

## NEW MIXER SAVES TIME IN BREAD MAKING

Great time saving in the process of bread baking is claimed for a new bread mixer which has been developed in the department of milling industry at the Kansas State Agricultural College. C. O. Swanson and E. B. Working of that department maintain that mechanical action on dough can be made to take the place of the usual fermentation previous to putting the bread in pans.

With the aid of the departments of machine design and shop practice they have invented a bread mixer which they claim breaks down the gluten in dough and modifies its texture to such an extent that it does not have to be "put to rise" before being placed in pans. Since the mixing takes only seven minutes and panary fermentation about forty minutes, the time saving is considerable. The bread made by such a process is said to be quite as good in quality as that baked in the ordinary way.

Just what application of this process will be made in the baking industry is not yet determined. Further experiments along this line are being conducted at the agricultural college.

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## OVER THIRD THIS YEAR'S CHICKS TO DIE

If poultry raisers want to rear their baby chicks to be healthy grown-up hens and roosters they must give them clean quarters and proper food. From 35 to 40 per cent. of the chicks hatched this spring and every spring die while still in their chickhood, according to Prof. Robert Graham, of the department of animal pathology and hygiene at the University of Illinois.

"No medicine has been found that will measure up to the important task of curing all poultry diseases", Prof. Graham said. "Nor has there been any medicine found that poultrymen can rely upon to cure a small percentage of poultry diseases unless the owner has first taken the steps necessary to prevent the diseases."

Infectious disease is the most important factor in the high death rate of chicks but improper feeding and housing are close seconds, he maintains.

"Chicken raisers would have more success in fighting poultry diseases if the money they usually spend in buying patent medicines and other remedies of questionable value were used to provide more adequate housing and yarding," he declared.

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A low power, long range radio set is being designed for the Byrd expedition to the North Pole.

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The belief that bats destroy mosquitoes in large quantities is not demonstrated in actual practice, according to the U. S. Department of Agriculture.

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