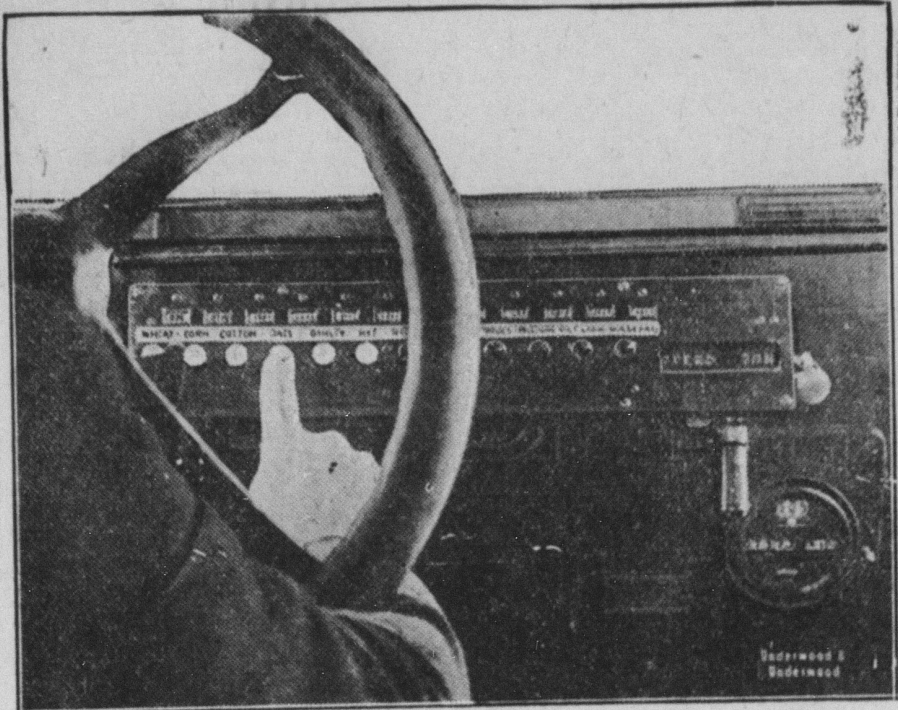


**MAKING AN ESTIMATE OF CROP ACREAGE**



"Crommeters," machines designed to help the Department of Agriculture crop reporting service make prompt and accurate estimates of the acreage devoted to different crops, are now being used by the department in various sections of the country. The "crommeters" are installed in automobiles in the same manner as a speedometer. In passing wheat, for instance, the operator presses the "wheat" button and the machine clicks off the size of the field. This photograph shows how the "crommeter" is operated from the driver's seat.

**OWNERS CARELESS ABOUT CAR LOOKS**

**Automobiles Not Always Kept Clean as Carriages Were.**

In the days of the horse and carriage every owner was proud of his equipment. He would not think of riding down the street or through the park unless his horse was groomed so that the animal's coat looked like silk and the harness trimming glistened in the sun. His carriage was immaculate.

**Pride in Equipment Lacking.**

Now that the automobile has in a large measure displaced the horse there does not seem to be the same pride in equipment that formerly existed. Perhaps it is because in the hustle and bustle of the world today, people have not time for such things or it may be that they have grown a bit careless. Not all are careless about how their automobile looks for there still remain a number who take the same keen pride in owning an automobile that has been well groomed as they do in their own personal appearance. The vast majority, however, are content so long as the car runs.

Little by little this condition is changing and it will come about more rapidly when the general automobile public are educated to the fact that dust, grime and grease, either on the body or running gear of their machine, is an enemy to efficiency of operation. The present-day automobile gathers from out the air a film composed of oil and dirt which clings to the paint or lacquer finish and cannot be removed except with a cleanser.

Injures the Finish. It is impervious to water itself, though a washing will soften it up and make its removal much easier. In time this scum attacks the finish and eventually will require that the car be sent to the paint shop. On the running gear and chassis it works this scum into the moving parts and dirt being an abrasive it is only a question of time until looseness in steering and spring shackles, as well as brake rods, brings to the owner's attention the fact that his car is wearing out faster than it should.

Like other things regarding the care of an automobile, a system has been devised and patented whereby an automobile can now be thoroughly washed underneath as well as on the body, top and hood while the owner waits. The total operation takes about fifteen minutes.

**Upper Hose Connection Needs Replacing Often**

Motorists who have wondered why it is that the upper water hose connection needs replacing more often than the lower one only have to know their engine a little better in order to understand the reason. Circulation of water is from the pump up through the water jackets to the top of the radiator, or up through the water jackets in the same direction in the case of thermo-siphon cooling, in which a pump is not utilized. This means that the hotter water always is rising and that the water is hottest when it is passing through the top water hose to the radiator.

This heat has a disintegrating effect on the rubber hose connection. The connections at the pump receive cooler water from the radiator and generally last longer.

**Brake Test Devised**

Are your four-wheel brakes adjusted equally? Here is a simple way to tell: Apply the brakes both gently and vigorously about a dozen times, then stop the car and feel each brake band to see whether they seem equally hot. Allowance should be made for greater heat at the rear bands, because in some cars these brakes operate before the front ones come into action. This test may keep the bands on one side of the car from burning out prematurely.

**Scientists Striving to Find New Fuel for Auto**

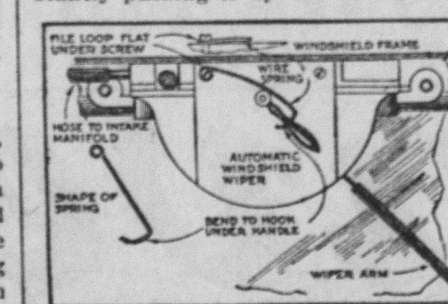
Acting on the oft-repeated statement that the American gasoline supply would be seriously depleted within from 10 to 25 years if consumption continues at the present rate, a series of experiments are being carried on by the Purdue university engineering experiment station regarding the carburetion of heavier fuels. These experiments are being conducted with kerosene and other fuels and the data are being carefully filed for future reference.

Results of the experiments have been published in a bulletin issued by the engineering experiment station. This publication presents data on the carburetion of kerosene and provides additional information concerning the effect of fuel volatility on the carburetion problem. Its purpose also is to show how an engine operating on kerosene reacts to variations in the strength and temperature of the mixture, to point out the optimum temperature for satisfactory performance and to specify the correct mixture ratios for economy and power.

The bulletin has been noted with interest by automotive men generally and also by fuel companies of the country, which are vitally interested in this work.

**Keep Windshield Wiper in Its Proper Place**

The mechanism of your windshield wiper wears in after it has been in use for some months and then you will experience some bother because the jarring of the car will gradually move it down into your line of vision. To save yourself the annoyance of constantly pushing it up out of the way,



The wiper on any of the vacuum types of automobile windshield wipers can be kept out of the way with a piece of spring wire bent as shown.

Add a spring slip as shown in the illustration. Then when you wish to use the wiper on rainy days, the end of the spring is slipped out from underneath the arm and it snaps away from the path of the wiper arm. If your wiper is different from that illustrated, change the shape of the spring to clamp under any convenient screw.—Popular Science Monthly.

**AUTOMOBILE HINTS**

What happier change than for a state that once was all detours to become detourless?

All the world doesn't love the lover who decided to park in the exact middle of a side road.

Most of the folks who drive 70 miles an hour to get some place don't seem to have anything important to do after they get there.

It wouldn't see so hard that the 1927 dollar is worth only 61.7 per cent of the 1914 dollar if it didn't have to buy so much gasoline.

That the pedestrian is always right is said to be the German traffic rule, but nevertheless it will be found occasionally that the German driver is right.

Kansas City dealers have organized a central wrecking company which would junk cars traded in on new automobiles but unsuited for resale. It is their way of solving the used-car problem.

Rank discrimination is where a fellow breaks two legs and a collarbone in a collision or something and finds his name in a newspaper casualty list following that of some one who bruised an instep.

**Have Black Satin Frock for Autumn**

**Several Silhouettes to Select From; Choice May Be to Liking.**

The black satin frock is the outstanding fashion note for fall street frocks.

To be entirely in accord with the mode and to be sure that one is at the height of chic this season, one must have at least one of the new black satin frocks included in the fall wardrobe.

There are several silhouettes to choose from, too, so that one's choice of a black satin frock may be as individual as an elastic mode may permit.

There is the slim and straight-lined frock so dear to the American heart, the flounced and circular silhouette sponsored by the leading couturiers of Paris and the tiered frock which permits fullness of skirt yet retains the straight lines so beloved by those who seek to achieve that "slender look."

The modern geometric influence is noted in one frock, which suggests the circular flounce seen in models arriving from Paris in its blouse, yet retains the straight, slender lines.

Fashioned of both sides of the satin, it achieves the modern geometric effect in its placings of the material.

The short-waisted silhouette, which can be worn smartly by only a very few, is charmingly illustrated in the frock worn by Gertrude Olmsted, the motion picture actress, in "Becky," her



Short-Waisted Silhouette Worn by Motion Picture Actress.

next production. The skirt of this frock is composed of three short tiers cut in front in circular effect and there is a girde of self-material at the natural waistline. An unusual yoke of reversible satin trims the bodice and is finished with four buttons.

A long-waisted beltless frock is another attractive model. Simply fashioned, it has but two plaited flounces on the skirt curved up in front, in keeping with the curved blouse. Deep V neckline and slash pockets on the blouse are trimmed with narrow bandings of the reversible satin.

**Sports Clothes Alone Resist Dame Fashion**

One can state definitely that the Paris couturiers have dealt a knockout blow at the standardization of women's fashions, reports the fashion expert of the Delineator. "Only sports clothes," says the women's monthly, "remain the same. That is because they have reached perfection for the purpose for which they were originally designed. Variety is given by interesting details of workmanship. The use of an infinite number of fancy jerseys and kashatullas. Clever applications and incrustations of two and sometimes three different fabrics. Good color schemes. The introduction of yellow and especially orange is new. Another novelty is the short woolen scarf knotted round the neck to take the place of a fur collar on the sports overcoat. This latter in some cases has a new line for it shows a distinct flare in the new coats from Chanel, Lanvin and Patou. This gives the widened silhouette that used to be seen in men's racing coats. It is used in coats cut off just after the hips as well as in long ones."

**Figured Velvet Fashion**

If you are wondering whether velvet and satin will put to rout the vogue for figured materials—take note of the very new figured velvet. This may be printed chiffon velvet or brocade velvet on a chiffon or georgette background. Dark reds, browns, and light blues are the most frequent colors. It is very supple and is used for whole dresses.

**Emphasis on the Corset**

The type of frock developed for winter has placed increased emphasis on the corset, which is so necessary to permit the effect desired.

**Coat With New Military Collar Worn by Actress**



The high military collar is one of the new features of fall and winter coats. Norma Shearer, the featured motion picture actress, favors an unusual collar of this type by wearing a coat of beige with a striking military collar and frills in her latest starring vehicle, "After Midnight." With this costume Miss Shearer carries a reptile skin bag in green and beige to give an additional striking note.

**Sports Fur Coats Are Chic for Autumn Days**

The fur coat cut on sports lines is more in vogue this season than ever, reports the fashion scout of Vanity Fair Magazine. "The woman of the world," she points out, "knows that no outdoor costume is quite so smart and comfortable as the sports fur coat for chilly autumn days, and at hunt breakfasts, race meets, and so on, her furs make their debut.

"Fur coats cut on sports lines have been popular for several years and each year they grow more important. This season there are four smart silhouettes for such coats. First of all, there is the straight tailored coat. This is the prevailing type and beyond all doubt the most appropriate for every age.

"Second comes the coat that is slightly flared from the shoulders all the way around, to give a diagonal closing. In these coats the collar runs all the way to the hem. Closely related to this type is the youthful coat that is flared all the way around and fastens in a straight line. It often has a scarf-collar that ties in a bow at the neck. It is an attractive fashion, but rather trying, suitable only for very slim figures.

"Fourth comes the box jacket. This is extremely smart when it is part of an ensemble of the same material as the coat lining. But if it is worn with a heterogeneous collection of dresses, it recalls college campuses in just-after-the-war days.

"Sports fur coats have always been light in color—the light gray of kid and kimmer, the gray-beige of antelope, the copper-beige of pony, are familiar tones. A new color note of this season is a golden-beige—almost yellow—in such furs as sheared panther and Swedish ermine, which is ermine dyed a yellow tone.

"As to the furs themselves—in general they are flat-surfaced, both because this is a general trend in furs this season and because flat furs lend themselves well to the tailored lines that are smart for sports. Sheared kid, which is almost as fine and soft as breitschwanz, American broadtail, and the inevitable pony, are outstanding examples of smart, flat furs. Ermine, too, paradoxical as it may seem, has entered the sports mode—a number of very smart, youthful coats are made of summer ermine and Swedisch ermine.

"A notable exception to the rule of flat-surfaced furs is shaggy goat, which is again very popular this autumn. Nutria and beaver, of course, are perennial, and are always in good taste. In the same way, one always sees a certain amount of leopard for informal sports wear."

**Slant Line Supplants Straight, Long Popular**

A note about Paris fashions says that in many gowns the straight line so long popular has given place to the slant. A kasha coat-frock is described with not a straight line in it. The bodice slants, the sleeves cross and fall away in scallops, the skirt has an umbrella line which is broken into sweeping but unequal scallops, and the collar has no particular shape. Many dresses, the same authority says, have draped backs that look like capes cut into strange shapes with lines. Skirts do not fall straightly and simply but dip and rise and swirl about in movement. Paris as usual declares for dark colors during the day and vivid colors are for evening only.

Halloween is almost here. Let's have a party! We'll pop Monarch Teenie Weenie Pop Corn, have Teenie Weenie Peanut Butter sandwiches and a fudge cake made with Monarch Cocoa.

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**ADVICE TO WEAK WOMEN!**

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—Mrs. Stella Estep, Box 142. All dealers. Send 10c to Dr. Pierce, Buffalo, N. Y., for a trial pkg. of any of his medicines in tablet form.

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"We don't do that, madam."  
"I insist that it be done. We've made the initial payment."

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"Was that worth while?"  
"No; I still have the cashier, but the detective absconded with the money."—Fliegende Blaetter, Munich.

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