to attend the annual meeting of the Ayrshire Club. Nelson Bowen was in the village on Friday. Miss Edwards, Gananogue, is presiding at the lower school examinations.

Miss Myria Mulvaugh returned last Friday from a visit to western provinces, accompanied by her cousin, Alice Landon, daughter of Mr. and Mrs. Nelson Landon, of Enderby, B. C.

The annual decoration day at the Union cemetery takes place on Friday, June 26th. Rev. Dr. Cooper is to conduct the service.

The funeral of the late Mrs. John Cross of Hahstead's Bay took place Tuesday afternoon. Quite a number from here were in attendance.

Mr. and Mrs. William McConnell and Mrs. Fred. McConnell motored to Toledo on Sunday. Miss Ruby Bowen, Brockville, is visiting friends in this vicinity. Mrs. Wm. Burns, who has been quite ill, is getting better.

Allen Burtch and family, while out in his motor boat near Fiddler's Elbow, had trouble with the engine "back firing." They went ashore at Wood Island as flames broke out which they were unable to extinguish and the boat, which was an expensive one, was burned and sank. The family escaped without injury.

John Serson has returned to town after spending the winter and spring in Gananogue. Mrs. Eliza Leacock, Brockville, was a recent visitor here.

David Dempster, reeve, and B. Cook deputy reeve, motored to Brockville on Tuesday to attend the County Council sessions. Mrs. E. E. Johnston is giving a miscellaneous shower for Miss Mabel Johnston on Thursday afternoon. Mrs. George Cavanagh and son, B.C., are visiting Mrs. H. C. Mulvaugh. Mr. and Mrs. Brown, Toronto, are visiting at Mrs. D. G. Copeland's.

The district Sunday school convention is to be held in the Methodist church on June 25th. Miss Helen Beckstedt has passed with honors the primary examinations of the London Conservatory of Music. Roy Copeland left Tuesday to take a position in W. E. Austin's drug store, Kingston.

The Military Hospitals Commission reports 7,178 members of the Canadian expeditionary force under its care on June 15, and the director of medical services in London reports 22,542 members of the C.E.F. in hospitals in the United Kingdom on May 25.

At the regular meeting of St. Lawrence district, No. 50 I.O.O.F. at Lyn, Wednesday, W. H. Nute, Brockville, was elected district deputy grand master for the ensuing year.

At a meeting of the Quarterly Board of the Methodist church, Athens, Walter C. Smith was appointed recording steward in place of Wilson Whitte, resigned.

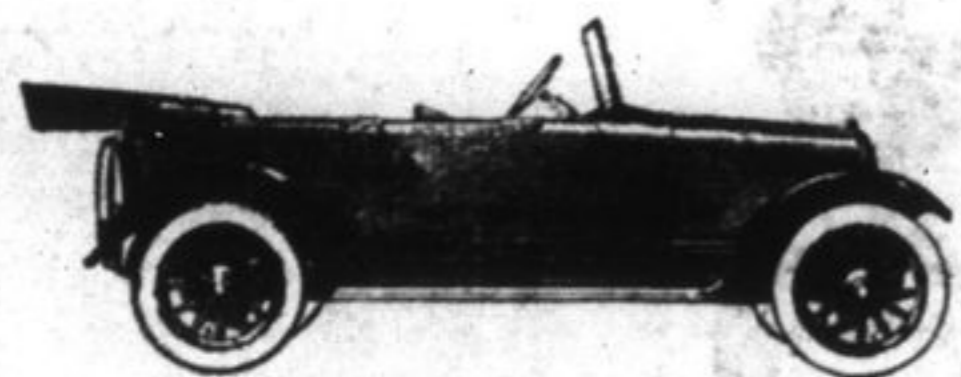
Get it from your dealer or from us.

Every reader of this paper may secure \$5.00 DURIAN DUPLEX DOMINORAZOR FOR \$1.50

During the life of this advertisement DURIAN DUPLEX RAZOR CO. Ltd., 43 Victoria St., TORONTO, ONT., CANADA.



Fours



Simplified Driving

THIS MODEL is a great family car because it is so easy to handle. All electric controls are on the steering column—within natural reach. The wheel is large and easy to steer with. The shifting lever and emergency brake can be reached without changing your driving position.

So it is just as easy for your wife or daughter to drive this Overland Eighty-Five Four as it is for you. And as you know, that cannot be said of all cars.

Step in today for a demonstration.

\$1250

Overland Model Eighty-Five Four

35 horsepower 112-inch wheelbase Cantilever rear springs Vacuum gasoline system

4-inch tires Brewster green body Auto-Lite starting and lighting system

Other Overland Fours

Model 85-Four Roadster, \$1230 Light Four Touring, \$975 Country Club Sport Model, \$1110 Light Four Roadster, \$950

All prices f. o. b. point of shipment Subject to change without notice

Overland Sales Rooms: ARTHUR W. H. CALLAGHAN, Dist., 210-214 Wellington Street. Phone 1410.



When You Market Consider Your Less Fortunate Neighbor.

"Every citizen who uses more in his household than his household actually needs is increasing the cost of living for those less fortunate, and he is hindering the prosecution of the war."

Sir Thomas White, Minister of Finance.

THE well-to-do woman who sits at her phone and orders provisions lavishly, regardless of price, is abusing the power of money as a bully abuses brute strength!

No longer can we help ourselves as we see fit from an unlimited food supply—we are either limiting our buying to our own real needs or "hogging" someone else's share.

Extravagant buying by those who can afford it, with waste in some kitchens, and excess at some tables, will inevitably bring still greater hardships to those who cannot afford the prices, and hunger to those who must live on less.

Buy for your household as carefully and economically as your husband buys for his factory, store or office. Study food values as well as prices—make it a point to know just what you are getting—eliminate waste—and you'll find that you can feed your family well on far less than you spend now.

Invest the saving in Canadian War Savings Certificates and you will be doubling your service to the nation.

War Savings Certificates are issued in denominations of \$25, \$50 and \$100, to be repaid in three years at full face value. They cost \$21.50, \$43 and \$86 respectively, at all Money Order Post Offices and Banks, thus yielding over 5% interest.

The National Service Board of Canada,

OTTAWA.

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Richard Loyne, born and bred up in Cape Vincent, N.Y., where he resided until he was thirty-five years of age, died on May 30th at Long Beach, California, following a severe

operation which he underwent a few months previous. Mr. Loyne was fifty-four years old.

The new verandas and sleeping porch on Joseph Thompson's cottage

at Charleston Lake are being completed. The improving of property at the lake is a good sign. Every year sees addition to cottages and new ones going up.