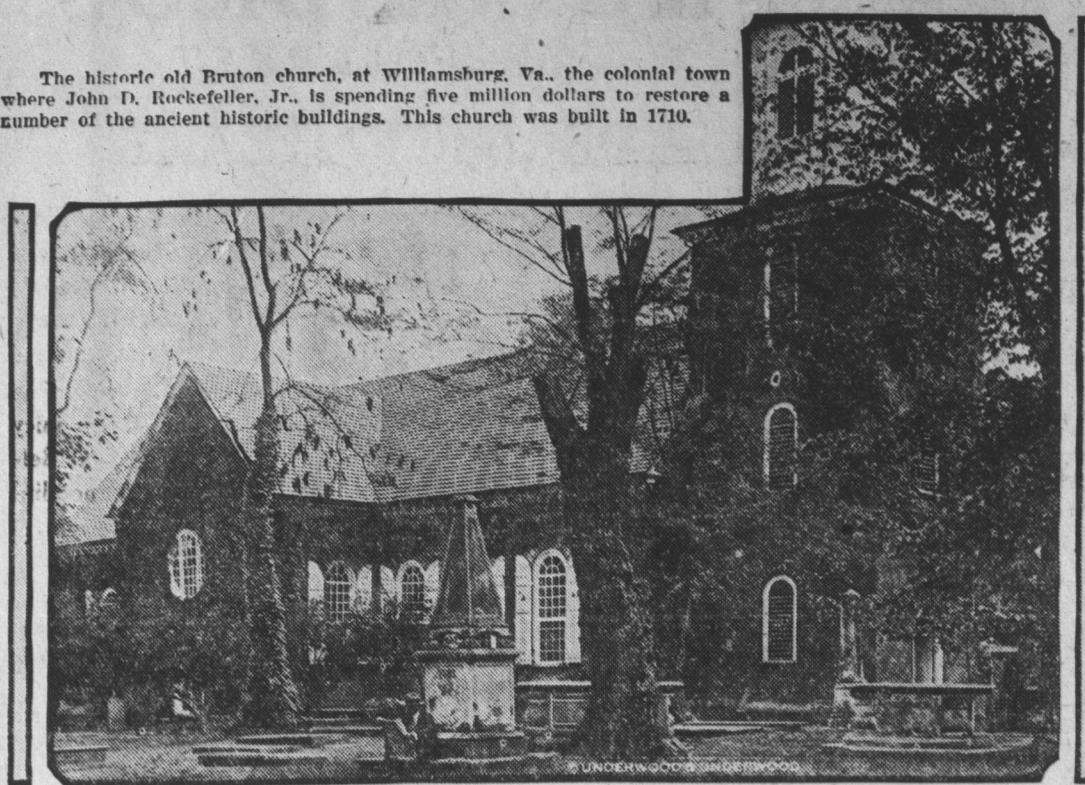
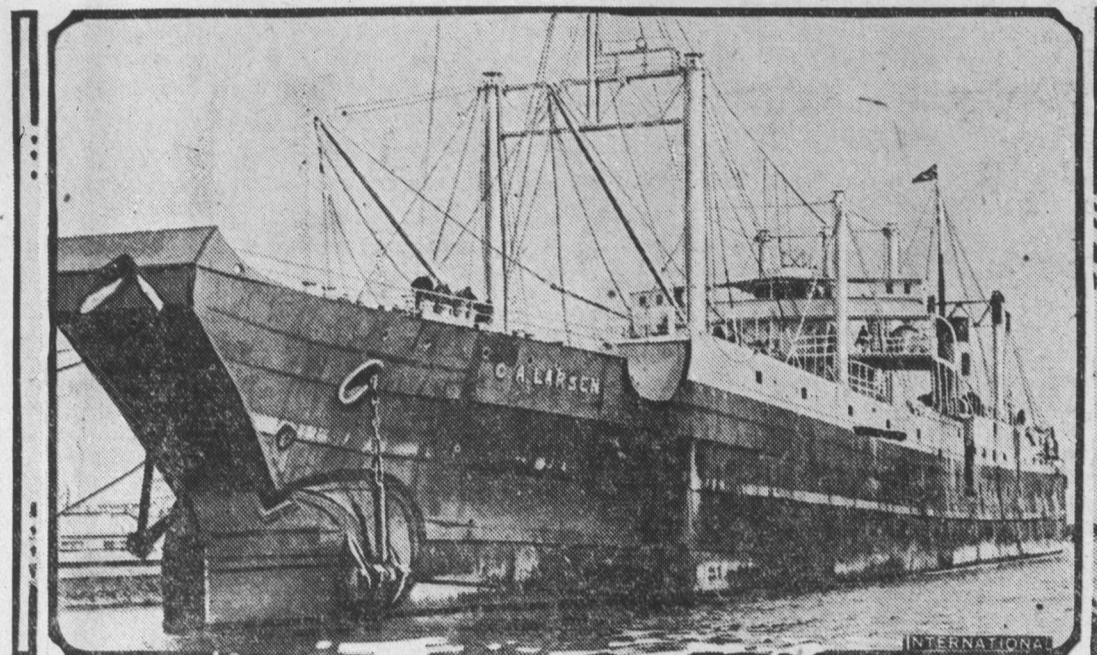


## Old Church Where J. D. Jr., Is Spending Millions

The historic old Bruton church, at Williamsburg, Va., the colonial town where John D. Rockefeller, Jr., is spending five million dollars to restore a number of the ancient historic buildings. This church was built in 1710.



## Byrd's Flagship Sails From Los Angeles Port



The whaler C. A. Larsen, flagship of Commander Byrd's Antarctic expedition, on which the explorer and aviator sailed from Los Angeles harbor with 55 of his companions.

## BENNETT MEMORIAL



Victor Frisch, prominent sculptor of New York, putting the finishing touches to his model of the Floyd Bennett memorial, which will be reproduced in bronze later. Bennett, pioneer aviator who flew with Commander Byrd over the North pole, died of pneumonia contracted when he went to the aid of the German-Irish flyers on Greenley island.

## FOR DRY AGENTS



The newly authorized cap and badge to be worn by prohibition enforcement agents, especially those detailed on highways at night, so that motorists may recognize them as federal officers and not highwaymen.

## Planning to Get Secrets of the Sea



These three men, Dr. Fred E. Wright of the Carnegie Institute, E. B. Collins of the hydrographic office of the navy, and Dr. F. R. Vening Meinesz, noted Dutch scientist, when photographed in Washington were laying plans for an expedition to penetrate the unexplored depths of the sea. They will use a navy submarine and two Eagle patrol boats.

## Antarctic Ice Best

Our idea of damming with faint praise crystallized into definite form again, when we saw by the paper that the ice around the South pole affords better landing conditions for aircraft than that around the North pole does. —Ohio State Journal.

Igorrotes Head Hunters  
The Igorrotes are members of the wild head hunting tribes of Luzon, Philippines Islands, an answer to question points out in Liberty Magazine.

## THINGS WORTH RECORDING

In 11 of the 48 states, the capital is the state's largest city.

It is likely that Caesar used Greek engineers in bridging the Rhine.

The oldest document records of the Russian people go back to the Ninth century A. D.

A scientific institute in Russia specializes in studying ways to preserve fragile objects dug up in the ruins from ancient civilization.

The diamond is the purest form of crystallized carbon.

The Florida has 41,810 horse-power, the greatest horse-power of any United States battleship.

A real saw for bread cutting is a new invention said to cut fresh bread faster and straighter.

A new German process of making artificial ice for skating rinks is being tried commercially.

## Get Fertilizers in Compact Form

## New Commercial Mixtures With Nitrogen Compounds Increase Plant Food.

Concentrated fertilizers are here this season. More than that, they will receive greater consideration from New York farmers and probably will be used far more extensively in the years to come, says Prof. E. L. Worthen of the agronomy department of the New York State College of Agriculture at Ithaca, N. Y.

## Synthetic Nitrogenous Materials.

The development of so-called concentrated mixed fertilizers results from advances in the manufacture of synthetic nitrogenous materials. These materials are higher in plant food than the animal, fish, or vegetable materials which have commonly been used as carriers of plant foods for commercial fertilizer.

All the nitrogen in a fertilizer may come through synthetic materials or "chemicals." While an objection has been raised because these concentrated fertilizers do not contain nitrogen in the form of organic materials, experiments do not show any consistent superiority of nitrogen from organic sources as compared with that from "chemicals."

Results from concentrated fertilizers, although still somewhat incomplete, indicate an approximate equal value, pound for pound, of plant food in concentrated mixtures and in fertilizers of ordinary low concentration.

## Advocate Ratios.

Buyers of fertilizer will be advised more and more to consider using ratios such as 1-2-1, 1-3-1, or 1-1-1 instead of the analysis such as 5-10-5. The analyses which have been used for years by New York farmers indicate the percentages of plant food contained. However, since concentrated fertilizer may carry double or triple as much plant food as those less concentrated, the use of ratios to represent the plant food contained instead of the exact formula is advised.

Professor Worthen points out that it is possible to injure seeds or young plants unless the rate of application of concentrated fertilizer is reduced. If a 10-20-10 fertilizer replaces a 5-10-5, the rate of application should be reduced one half, for example. Special precautions should be taken to prevent the fertilizer from coming in direct contact with the seed but if the rate of application is not unduly heavy and if the fertilizer is properly mixed with the soil, crops will not be injured.

## Colloids in Soils Have Much to Do With Plants

Now that such words as legumes, humus and bacteria have become familiar to farmers and their relation to the soil fertility is understood, the term "colloid" is about to claim the attention of soil builders. Soil colloids consist mainly of organic matter and partially decomposed mineral substances existing in a very finely divided state. These colloids are important, scientists are finding out, because they have much to do with plant growth. The extent of bacterial action in the soil, its water holding capacity and the solubility of the plant foods depend very largely upon the nature of the colloids present.

## Fall Plowing for Trees Is Favored by Forester

"Proper tillage of the soil is probably the most necessary prerequisite to successful tree growing," says C. W. Watkins, Nebraska extension forester. He advises the man who plans to set out trees in the spring to plow the ground in the fall. This conserves the moisture and makes a compact, moist soil for planting in the spring. There will be enough moisture stored in the fall plowed land to start the trees in the spring even if there is very little rain at that time. After the trees are planted, regular cultivation and an occasional hoeing will prevent weed growth and give the trees a chance to get started.

## Agricultural Squibs

No economical substitute for the use of liming materials in growing legumes has been found.

The home gardener may extend his growing season in the fall by the use of hotbeds and cold frames.

Giving your dairy barn a good system of ventilation now means healthier stock and purer milk in the winter.

Federal specialists estimate that 10 per cent less chickens are being raised on American farms this year than in 1927.

Dairy herds of low butterfat producing cows require less feed and labor, but the pound cost of butterfat is greater than in herds of high-producing cows.

Form, size, color, freedom from blemish and condition are the points to consider in selecting fruit for showing. In arranging the exhibit follow the specifications of the premium list.

If sodium nitrate is applied to wheat at the time of heading, the protein content of the grain is increased. Where farmers can secure the premiums millers are willing to pay for high protein wheat this practical crop chemistry may prove profitable.

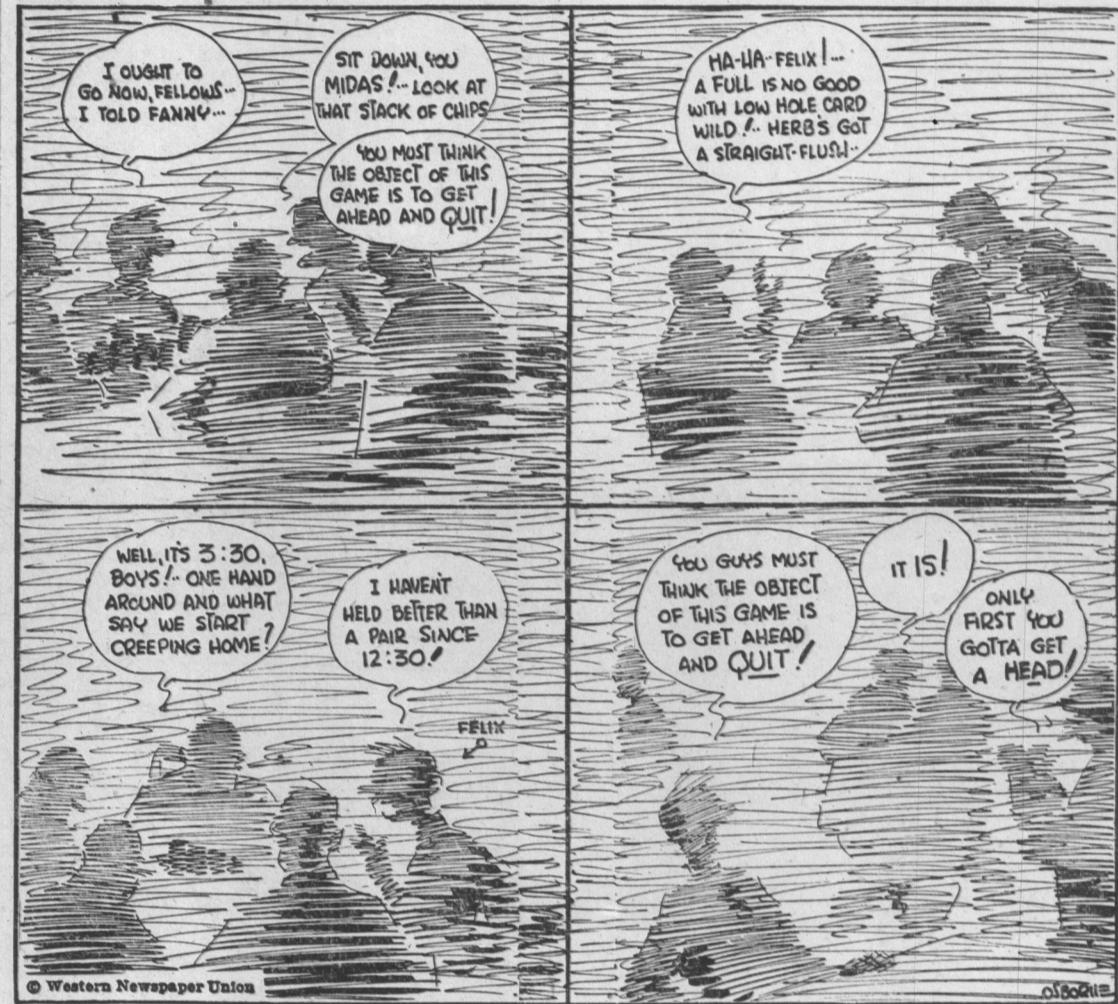
The use of wheat in the form of flour is increasing in the United States at the rate of about 6,000,000 bushels a year, according to the United States Department of Agriculture. Since 1922 the world's demand for wheat seems to have increased at the rate of about 5 per cent a year, due both to growth in population and per capita consumption.

## OUR COMIC SECTION

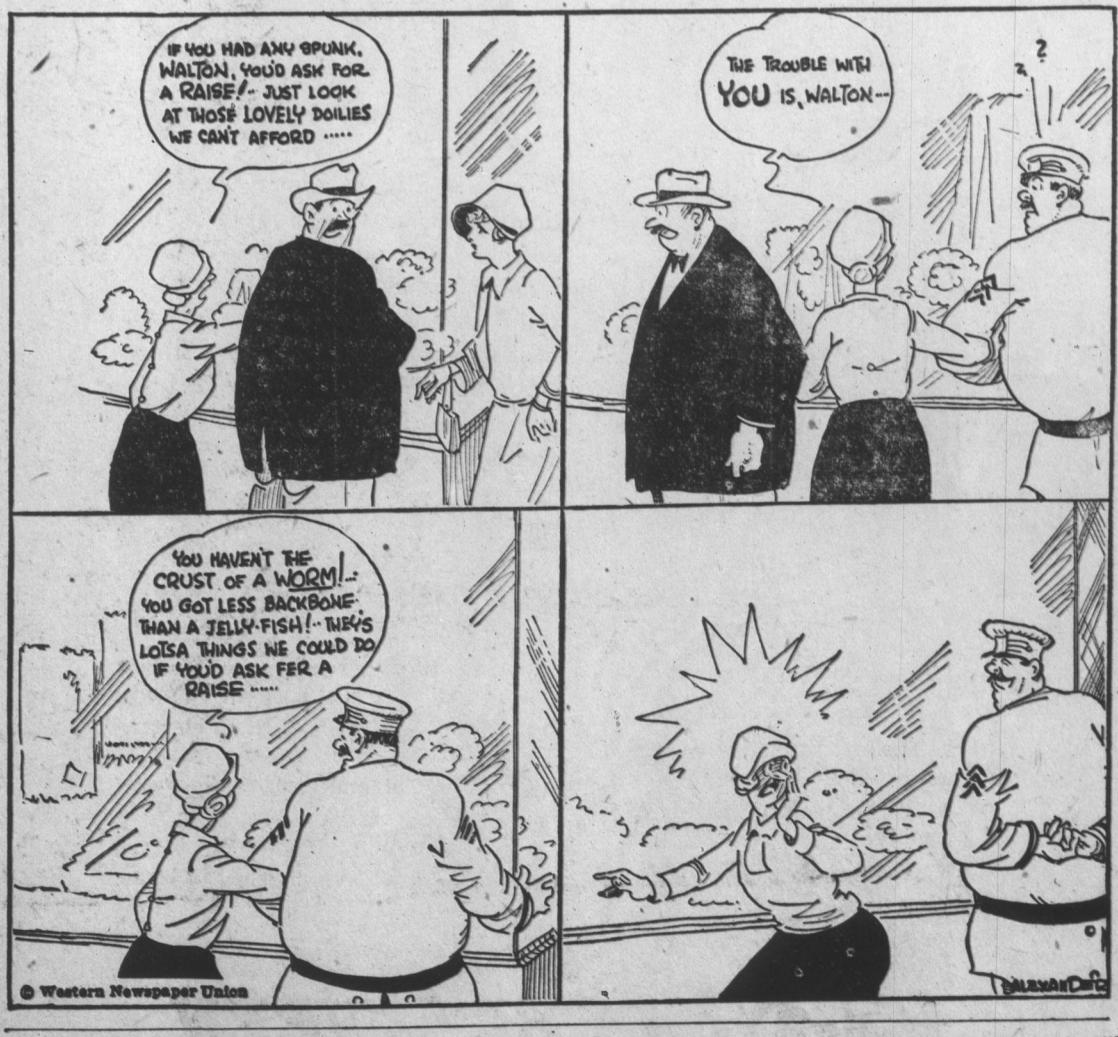
## Along the Concrete



## THE FEATHERHEADS



## FINNEY OF THE FORCE



## WHERE WORDS BELONG



Wife (quarrelsome) — I don't see

why you wanted to buy that dictionary! We don't need it! Hubby — There, that's enough. Let's have words in the dictionary and not over it, if you please."

## Fortunate Bill

"How come Bill Bilkis is always called in to act as best man at the weddings in Bilkisville?" asked the former resident, who took the old home town paper.

"Well, he goes it."

"I think, doc, you'd better join me on the links and prescribe for my golf. They say I play a pretty sick game."

## First Aid Needed

The doctor, himself an ardent golfer, prescribed golf for Mr. Big Business and heard nothing from him for two weeks. Then he came into the office.

"Well, how goes it?"

"I think, doc, you'd better join me on the links and prescribe for my golf. They say I play a pretty sick game."