



Soldiers in Skirts

A vital position in America's army, a chance to put a fighting man at the front, training in technical skills, development of leadership qualities—these are some of the opportunities awaiting the two girls pictured above as they stand on the threshold of a WAAC signal corps training school. They are fulfilling the tradition that all patriotic American women have always taken their share of responsibility for the welfare of their country, in war and peace. Thus, the roots of the Women's Army Auxiliary Corps go back to the origin of this nation. These girls will learn radio code operation, radio repair, teletypewriter operation, switchboard installation and the operation and maintenance of many other instruments of communication. Many other WAAC schools teach a wide variety of occupations that prepare the girls for wartime and peacetime work.



Victory Parade

Dots and dashes are the backbone of the corps' global radio communications network. Four enrollees are shown learning to receive and type code messages.

After three to six months' training the WAAC is functioning at some job that will release an able-bodied man to a battlefield. These girls (right) operating a field switchboard know how to install and repair it. They have become a vital part of the Signal corps which needs 2,000 more girls. Upon successful completion of the training course they will be called to active military duty. Later there is always the opportunity to rise to higher grades and eventually attend officers' training school.



"Gas!" At this command the WAAC instantly removes her hat, places it between her knees and quickly dons a mask. Close order drill while wearing masks is performed by WAACs in photo at upper right. A change from civilian life is demonstrated by Auxiliary Gra e Terry (right), who awakens at 5:40 a. m. and stands at attention in an inspection line at 6 a. m., disproving the popular misconception that it takes women a long time to dress. One of the WAAC training camps is at Daytona Beach, Fla.



A WAAC motor convoy group rolls along the sands of Daytona Beach over which many an auto speed king has raced to fame.



Blood Tests of Hogs To Stem Abortions

Healthy Looking Swine Can Carry Disease

"Typhoid Mary," who a few decades ago unwittingly spread typhoid fever although not appearing to be ill from the disease herself, has a present-day counterpart in swine which perpetuate infectious or contagious abortion by farrowing apparently healthy litters that may spread the disease.

More than 2,300 blood samples from approximately 32 herds in different parts of the state were tested last year by the department of animal pathology and hygiene at the University of Illinois college of agriculture. About 10 per cent proved to be reactors.

Invariably introduced into healthy herds through the purchase of apparently healthy gilts, sows or boars, the contagious type of abortion can be definitely diagnosed by blood testing all breeding animals in the herd. Results of the test and



An apparently healthy sow, like this one, may transmit abortion disease through her pigs.

approved methods of management will enable owners to prevent and control the disease intelligently.

A testing and management program has been outlined by the extension service of the college of agriculture to guide purebred swine breeders in preventing and controlling this malady. Two negative blood tests of all breeding stock in the herd at intervals of six months entitle owners of clean herds to accreditation certificates issued by the state department of agriculture. The disease control plan involves the cooperation of the local veterinarian. Although no charge is made for testing blood samples, owners pay for collecting them. Sterile vials for collecting blood samples are supplied by the laboratory.

All reactors to the test should be fattened for market, but if they are not marketed, they should be isolated at the time of farrowing. Such isolation is only a temporary expedient, since the ultimate aim of herd owners is to eliminate all infected animals. Normal litters from infected sows may be placed in quarantine and raised free from disease. After reacting animals have been marketed, the premises should be cleaned and disinfected.

Agriculture

in Industry

By FLORENCE C. WEED

Ramie Fiber

As soon as someone invents a practical machine to tear out ramie fiber ready for spinning, this country will have a new industry. Ramie can be grown especially well in the Gulf states and large yields have been obtained in Louisiana and Florida.

The plant has been grown in China for 3,000 years and was used extensively for cloth before cotton was introduced. In China it is cut, crushed and cleaned by hand, and one man's work only produces from two to six pounds of fiber in a day. To be practical here, the industry would have to be completely mechanized.

Ramie was first brought to the United States about 1855. Experiments in growing this plant have been conducted by private individuals, state agricultural experiment stations and the United States department of agriculture in many states. The most extensive plantings of 40 to 50 acres have been carried on by men who were developing decorticating machines.

There are several plants spinning ramie in this country, and the domestic fiber will find a ready market as soon as machines are developed to extricate the fiber. It has great strength when wet and will not mildew. The fiber is particularly attractive and is so soft and lustrous that as much as 20 per cent ramie may be mixed with silk without changing the appearance.

Cutting Pulpwood

In cutting pulpwood, farmers should know what types of trees to take out. It is also important to know how to cut the timber stand properly. The key to a productive forest is to maintain a good growing stock. A good stand of trees should be left.

All trees which are to be taken out should be carefully marked, and especially so where the job of harvesting is to be turned over to others.

Lovely Tulip Apron in Applique



YOU can retain the lovely beauty of the tulips by making this flower-like apron. Sprinkle it

with vivid tulip-colored patchwork pieces. It will brighten your appearance with its dainty freshness.

To obtain pattern, see *Applique from Apron Patterns*, No. 5400, which is available from the publisher, The Sewing Society, 1234 North Wells St., Chicago, Ill.

40 Feet of Rain

Much more rain falls on the windward side of the Hawaiian Islands than on the leeward side. One of the wettest spots on earth is the mountain of Waialeale on Kauai island. Its summit is usually bathed in clouds, and 40 feet of rain falls there every year.

Wolves Threaten Food Supply, Shut From Sky

Wolves are threatening the wartime food supply of people living in the Arctic circle. In less than 10 weeks they have reduced reindeer herds in Alaska from 350,000 animals to 175,000.

According to Mr. J. Sidney Cook, director of the United States Game and Fish Service at Nome, Alaska, the only answer to the menace is the employment of government airplanes flying low enough to permit shooting of the wolves, also the fashion of the coyote hunters of the Montana-Idaho country.

One airplane, operating only in the bird's-eye view, accounted for 30 wolves last spring in a comparatively small area.

NO ASPIRIN

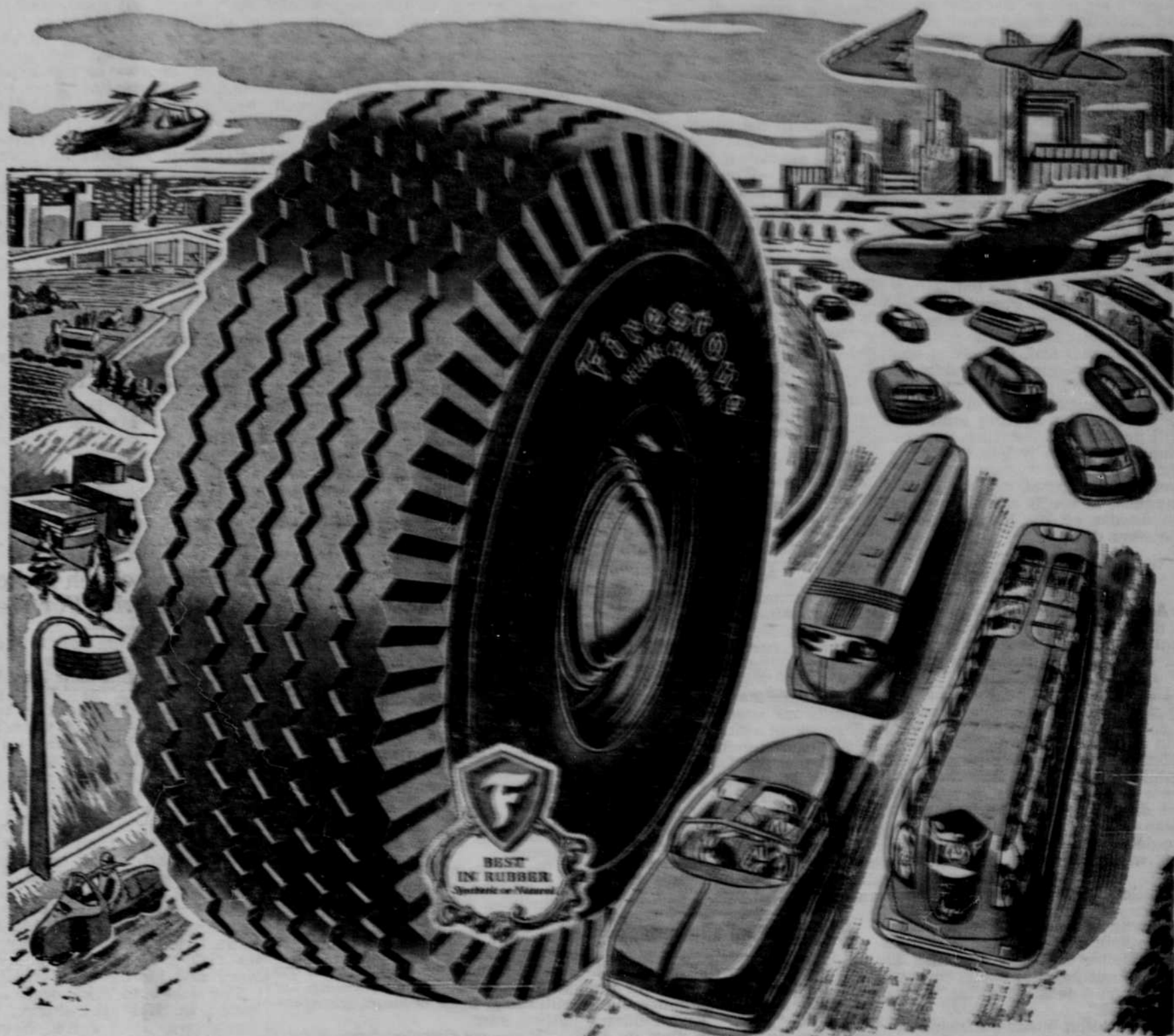
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One-Whisker Brush
One brush used for fine work in oil painting is made of a single rait whisker.

The TIRE OF TOMORROW is here TODAY!



THE WORLD-FAMOUS FIRESTONE DeLuxe Champion TIRE IS NOW BEING MADE WITH Firestone Butaprene THE MARVELOUS New SYNTHETIC RUBBER

JUST as you'd expect, Firestone is FIRST to build the tire of tomorrow for the car owners of America. It is only natural that Firestone should be the leader in working out new processes, in creating new compounds and in building better tires from American-made rubber, for Firestone has always been the pioneer in developing new materials, new methods and new machines that have resulted in tremendous advancements in tire design, construction and performance.

From Firestone have come such revolutionary improvements as the FIRST straight side tire, the FIRST rubber non-skid tread, the FIRST commercial demountable rim, the FIRST patented Gum-Dipping Process, the FIRST balloon tire, the FIRST Safe-Lock Cord Body, the FIRST Super-Speed Construction and the FIRST practical pneumatic tractor tire.

In 1933, Firestone built the FIRST synthetic rubber airplane tires for our armed forces. In 1940, Firestone built its FIRST synthetic rubber passenger car tires at the New York World's Fair and began the manufacture of its own synthetic rubber, called Butaprene, the same

type that was later adopted by the Government. In 1942, Firestone became the FIRST company to produce synthetic rubber in a Government-owned plant and later became the FIRST to make synthetic rubber using butadiene made from grain alcohol. And today Firestone is making synthetic rubber tires for passenger cars, trucks, buses, airplanes, tractors, farm implements and all types of war vehicles.

All of these years of experience, all of the knowledge that made these FIRSTS possible have been called upon in producing the new Firestone DeLuxe Champion Tire made with Firestone Butaprene. It is now ready for the car owners of America as released by the Government. But do not think that the crisis is past. America's greatest rubber supply is still on the wheels of its 27,000,000 cars. So you must continue all of the rubber conservation measures that have been so effective. However, if you are eligible and require new tires, remember this — in mileage, in strength and in safety the new Firestone DeLuxe Champion Tire upholds the Firestone tradition of "Best in Rubber — Synthetic or Natural."

Listen to the Voice of Firestone with Richard Crooks and the Firestone Symphony Orchestra, under direction of Alfred Wallenstein, Monday evenings, over N. B. C.

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