

**NEW DRAINS, IF LAID END TO END, WOULD REACH AT LEAST 2,887 MILES.**

**IS ROOM FOR MUCH MORE**

Lack of Drainage is Still the Chief Drawback to Agriculture in Many Parts of Michigan.

From Department of Farm Mechanics, Michigan Agricultural College.

East Lansing, Mich.—Most of us, when we think of reclamation projects nowadays, call to mind the mammoth dams of the middle West and the thousands of acres of once semi-arid and non-productive lands now teeming with bumper crops.

A Drainage Demonstration. The college, through its field men, is demonstrating the value of drainage, where needed by doing "sample" jobs for its instruction farmers.

Our method of reclamation, however, has been directly the opposite of that used by our western neighbors.

Very recently the department mechanics of the college, for purposes having to do with the present food campaign, set out to ascertain the extent to which drainage is being pushed within the state.

It was learned, for instance, that 12,000,000 feet of drain tile 5 inches in diameter and smaller was manufactured in Michigan in the year 1927.

Two general kinds of tile are to be found in Michigan—the concrete and the glazed tile.

Even the best made porous tile is likely to shrink if subjected to freezing.

Club Root of Cabbage. Club root of cabbage shows itself as swellings on both the large and the small roots.

Waterproof wall coating capable of withstanding the dampness of the rainy season is water proof.

How Work Keeps Mind and Body Fit. Work is the savoring extract of daily existence.

Teen Grows Up in a Night. Like any other child, West had a wild gold fever.

Cut Wood Now. County and emergency food agents in the vicinity of the state are urging farmers to cut wood before spring comes and to supply their rural neighbors.

**"WE WON'T WIN IF WE WASTE"**  
**Tested Wartime Recipes**  
**FOR USE IN MICHIGAN**  
(Clip and save these recipes for future reference.)

**Earnest Cooperation Needed.**  
Remember that the recipes which are being given here, and those which you will find elsewhere, are merely suggestive.

**Chicken Salad.**  
1 C cooked chicken  
1 C celery  
2 hard-boiled eggs  
1/2 tsp salt dressing (or more)

**Corn Meal Crust.**  
Grease a pie plate well. Cover with 1/2 inch of corn meal. Roll very thin and lay on top of the filling.

**Barley Mush.**  
1 C ground barley  
2 C boiling water  
1/2 tsp salt

**Vegetable Loaf.**  
1 C chopped carrots  
1 C peas—ground  
1 C string beans—ground  
1 C boiled rice

**Carrot Souffle.**  
1 cup well-beaten egg whites  
1/2 cup carrots, boiled and mashed  
1 tablespoon minced onion

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**Some More Wheat Savers.**  
Remember that macaroni, spaghetti, crackers in general, are made of potatoes, rice, squash and other crops that are not used as strictly wheatless meals.

**MEAT SUBSTITUTES.**  
The average housewife has for years prepared and served dishes which are in reality excellent meat substitutes.

**MILK AND MILK PRODUCTS.**  
A glass of milk may well take the place of a small serving of beef.

**EGGS.**  
Eggs are an excellent substitute for meat. When reasonable in price serve them often as a substitute.

**Macaroni and Cheese.**  
Macaroni is made of Durum wheat flour—a flour containing too much gluten to be used in making a good loaf of bread.

**Cereals.**  
Whole grains may well help to supplement a smaller consumption of meat.

**Club Sandwiches (Two).**  
2 slices loaf  
2 leaves lettuce  
2 slices beef (cooked)

**Creamed Chicken.**  
1/2 C chopped celery  
1 T fat  
1 T flour  
1/2 C milk  
1/2 C chicken stock

**Bedding for Sows.**  
Active sows in comparatively light condition should have a liberal supply of bedding.

**Soil for Vegetables.**  
For most of the garden vegetables, soil cannot be too rich.

**Natural Life of Sheep.**  
The average life of a sheep is about ten years; up to this time they will thrive and breed well.

**BRANDED CAPTAIN HAS NAME CLEARED**  
**Army Officer, Once a Convict, is Restored to Full Citizenship.**

Albany, N. Y.—A big, broad-shouldered man, wearing an officer's uniform, with two silver bars on his shoulders, walked into the executive chamber of the United States and stepped smartly to the governor's desk.

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**PLANE MAN AGGREGATING U. S. LAGGING**

Washington—Since the fact that the aircraft production division under fire was first disclosed some days ago every day has added some strange and curious incidents to the story.

**DETROIT FLYER DIES IN FRANCE**  
Captain Collins, First Michigan Aviator Killed on Battlefront.

**"HUMAN WOLF" TO BE FREE**  
Has Four Murders to His Credit and Has Served 51 Years in Prison.

**STRIKE HALTS SHIP BUILDING**  
800 Men at Baltimore Demand That Wages Be Doubled.

**USE SCREEN FOR DETECTIVES**  
Cleveland Police Chief Believes His Men Are Becoming Too Well Known to Crooks.

**PAROCHIAL SCHOOLS PERILED**  
Church Instruction Would Cease if Proposed Amendment Passed.

**NEGLECTED COLDS BRING PNEUMONIA**  
CASCARA QUININE

**MOTHER GRAY'S POWDERS**  
Benefit Many Children

**THE WAR LORD SALUTES THE FIELD MARSHAL.**

Such is the striking title to a well-drawn cartoon in an agricultural paper, showing the War Lord in a suit to the farmer.

**CHANGING MANAGEMENT LIKELY**  
Forbidden to Give Number of Planes Built But It Is Known Work is Far Behind Schedule.

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