

**ROYAL FAMILY ON FARM.** Prince Charles demonstrates to his mother, Queen Elizabeth II, how easy it is to make friends with a calf on their Balmoral Castle estate in Scotland. Princess Anne watches as her father holds another calf.

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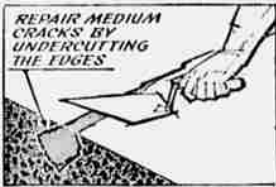
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**HOME REPAIR DO's And DON'T's**

**A HAND-RUBBED FINISH**

Do . . . get an excellent hand-rubbed finish on new wood (or wood from which the old finish has been removed) with a mixture of two parts of boiled linseed oil to one part of turpentine.

Do . . . apply the mixture with either a cloth or a clean paint



brush, being certain that all parts of the wood are covered.

Do . . . wait a few minutes, then go over the wood with a dry cloth to remove all traces of excess oil.

Do . . . after about half an hour, take another dry cloth and start rubbing, remembering that with this type of finish, it is impossible to rub too long or too hard.

Don't . . . neglect to rub down the finish about once a week for several weeks, the purpose being to get the type of satin finish that wood ordinarily gets only after several years of care.

Don't . . . forget that a finish of this sort, while transparent, makes the wood a little darker than its natural color, so experiment first on an inconspicuous part of the furniture to be sure it is the correct hue.

Don't . . . overlook the removal of the excess oil in putting on the finish, otherwise it will become a decided dust-collector.

Don't . . . allow spilled liquids to remain very long on the surface of this (or any other) finish, although the linseed oil-turpentine combination is more resistant to stains than most.

**MANY BOUNDARIES**

Tennessee is bounded by more states than any other state of the Union. Its borders are adjacent to eight states: Alabama, Arkansas, Georgia, Kentucky, Mississippi, Missouri, North Carolina and Virginia.

**Dairy Farmers Change Costs**

New technology in cooling milk at farms and in hauling it from farms to plants would result in an overall savings of 6 million dollars to 12 million dollars annually with new bulk equipment and methods, according to a report issued by the Agriculture Marketing Service of the U.S. Department of Agriculture. Milk cans are being replaced by bulk tanks on dairy farms in many areas.

More and more, milk is cooled in bulk at the farm, and hauled from farm to plant in tank trucks. When operators convert to bulk assembly of milk the cost items for the milk dealer, hauler, and dairy farmer are changed. Some of the major costs of receiving and cooling milk are shifted from the city milk plant to the farmer.

The truck driver usually makes more for driving a tank truck than for driving a can truck, partly because of increased responsibilities for measuring and sampling the milk. Other tasks, formerly done at the plant, are shifted to the farmer himself, reducing plant expense for receiving and recooling milk. For these added duties, the farmer may get lower hauling charges or perhaps higher prices for bulk milk. But these are often uncertain in amount and duration. On the other hand, less milk is spilled and wasted, and chore work is easier without heavy lifting of cans. On most farms, costs with bulk tanks are higher than with can coolers. Most of these increased costs are related to the larger investment. And there is a question how much savings the farmer needs to offset the added investment.

Marketing researchers report that the shift from can to bulk equipment is likely to continue; that it may come about more rapidly in some milksheds than in others. Already many plants have dual receiving equipment to handle both can and bulk milk, and some receive only bulk milk. The number of plants converted to all-bulk receiving is increasing steadily, the number still equipped for all-can receiving is decreasing rapidly. As the shift to bulk handling continues many long-established marketing practices are being changed.

A copy of this report, "How Bulk Assembly Changes Milk Marketing Cost," Marketing Research Report No. 190, is available from the Office of Information, U.S. Department of Agriculture, Washington 25, D.C.

Fighter planes have become so complicated that it now requires about one million engineering hours to get such a plane into actual production. In 1930 a similar task required only 17,000 man hours.



**IF IT'S TALL CORN YOU WANT,** J. H. Rogers can tell you how to get it. He planted these giants out in Shady Pine on June 20 and let them grow until September 28. The corn is "Barry Wonder" and Rogers averaged 50 tons of silage to the acre from these 12 foot stalks.

**Our NEW Check-R-Mixer can help you . . .**

**Save** { **grain time money**



When we put our original Check-R-Mixer into operation, its biggest "claim to fame" was the miraculous way it told us how much Purina Concentrate to add to whatever amount of grain you brought in. But, our NEW Check-R-Mixer does much more!

It makes it possible for us to follow the very latest grain and time-saving formulas which are too complicated to figure in other ways, helping you get all the meat, milk and eggs your grain can deliver.

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