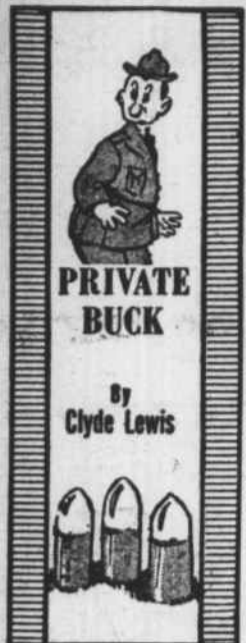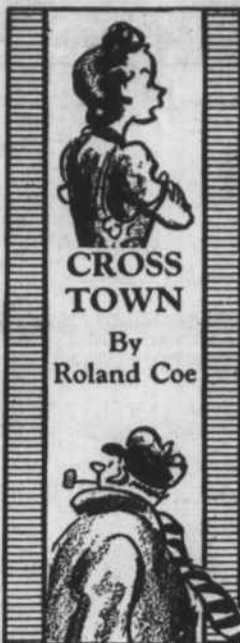# Fun for the Whole Family

PRIVATE BUCK
By Clyde Lewis

"I think I've found the trouble, Buck. The gas tank's empty!"

CROSS TOWN
By Roland Coe

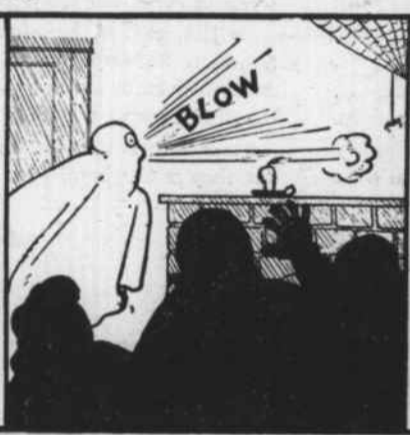"The government doesn't like hoarders, mom!"

SPARKY WATTS
By BOODY ROGERS

LALA PALOOZA—Double Error
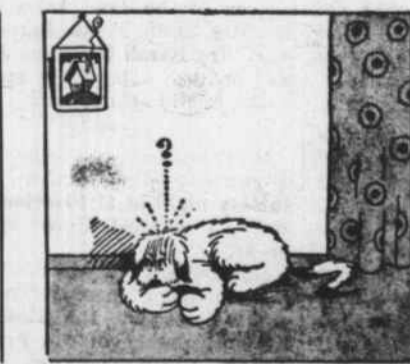By RUBE GOLDBERG
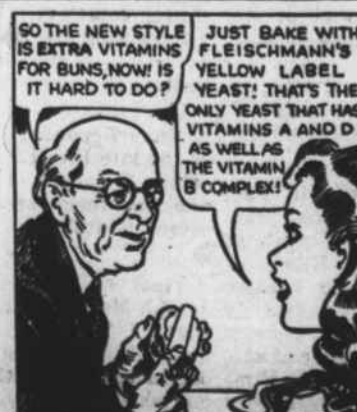
REG'LAR FELLERS—A Big Shot
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Farm Topics

Time to Check and Recondition Tractor

Points for Checkup Routine Are Listed

If you want to save yourself some exasperating moments in the field this spring—and make your tractor last longer, too—W. C. Krueger, extension agricultural engineer at Rutgers university, suggests you thoroughly check and recondition the tractor now.

"It doesn't make any difference whether a tractor has been in storage all winter or whether it has been in occasional use—it still needs a general reconditioning," Krueger says. And he lists some of the points of the check-up routine as follows:

If battery equipped, make sure unit is fully charged and that all connections are tight and that the battery is firmly supported and braced.

Take out spark plugs, clean and re-gap and replace those with appreciably worn terminals.

Oil magneto, wipe out distribu-

Perry Thompson, Indiana farmer, gives hungry tractor a feed of precious gasoline and gets going.

tor cap and flush impulse coupling with kerosene, lubricate.

Flush the water cooling system thoroughly and fill with clean rain water preferably. Tighten all connections and replace worn or gummy hose.

Thoroughly clean oil filter or install new element.

Thoroughly clean air filter according to instructions; change oil in oil bath type.

Check and flush entire oiling system by first pouring a mixture of gasoline and light lubricating oil, half and half, into each cylinder through the spark plug hole and crank the engine until the mixture has been forced out of the holes. This washes old oil from cylinders, valves and pistons and helps loosen piston rings. Use the same mixture for flushing the valve operating mechanism under the valve housing cover. Flush the crank case with kerosene, drain and refill with proper grade oil. Drain gear box and crank case and refill with specified grade of lubricant. Thoroughly grease and oil all points as specified in the lubrication chart.

Start the engine and operate slowly, watching for any unusual conditions. Sticking valves can be loosened with kerosene applied to the valve stem.

Pasteurize the Cream To Keep Butter Sweet

Many farm people, making butter for home use for the first time in many years, are anxious to learn how to keep butter from developing a rancid flavor. According to Forrest C. Button, professor of dairy manufactures, Rutgers university, the answer to this question is pasteurization of the cream.

"The heat of pasteurization makes inactive the raw cream enzyme, which causes deterioration of the fat," Professor Button explains. "Pasteurization is a simple procedure: Just put the cream into a can or pail; place this container in a large kettle, boiler or other suitable container partly filled with water; place this on the stove and bring the cream to a temperature of 145 to 150 degrees Fahrenheit for 30 minutes. A shorter method is to heat the cream to 165 to 170 degrees for 10 or 15 minutes, but the 30-minute method is the standard procedure. The cream should be stirred while being heated.

When the pasteurization process is completed, Professor Button says that the cream should be cooled to 50 degrees Fahrenheit or lower and held at this temperature for at least three hours before churning in order to insure firm butter granules.

The Vanishing American

The farm laborer, today's vanishing American, has disappeared down one of two separate channels—the armed forces and industry. A high percentage of the skilled specialists who operate the mechanical gadgets of both army and navy have been from farms. Equipped with the rugged physique that comes from long hours of hard work in the open farm boys have been gratefully accepted by all the armed forces and are serving their country well.