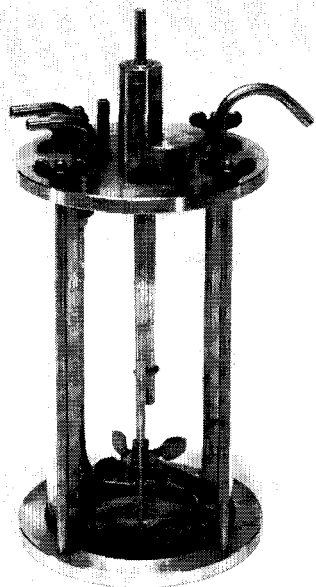


# NEW PRODUCTS AND EQUIPMENT

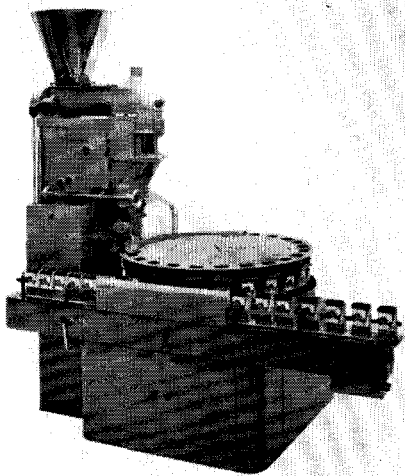
## Pilot Lab Fermenter



Five-liter stainless steel fermenter manufactured by New Brunswick Scientific Co. The apparatus is scaled down from larger models used in normal production operations. The fermenter has a basic design of three parts: a base plate equipped with four supporting studs, a 5-liter Pyrex jar, and a head which closes the jar. All metal parts are of stainless steel. The jar is sealed at the top with rubber gaskets **PE1**

## High Speed Hygroscopic Filler

High speed automatic filler features hydraulic vibrating mechanism which settles hygroscopic and fatty free-flowing powder materials such as milk powder, cake mixes, and various chemicals. The machine is capable of pack-



aging products in quantities from 4 ounces to 2 pounds at a rate of from 50 to 70 units per minute. Occupying 20 sq. ft. of floor space, the unit operates on 2.5 to 3 hp. **PE2**

## Conveyor for Dry or Moist Materials

A reciprocating conveyor designed to feed a constant volume of any dry or moist material from an overhead bin is available from the Hydro-Blast Corp. The unit is operated by plant air lines, and the only electric power required is for the operation of a solenoid air valve. Units of various capacities are available and the conveyors are adjustable over a wide capacity range. The manufacturers claim that operation is not affected by lumps or variations in the consistency of the material. **PE3**

## Seed Disinfectant Formulations

Two liquid seed disinfectant formulations have been developed by Du Pont. Intended for use on small grains, both formulations are a combination of phenyl and ethyl mercuric acetates.

Du Pont liquid 364 is a water soluble concentrate for use in slurry treaters, while the other preparation, Du Pont Liquid 244, is supplied in a ready mix form.

Both disinfectants were tested commercially in the spring wheat areas of Minnesota, Montana, and the Dakotas during the current season. Du Pont claims that these seed disinfectants will control soil and seed borne diseases when applied according to directions.

Both formulations are sold in drums of 5 and 30 gallons. **PE4**

## Improved Bactericidal Rinse For Food Plants

Klenzade Products Inc. has made several improvements in its sodium hyperchlorite bactericidal rinse for food plants. Active chlorine has been increased from 4.6 to 6.4%, an increase of one third. The manufacturer also claims that the bactericidal power of the rinse has been substantially increased by a reduction in the alkalinity. **PE5**

## Magnetic Stirrer for Vacuum, Pressure, or Atmospheric Work

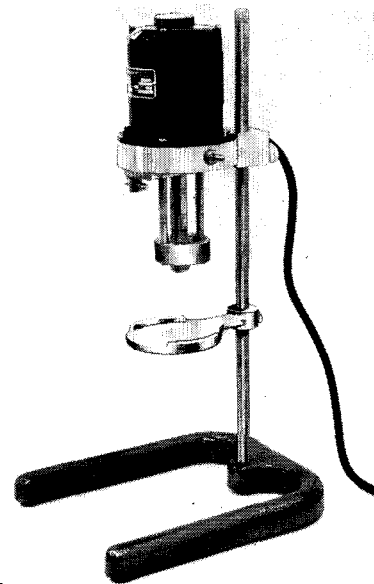
Scientific Glass Apparatus Co. has a magnetic stirrer available for vacuum, pressure, or atmospheric work. Liquids up to the consistency of glycerin can be agitated by the device.

The manufacturer claims that the design is unique in that the magnetic field is located above the reaction vessel proper, leaving the underside free for the application of heating or cooling equipment.

Two models of the stirrer are available. One vacuum, pressure model has a side connection for attachment of air line. The atmospheric model is provided without connection for air lines.

Both designs of the stirrer can be provided with either 6- or 8-pole dual magnets. The 6-pole type is recommended for stirring liquids in vessels up to 5-liter capacity; the 8-pole stirrer may be used for stirring liquids in vessels with a capacity up to 50 liters. **PE6**

## Centrifugal Wet Mill



Centrifugal mill designed by E. H. Sargent for the analytical reduction of oil-bearing seed samples. The mill is said to accomplish a great saving in processing time over existing dry grind methods. Samples can be ground to a limit of 200 mesh **PE7**

## Cartridge Type Demineralizer

A cartridge type demineralizer which will deliver demineralized water under pressure so that it can be piped to desired points is available from Barnstead Still & Sterilizer Co. The pressure unit is of the nonregenerative type, employing a replaceable resin cartridge. Rated to deliver from 5 to 25 gallons of water per hour in continuous flow. **PE8**

See coupon, page 583, for further information