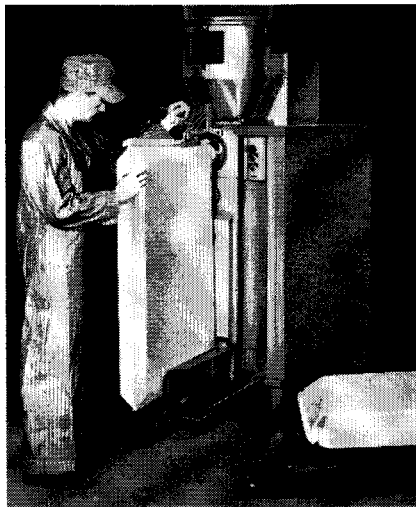


# NEW PRODUCTS AND EQUIPMENT

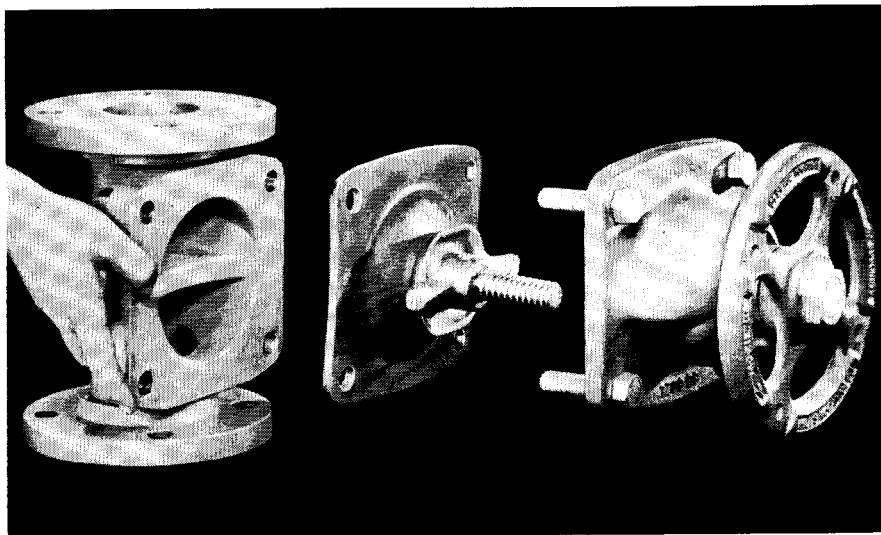
## Multiple Action Bag Packer



Auger-matic bag packer for packing granular and pelleted material has been redesigned to include a shaker which jolts each bag vigorously and repeatedly during the filling process. The manufacturers claim that the full fill feature of the bag packer eliminates the need for oversize bags to assure adequate fill of fluffy or fibrous material. The filler has an automatic scale which turns off the packer when the desired weight has been reached **PE1**

## Corrosion Resistant Light Weight Pipe Fittings

Exploded view of 3-inch-diameter rubber plastic pipe valve which results in a high degree of corrosion and contamination resistance for piping systems handling food products, sensitive chemical solutions, and other liquids destructive to ordinary pipe. The valve is the product of research by U. S. Rubber Co. and is made of a styrene copolymer called Uscolite. A complete line of 3- and 4-inch pipe fittings of the material is available. Previously the largest valves and fittings available were of 2-inch diameter **PE3**



## Separatory Funnel Eliminates Stopcock

A glass separatory funnel developed by Fischer & Porter Co. is claimed to eliminate lubrication and freezing problems. The valve of the new separatory funnel consists of a Teflon plug which turns on the surface of an unground section of glass tubing. The unit is adapted to centrifuging, and product contamination due to valve lubricant is avoided.

Various funnel sizes from 30 ml. to 2 liters are available in globe and cylindrical types. Parts of the funnels are interchangeable, and in the event of glass breakage may be inserted in a replacement funnel. **PE2**

## Stabilized Karl Fischer Reagent

A single solution Karl Fischer reagent for the determination of moisture is available from Fisher Scientific. The manufacturers say that this is the first time that the reagent has been readily available in a highly stable form. Stability tests during development of the formulation found that it was able to maintain its titer within convenient working limits for at least 1 year, yielding sharp and stable endpoints in electrometric titrations.

Advantage of the Karl Fischer reagent is that moisture determination can be

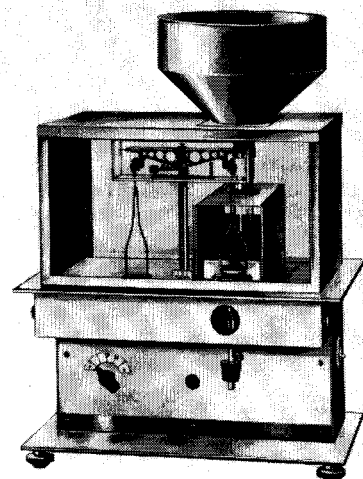
completed in minutes rather than the hours required by oven drying methods. The Fischer method is also used for determinations where volatility or decomposition of samples prohibits the use of the oven. **PE4**

## Continuous Level Indicator

The Belmont Level Indicator available from Thermo Instruments Co. utilizes a capacitive type sensing element which eliminates the need for moving parts of contact making electrodes. The level indicator is suitable for use with most nonadhesive chemicals, oils, condensed gases, and refrigerants. Operating range of the instrument is from  $-425^{\circ}$  to  $500^{\circ}$  F. and from high vacuum to 100,000 p.s.i.

Standard instruments provide for a 10-foot separation between the probe and equipment housing. However, up to 1000 feet of coaxial cable can be used to connect the sensing element with the recording equipment. **PE5**

## Filling Machine Dispenses Any Nonliquid Products



Universal weighing and filling machine manufactured by National Instrument Co. will automatically dispense and weigh nonliquid materials. Manufacturer says materials as divergent as powders, tablets, seeds, and candies are handled with ease. Device operates by means of a beam balance which automatically net weighs and dispenses products with an accuracy of 0.5% **PE6**

▶ See coupon, page 891, for further information ▶