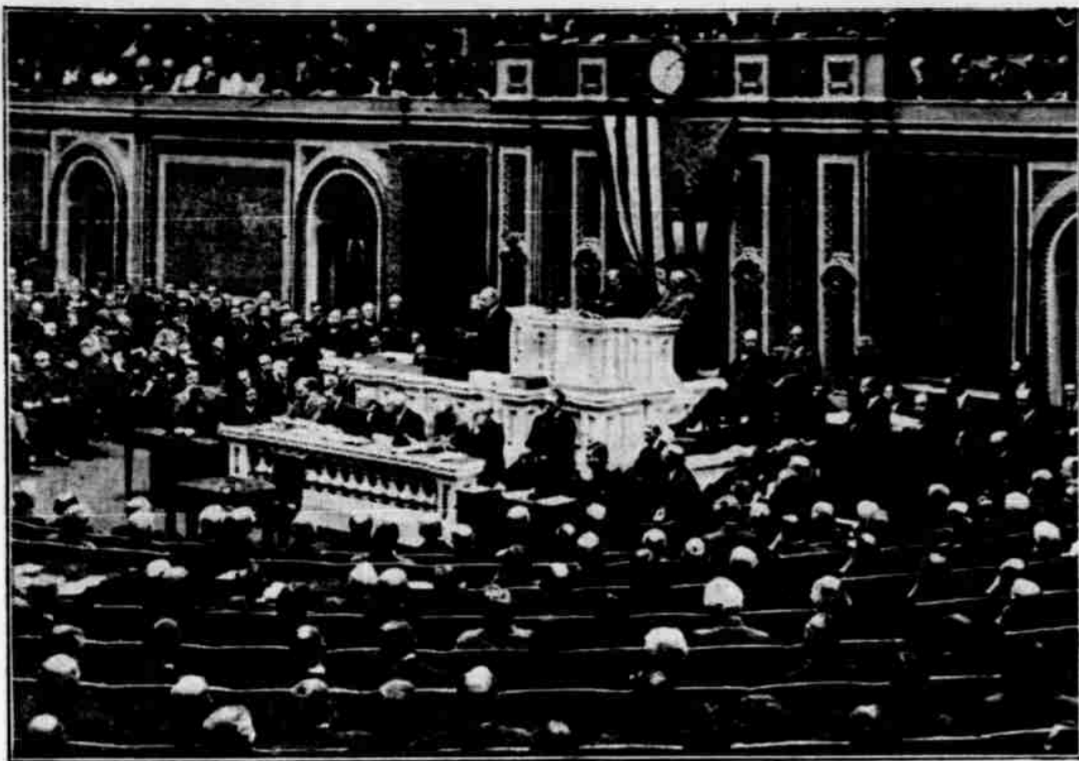
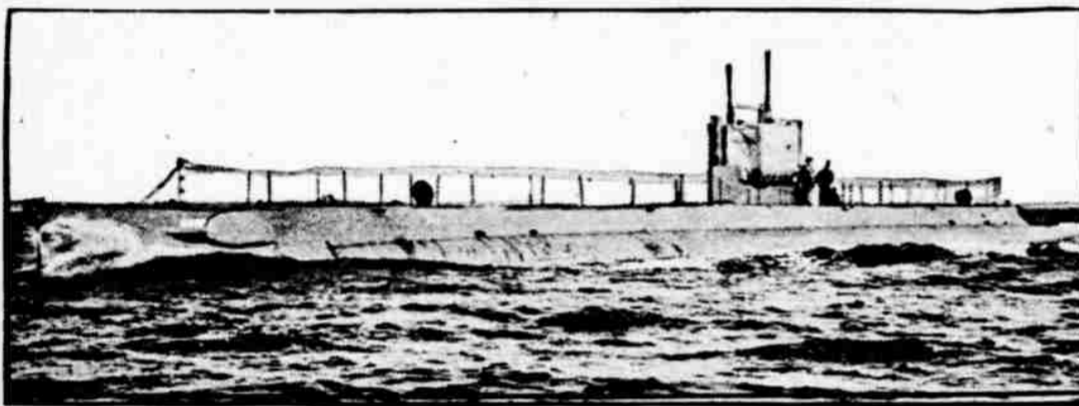


WILSON TELLING CONGRESS OF THE BREAK

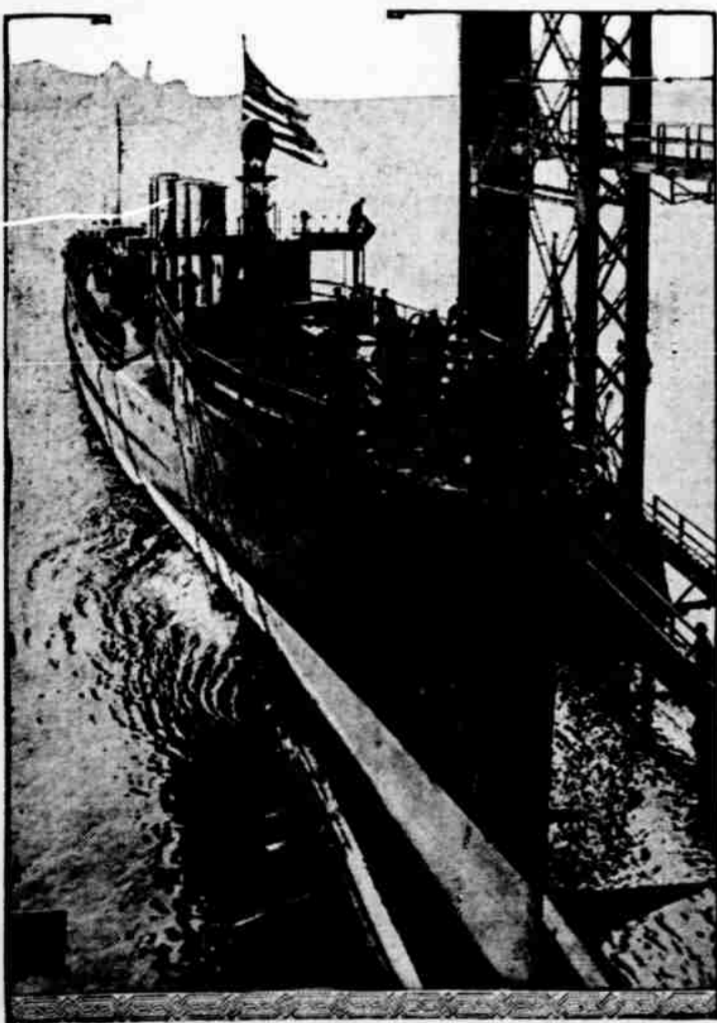


President Wilson addressing congress February 3 on the developments following Germany's decision to wage ruthless submarine warfare and telling the lawmakers of the breaking off of diplomatic relations with the Kaiser's government.

UNITED STATES SUBMARINE M-1



UNITED STATES DESTROYER JACOB JONES



POLICE GUARD INTERNED GERMAN SHIPS



Cordon of police guarding the German ocean-going liners Prince Eitel Friedrich and Koenig Wilhelm II at New York. The police are proving a big aid to the neutrality squad in guarding the interned liners.

REAR ADMIRAL BRAISTED



New photograph of William C. Braisted, surgeon general of the navy, who has been made a rear admiral. In case of war he will be one of the most important officers of the navy.

REAR ADMIRAL HARRIS



Frederick R. Harris of the engineer corps, who has been promoted to be a rear admiral. His duties, if war comes, will be most important.

SAVES HOTEL BILLS

BED WHICH MAY BE CARRIED BY TOURING AUTOIST.

Enclosed Within Tent, It Provides Complete Shelter From Wind and Rain, and Is Easily Carried on the Machine.

The delightful independence of touring in an automobile can be improved upon by means of an automobile-bed. Wherever nightfall overtakes the traveler, he can make up his own cot and sleep in his own tent, completely sheltered from wind and rain and with no expense for a hotel room.

The metal frame of the bed is jointed in the middle; and a leg is attached at this point on either side. A cross-bar connects the legs, so that they will swing together when the bed is being folded up. One end of the frame pivots on a shaft secured to the side



The bed can be set up in a few minutes and shelters the tourist from wind and rain.

bars of the automobile, as shown in the illustrations. The two outer legs are pivoted to the frame.

When not in use, the legs are swung up against the frame; the outer half of the frame is folded over the inner half, or foot of the bed; and the whole lifted to an upright position against the back of the tonneau. Small ratchet wheels at each of the joints are provided for holding the legs in position and also for locking the entire frame when folded up. Curtains are stretched over the frame to form a sort of box-tent, as shown in the illustration.—Popular Science Monthly.

ADJUSTING AUTO PUSH RODS

Keeping Them in Proper Shape Means Much to the Comfort of Those Who Are Riding in the Car.

Push rods on an auto engine after long use become worn and get noisy. To adjust them you will generally find two nuts, or a screw and lock nut, in which you can adjust by loosening the lock nut, and screw the pin out until you have about the thickness of an ordinary business card between the two, being certain that the push rod is in its lowest position.

If no such adjustments are provided you will either have to draw out the valve stem or take a rod about one-eighth of an inch larger than the stem, drill a hole in the end of the size of the stem to a depth of one-eighth of an inch, then cut off long enough to leave a small cup with the bottom in, then dress with a file until you get the proper clearance.

Chinese Had First Auto. While many people do not know it, the first record we have of a vehicle traveling without animal power is found in the ancient Chinese records, which give an account of the kite carriages. These vehicles were driven by line and blowing against a sail attached to the carriage. In the early reign of King James I of England a patent was issued to one Hugo Upton, reading as follows: "For the sole making of an instrument which shall be driven by the wind for the transportation of carriage of anything by land." Some believe that Upton secured his idea from kite carriages in old China.

Plan Mountain Grade. Officials of the national forests of the West met recently to form tentative plans for a motorcar road of seven per cent grade up Mount Timpanogos, near Provo, Utah, for about \$30,000. The work is expected to begin in April. The road will pass through American Fork canyon, then south to Aspen Grove and down Provo canyon to the Provo and North Fork and up Mount Timpanogos to the glacier base. The course lies within the Masatch national forest which makes an appropriation for its construction available from the Shackleford bill.

Fifteen Days Too Many. There is a growing sentiment among the farmers of southern New Jersey against granting automobile license reciprocity to outside automobile owners, on the ground that much of the wear on roads is done by visiting motorists from other states. It is reported. It seems fairly certain that any attempt to extend the time of the 15-day reciprocity clause would arouse strong opposition among some of the farmers.

Probably Will Come. "Woman is a little slow to get acquainted with the auto, apparently." "What makes you say that?" "I have never seen one repairing her car with a hairpin yet."

PUT CHAINS ON YOUR TIRES

Duty That Driver of Automobile Owes to His Fellow Motorists and to the Pedestrian.

Whenever the streets of New York city are wet or sprinkled with snow a large number of accidents occur which are due solely to skidding automobiles. Traffic policemen, street sweepers and members of the fire department are injured in numbers that would surprise the public. The automobile skids on a slippery pavement because the differential does not work perfectly and nobody has been able to overcome this weak spot in its construction.

The only practical way to guard against skidding is to put chains on the wheels. These chains have been in use for many years and have been perfected to such a degree that they do not cut or otherwise injure the tires. They are cheap, easily carried and applied, so owners of automobiles would not find an ordinance compelling their use at all burdensome.

When an automobile skids on a crowded thoroughfare it is more of a danger to other vehicles and persons than to itself and its occupants, and it seems unfair that a few careless owners and drivers who do not use chains should imperil others who take this reasonable precaution to prevent accidents. The courts should not regard skidding as an unavoidable accident when means of preventing it are so readily available and so cheap.—New York Commercial.

WARNING TO DRIVER BEHIND

Automatic Signal That Flashes When- ever Automobile Is Slowed Down Is Illinois Man's Invention.

Guy W. Comer, a conductor on the Illinois Central railroad, has invented and patented an automatic safety signal for automobiles, designed after the railroad safety signals that have done much to eliminate accidents in railroading. Mr. Comer's device is entirely automatic and operates without the touch or thought of the driver. It is attached to the tail light and license number bracket in the rear of the car and operates coincident with the working of the automobile brake. Thus, whenever the driver presses his brake to slow down his car a semaphore appears from be-



hind the license number, flashing the word "Stop" in large letters. In daylight the word appears in white letters on a red metal board that can be plainly read for a distance of 200 feet behind the car. At night the letters, which are made of opaque celluloid, are lighted from within by an electric light.

ADDS TO LIFE OF MACHINE

Manufacturers Realize That Proper Balancing of Engine Greatly Increases the Efficiency of Car.

In the not very distant past many automobile manufacturers gave but casual attention to the balancing of their engines, trusting to the vibrations of the road to disguise those due to the engine or divert attention from the engine builder to the road builder or to the tire maker. Great improvements have been made, however, for it has been realized that proper balancing means much to the efficiency and life of the entire machine, as well as increased comfort to the user, and the advent of the eight and twin sixes brought the subject still closer to the designer. There is still much that can be done in the way of balancing moving parts and eliminating vibrations, and our best engineers are giving the subject careful study, although the frequent changes of model delay the results.

See That Wiring Is Protected. Because oil has a disintegrating effect, not only on rubber but on cotton and fabric as well, care should be taken to see that the wiring for electric lighting and engine starting system is well protected. If oil is permitted to remain on the wiring the insulation will in time be softened so that the slightest chafing will cause the bare copper to be exposed and a short circuit or a leakage of current follow.

Avoid Trouble With Carburetor. In most every gas line there is a strainer or trap, either in the line itself or at the base of the carburetor. Few persons think to clean this occasionally before trouble is encountered. The present-day fuel contains more or less waste matter and trouble with the carburetor can be eliminated by cleaning this trap or strainer occasionally.

Mark Parts as Removed. When necessary to remove any part of a motor note carefully just how it was fastened on, and if necessary mark it with a punch so that there will be no doubt as to just where it belongs. This applies especially to such parts as valves, valve lifters, valve caps, etc., which look alike, but should be replaced in their original places.



ROAD BUILDING

MAINTENANCE OF DIRT ROAD

Is Now and Will Continue to Be Real Highway Problem of Kansas—Management Is Lacking.

Earth road maintenance now is and will continue for some years to be the real road problem of Kansas, since it is likely that more than a very small per cent of the highways will be paved in this generation.

"Practically all the work done on an earth road," says W. S. Gearhart, professor of highway engineering in the Kansas State Agricultural college, and state highway engineer, "except reduction of grades, correction of horizontal alignment, building of drainage structures, and elimination of railway grade crossings, is temporary and should properly be considered maintenance."

"Doing permanent work is a comparatively easy matter, for when once it



Good Road in Kansas.

is done correctly it will last for a number of years. The maintenance of an earth road, however, is a never-ending job. It is like milking the cows and doing other chores, for the builder knows that the work of maintenance will have to be done over and over again and can never feel that it is in any sense permanent.

"For this reason the earth road has a bad reputation. The trouble is not so much with the material of which the road is composed as with our system or lack of system of management. Other types of roads when treated as we treat the earth roads are much more expensive and serve the traveling public little if any better. The vast improvement that can be made on our present earth roads by intelligent direction in their construction and maintenance is little realized by the public, and the serviceability of a properly maintained earth road is not appreciated when compared with other types of roads as to cost of construction."

"Successful construction and maintenance of any kind of a road depends upon the recognition by the public and the builders of a few fixed and fundamental requirements."

"One practical, well-paid road builder should be made responsible for the upkeep of a certain section of road and should be employed throughout the year, his tenure of office being made dependent entirely upon the character of services rendered. The graded portion of the road should be elevated and crowned so that the water from every section of the road surface will flow into the side ditches."

HIGHER COST OF BAD ROADS

Substantial Reasons Why Farmers Should Get Together and Save Cost of Poor Highways.

The road that connects your farm with the nearest town has more to do with the cost of living, doubtless, than you realize. Have you ever thought that every product you sell and every article you buy must be hauled over the road; that your teams and vehicles or your automobile must bear the "wear and tear" caused by a rough road to sell farm products or to bring the necessities from the town?

The fact that your neighbor must also pay the high cost of bad roads is all the better reason why you, he and the rest of the neighborhood should get together and improve the road to save some of this expense. What you and your neighbors lose in hauling farm products over bad roads would soon build a good road and give you quick and satisfactory service.

How long can you afford such loss? And when shall the road be improved?

Increased Expenditures. In 1904 the actual cash road and bridge expenditure in the United States averaged slightly less than \$28 per mile of rural roads. In 1915 the cash road and bridge expenditure had increased to an average of \$109 per mile of road.

Crop Success or Failure. While weather is perhaps the most important factor in crop yield, certain controllable conditions of soil and seed often determine the success or failure of the crop.

Meat Eaters' Backache

Meat lovers are apt to have backaches and rheumatic attacks. Unless you do heavy work and get lots of fresh air, don't eat too much meat. It's rich in nitrogen and helps to form uric acid—a solid poison that irritates the nerves, damages the kidneys and often causes dropsy, gravel and urinary disorders. Doan's Kidney Pills help weak kidneys to throw off uric acid. Thousands recommend them.

A Colorado Case

Philip Gamble, 719 S. Nevada Ave., Colorado Springs, Colo., says: "I was bothered a great deal by backache, especially when working. After I stood for awhile, I couldn't straighten without great effort. If I took cold, it settled on my kidneys and caused a very severe backache. Doan's Kidney Pills helped me as soon as I took them and continued use cured me."

Get Doan's at Any Store, 50c a Box. DOAN'S KIDNEY PILLS. FOSTER-MILBURN CO., BUFFALO, N. Y.

Not Much Trouble. "What are you doing now, Pete?" "I'm collecting." "Collecting what?" "My thoughts." "Gosh, you always were lucky getting light work!"—Puck.

SYRUP OF FIGS FOR A CHILD'S BOWELS

It is cruel to force nauseating, harsh physic into a sick child.

Look back at your childhood days. Remember the "dose" mother insisted on—castor oil, calomel, cathartics. How you hated them, how you fought against taking them.

With our children it's different. Mothers who cling to the old form of physic simply don't realize what they do. The children's revolt is well-founded. Their tender little "insides" are injured by them.

If your child's stomach, liver and bowels need cleansing, give only delicious "California Syrup of Figs." Its action is positive, but gentle. Millions of mothers keep this harmless "fruit laxative" handy; they know children love to take it; that it never fails to clean the liver and bowels and sweeten the stomach, and that a teaspoonful given today saves a sick child tomorrow.

Ask at the store for a 50-cent bottle of "California Syrup of Figs," which has full directions for babies, children of all ages and for grown-ups plainly on each bottle. Adv.

Sense of Justice. "That parrot I bought uses violent language." "Lady," replied the dealer, "I won't deny that he does swear some. But you must give him credit for the fact that he doesn't drink nor gamble."

YES! LIFT A CORN OFF WITHOUT PAIN!

Cincinnati man tells how to dry up a corn or callus so it lifts off with fingers.

You corn-pestered men and women need suffer no longer. Wear the shoes that nearly killed you before, says this Cincinnati authority, because a few drops of freezezone applied directly on a tender, aching corn or callus, stops soreness at once and soon the corn or hardened callus loosens so it can be lifted off, root and all, without pain. A small bottle of freezezone costs very little at any drug store, but will positively take off every hard or soft corn or callus. This should be tried, as it is inexpensive and is said not to irritate the surrounding skin.

If your druggist hasn't any freezezone tell him to get a small bottle for you from his wholesale drug house.—adv.

Odd Troubles. "There is one thing queer about splurging on a limited income." "What's that?" "The more you live in a society round the harder you find it to make ends meet."

Safety First. At the first sign of a cold take—



The old family remedy—in tablet form—safe, sure, easy to take. No opiates—no unpleasant after effects. Cures colds in 24 hours—cure in 3 days. Money back if it fails. Get the genuine box with Red Top and Mr. Hill's picture on it—25 cents. At Any Drug Store.

PATENTS

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