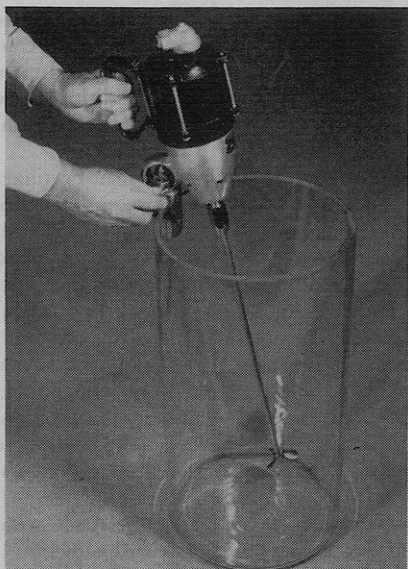


# NEW PRODUCTS AND EQUIPMENT



## Explosionproof Mixer

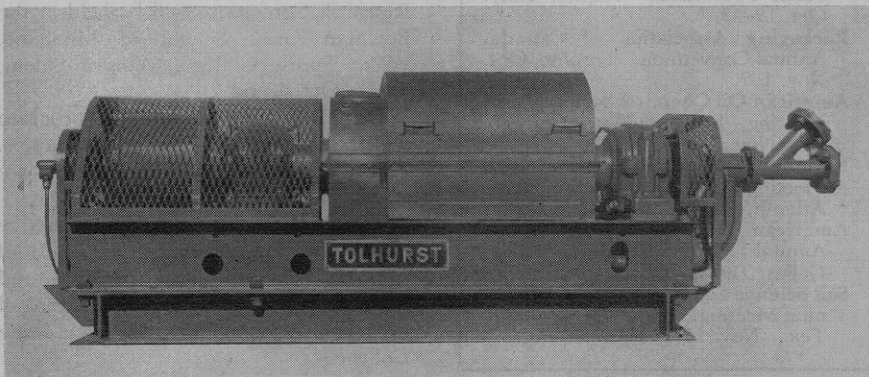
The lightning portable mixer manufactured by the Mixing Equipment Co. is the only electric laboratory mixer designed for use with hazardous fluids of the Class I and Class II types. The mixer motor has been approved by the Underwriter's laboratories for this service. The mixer is recommended for simple fluid mixing, solids suspension, and blending operations. Designed to clamp on the rim of containers, the unit will handle up to 50 gallons of low viscosity fluids. **PE1**

## Dry Blender

A dry blender of transparent plastic, for research and development batch blending operations is available from

## Continuous Centrifuge for Production Operation

This continuous centrifuge is being introduced by Tolhurst Centrifugals Division of American Machine and Metals, Inc. According to the manufacturers the machine offers design and control features which make it practical for short runs on different products as well as continuous production operations. Rapid settling rate is assured by machine's available centrifugal force of 2000 times gravity **PE4**



the Patterson Foundry and Machine Co. The blender has a diameter of 12 inches and a gross capacity of 0.5 cubic feet, the batch or working capacity is 0.31 cubic feet. It will handle materials up to a maximum density of 100 pounds per cubic foot. The blender unit is mounted on an aluminum frame with an integral electrical motor drive unit. **PE2**

## High Analysis Fertilizer

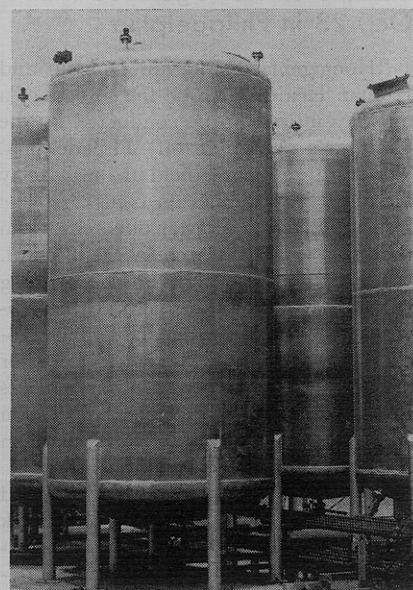
A new high analysis fertilizer has been introduced by the Nitrogen Division of Allied Chemical & Dye Corp. Trademarked Arcadian 12-12-12, the fertilizer is going to be produced in a new plant at South Point, Ohio. The product is in a granular, dust free form with free flowing characteristics. These features, the result of a chemical granulation, eliminate the clogging of farm distributing equipment and wind loss, which are fairly common complaints regarding finely ground fertilizers. The granules are within the range of 8 to 30 mesh.

The fertilizer is available in 80-pound bags and also bulk lots. **PE3**

## Fat Splitting Plant for Small Processor

A package type plant to make continuous fat splitting practical for the smaller processor has been designed by the Blaw-Knox Co.

The plant uses the Colgate-Emery process and has a rated capacity of 500 pounds per hour. Although designed as a low capacity unit, the manufacturers claim that high yields and low operating costs characteristic of larger units are obtained from the plant.



Typical installation of the storage tanks available in standard sizes from Alcoa

Packaged plants with capacities of 1,500 to 7,500 pounds per hour have been designed and produce high quality fatty acids and glycerin. The fat splitting column is 65 feet high and requires 25 square feet of floor space. Accessories require floor space of 10 feet by 15 feet and a ceiling of 16 feet. **PE5**

## Aluminum Storage Tanks

The manufacture of standard tanks for storage of materials at atmospheric or low pressures has been announced by the Jobbing Division of Aluminum Company of America. Previously all tanks were tailor made to customer specifications with materials ordered as needed.

Standard tanks are now available in capacities ranging from 5800 to 16,400 gallons and are of both horizontal and vertical types. All tanks, 10 feet in diameter, are made from 1/4 inch, welded 3-S aluminum alloy.

These standard tanks can be equipped with a 20 in. manhole. Standard welded neck connections are also available with small added cost. **PE6**

## Burundum not Borundum

The milling jars referred to on page 690 of the issue of August 5 are made of Burundum and not borundum. Burundum is a trade name of the U.S. Stoneware Co.

Use coupon, page 903, for further information