

**WHY**  
**Falling Liquid Breaks Into Spherical Drops**

When a liquid flows out of a vessel through a circular opening in the bottom of the vessel, the form of the stream is at first nearly cylindrical though its diameter gradually diminishes from the orifice downward on account of the increasing velocity of the liquid. But the liquid after it leaves the vessel is subject to no forces except gravity, the pressure of the air and its own surface tension. Of these, gravity has no effect on the form of the stream except in the direction, because the lower parts are moving faster than the upper parts. The resistance of the air produces little disturbance until the velocity becomes very great. But the surface tension, acting on a cylindrical column of liquid whose length exceeds the limit of stability, begins to produce elongations and contractions in the stream as soon as the liquid has left the orifice, and these inequalities in the figure of the column go on increasing till it is broken up into elongated fragments. These fragments, as they are falling through the air, continue to be acted on by surface tension. They therefore shorten themselves, and, after a series of oscillations in which they become alternately elongated and flattened, settle down into the form of spherical drops.

**Of Course**

In a plea for more careful use of English, Professor Jordan said: "A great many American expressions are directly contrary to what we really mean, and the real reason why the English are sometimes so perplexed when an American tries to say something. The story of how we say 'lookout' when we mean 'look in,' is a sample. 'The other day, on the beach, I heard a young girl ask: 'If I were drowning, would you help me?' 'No,' said the young man, evidently an Englishman, 'I endeavor to prevent you.'"

**Famous Educator**

William Holmes McGuffey was an American educator, born in Washington county, Pa., in 1800; graduated at Washington college, Pa., in 1823. He was a professor of ancient languages and later of moral philosophy in Miami university in 1830-31; president of the Ohio university in 1833-43; professor of moral philosophy in the University of Virginia from 1845 until his death in 1873. He compiled the so-called "Eclectic Series" and other school books.

**No Atmosphere on Moon**

The absence of atmosphere on the moon is proved by the fact that at the time of an eclipse of the sun the moon's limb is perfectly dark and sharp, with no apparent distortion of the sun due to refraction. Similarly, when a star is occulted by the moon, it disappears suddenly and not somewhat gradually as it would if its light were being more and more extinguished by an atmosphere. There are other indications which lead to the same conclusions.

**Bodily Strength Not of Importance Today**

The body of man is not what it used to be. The big-boned, muscular, prognathic, hairy, stupid ape man has given way to the smooth-skinned, bald, slightly corpulent, spindly legged and thin-armed mental dynamo.

For the sharp-nosed, keen-eared savage with quick vision, sensitive touch, and rapid response, substitute the alert braced, heavily bespectacled, false-toothed director behind a desk. From his sanctum lead the tentacles of electric transmission and intensification of voice bidding to action. For weakened vision modern man prescribes telescopes, periscopes and microscopes as well as optical lenses. For the ears there are radio tubes. For the sense of touch are provided callipers and other instruments of measurement more fine than the fingers of Jimmy Valentine.

And though the sense of smell is not aided mechanically, it smells themselves are intensified to the point where they are obnoxious and overpowering. One wonders, indeed, how men tolerate now the oily, irritating, suffocating vapors resulting from the combinations of thousands of motor car exhausts and the evaporation of the covering of oiled roads.

Muscles—except those of the heart and internal organs—are a well-nigh unnecessary attribute for modern man; the power of the machines makes brute strength merely a matter for exhibition and dramatic show. Morris Fishbein in the Yale Review.

**Family Keeps Sword of Patriot Ancestor**

The great two-handed sword with which Robert the Bruce fought at Bannockburn has been handed down from generation to generation of the Bruce family who possessed Clackmannan tower. The last survivor of this branch was Mrs. Catherine Bruce, a lady of remarkable character and strong Jacobite convictions, who was convinced that her possession of the royal sword of Scotland gave her the prerogative of conferring the honor of knighthood. She thus honored many visitors to Clackmannan tower, among them Robbie Burns, who visited her when she was a nonagenarian. As Burns rose to his feet he gallantly kissed the old lady's hand. "What ails thee at my lips, Robbie?" the ancient dame is said to have asked.

**Just Her Way**

All in one evening, while dancing with me, she said: "The hall is so hot, I'm cooked." "I'm crazy about dancing." "I was petrified when I saw him." "That light is so glaring it makes me blind." "Can't you shut the window? I'm frozen stiff." "You make me sick." "I nearly had a fit when he told me about that joke." "The last partner I had drives me insane." "I simply died laughing." "I was perfectly dumb." "I'm so tired, I'm just dead." Then when I looked at her she seemed as alive and healthy as ever.

**Volcano's Temperature**  
In the volcano of Kilauaea the temperature at the surface of the lava is in the neighborhood of 1000 degrees Centigrade. Basalt, which is the molten rock in Kilauaea and many other volcanoes, may melt at either higher or lower temperatures, depending on their composition. Thus the melting point of sandstone would be very high, probably in the neighborhood of 1300 to 1700 degrees Centigrade, depending on their purity.

**Not Mixed Curses**

Though the clouds of crossborders in the Tientsin-Peking section of China have added to the shortage of certain foods by devastating fields and devouring crops, they have themselves supplied many tables. The natives, rich and poor alike, esteem them a great delicacy.—Living Age.

**Timely Advice**

Missionary (to cannibal)—I warn you in regard to eating my brother he will give you indigestion. He never agrees with anybody.

**GIRLIGAGVO**



"It isn't any wonder Solomon was a wise guy," says Reno Ritzl. "Just look how much a man learns from one wife."

**Gypsy Philosophy**

There is no more dangerous sickness than sadness.—American Magazine.

**NOTICE**  
I offer my services in taking notes and clerking sales of Personal Property. J. Waters Russell, Chestertown, Md. m16-3t

**NOTICE**  
Notice to anyone wishes to ship anything to Wilmington, Chester or other points between here and there or beyond, I can give you reasonable rates going up. S. A. Starr, Chestertown, Md., Phone 812F4. m4

**JOS. N. WHEATLEY & CO**  
**INSURANCE**  
**CHESTERTOWN, MD.**

**H. C. HUGHES**  
**DENTIST**  
**CHESTERTOWN, MD.**

**NOTICE**

All persons having bills against Kent County must present them properly vouched for before June 4th or they will be paid by certificate without interest, due January 31st, 1931. The law is positive that no interest may be paid. By order of the Commissioners.  
All bills must be presented by June 4, 1929.  
J. R. SIMPERS, Clerk.

**FCP SALE**

One Registered Holstein Bull, ready for service; one Registered Holstein Bull Calf and two Grade Heifers, 14 and 15 months old. T. B. Fested, John Carvel Sutton, Kentonville, Md. Phone Still Pond 84F21. a27-3t

**IT PAYS TO ADVERTISE IN THE KENT NEWS**

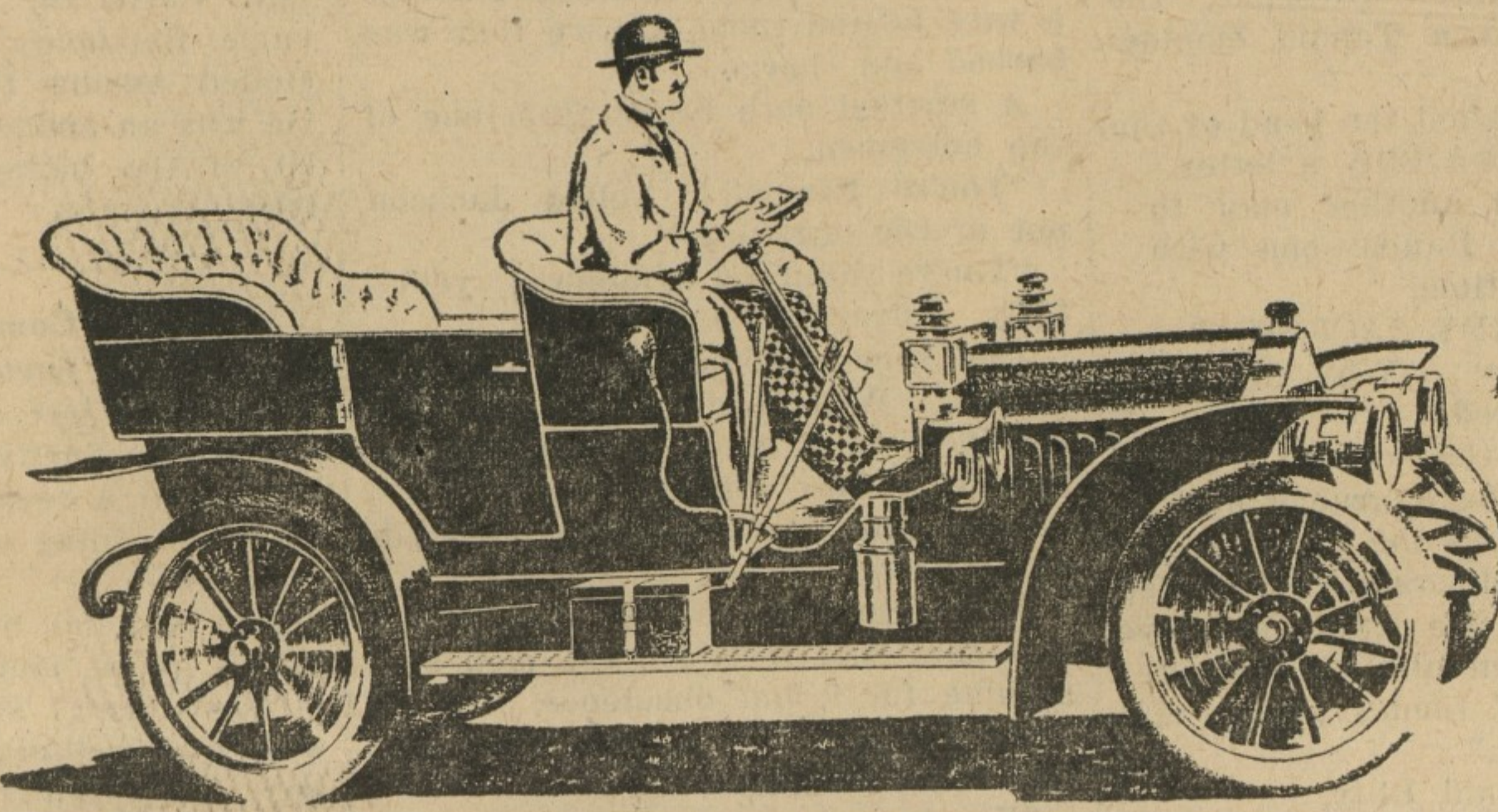
**DR. JULIAN T. POWER**  
**OPTOMETRIST**  
**CHESTERTOWN, MD.**



Office at Chestertown every Monday, Wednesday and Saturday 9 a. m. to 5 p. m.

**NOTICE TO CREDITORS**

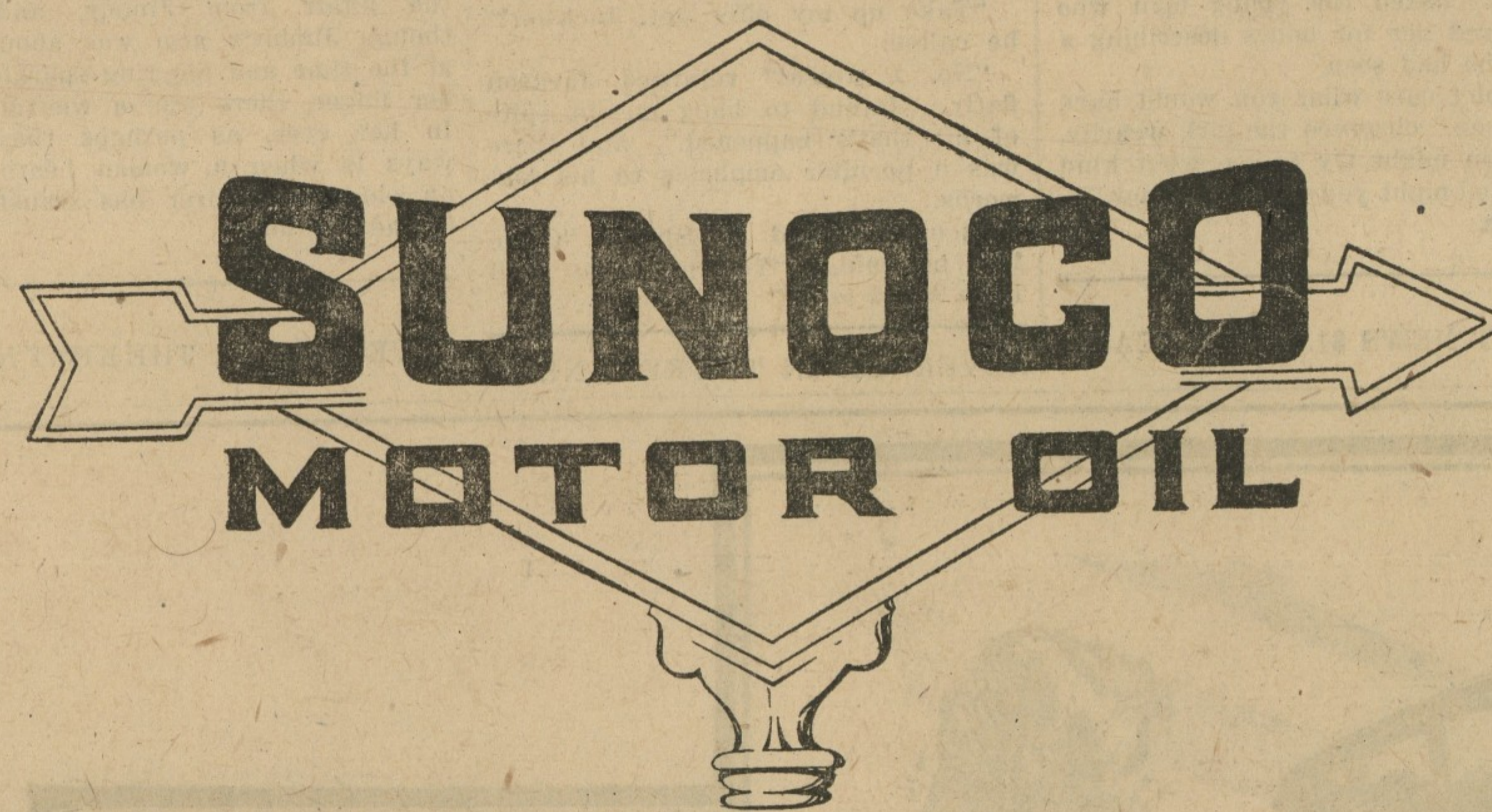
Notice is hereby given that the undersigned has obtained from the Orphans' Court for Kent County letters of Administration on the personal estate of JULIA A. LOUD, late of said county, deceased.  
All persons having claims against said deceased's estate are hereby warned to exhibit the same, with the proper vouchers therefor, to the undersigned on or before the 11th day of November, 1929, otherwise they may be excluded from all benefit of said deceased's estate.  
All persons indebted to this estate must settle at once.  
Given under my hand this 7th day of May, 1929.  
ALFRED C. LOUD, Administrator. m11-4t



VINTAGE of 1909

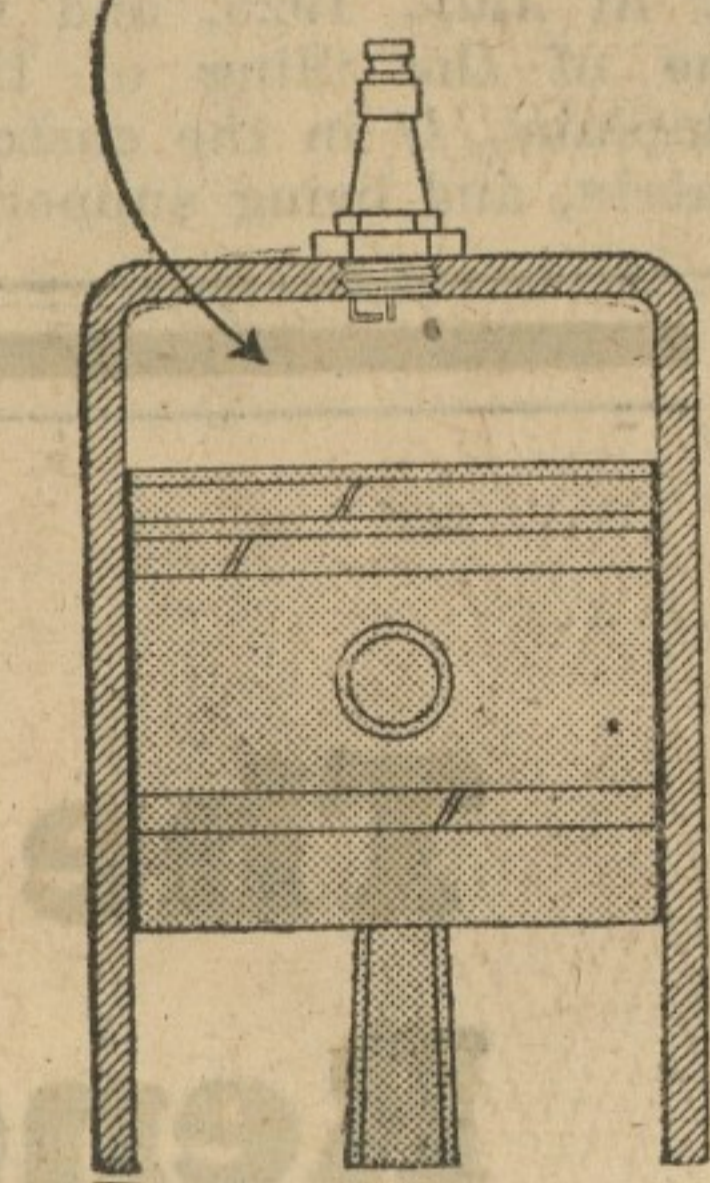
You wouldn't drive this old-fashioned car

**Why use old-fashioned OILS?**

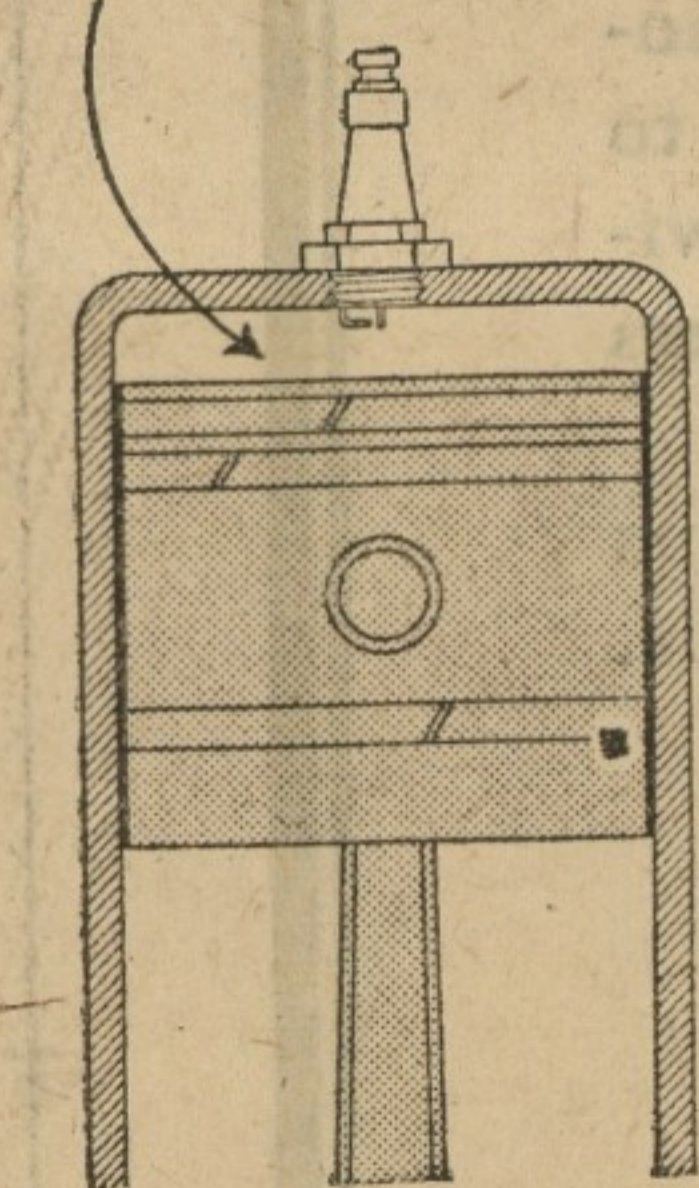


**Keeps Out Hard Carbon Increases Power . . . Minimizes Knocking**

Compression Chamber Top of Stroke OLD TYPE MOTOR



Compression Chamber Top of Stroke TODAY'S MOTOR



All automobile motors made today are of the high compression type. The explosion chamber is smaller than in the motors of a few years ago. The result is that the gasoline vapor is compressed much more. Therefore, the force of the explosion is greater when the gas is ignited.

At the top left is shown the explosion chamber of a low compression motor. Below it is shown the explosion chamber of the motor of today. It is obvious if the

same thickness of carbon is deposited on the piston head of each motor, the area of the high compression motor is reduced much more than in the old style motor. This tends to cause knocking in modern type motors.

Therefore, hard carbon today is more troublesome than ever before. When SUNOCO Oil is used, the soft, fluffy carbon is driven out the exhaust. There is no hard carbon on the top of the piston or on the cylinder head.

**BURNING TEST proves**

**SUNOCO, the 100% DISTILLED OIL, LEAVES NO HARD CARBON**

When compounded paraffine oils containing cylinder stock were subjected in our laboratory tests to high heat, the light oil burned off and the sticky cylinder stock remained. In an automobile engine this sticky deposit collects gasoline soot and dust brought in through the breather pipe. Then it is baked into hard carbon.



SUNOCO Motor Oil, when subjected to high heat, does not leave a sticky residue, because it contains no "cylinder stock." It is not a mixture of a light oil and "cylinder stock." That's why it does not separate; cannot form a sticky deposit on the pistons or cylinder head; and will not form hard carbon.

**It costs very little to recondition a MODEL T FORD**

THE Ford Motor Company is making a new car, but it is still proud of the Model T. It wants every owner of one of these cars to run it as long as possible at a minimum of trouble and expense.

Because of this policy and because of the investment that millions of motorists have in Model T cars, the Ford Motor Company will continue to supply parts as long as they are needed by Ford owners.

So that you may get the greatest use from your Model T, we suggest that you take it to the nearest Ford dealer and have him estimate on the cost of any replacement parts that may be necessary.

You will find this the economical thing to do because a small expenditure now will help to prevent costlier repairs later on, increase the value of the car, and give you thousands of miles of additional service.

For a labor charge of only \$2.60 you can have your generator put in first-class condition. A new universal joint will be installed for a labor cost of \$3. Overhauling the carburetor costs \$1.50; steering gear, \$3.50; radiator, \$7.50. A complete overhauling of the rear axle assembly runs between \$5.75 and \$7 for labor. An average price of \$22.50 covers the overhauling of the motor and transmission.

These prices are for labor only because the need and number of new parts depend on the condition of each car. The cost of these parts is low, however, because of the Ford policy of manufacturing and selling at a small margin of profit.

**FORD MOTOR COMPANY**



Proper Greasing is as vital to the life of a car as the proper motor oil. SUNOCO Greases are 100% lubricants

**WHOLLY DISTILLED . . . HEAVIER BODIED . . . NO PREMIUM PRICE**