

tent of the shipping container, thus eliminating mold and rust formations.

Plastic transparent bags are invading the domain of the tin can for processing and packaging food products. The blanched vegetables and other prepared foods are placed in a transparent envelope which is heatsealed and placed in cooking chambers where it is subjected to high temperatures and pressures. After the sterilization, the bags are removed and placed in printed folding boxes, wrapped in transparent cellulose when they are ready for merchandising.

The claim of the packaging expert is that due to the new kinds of containers packaged goods can be sold at as low a price as the old-fashioned unpackaged materials that sat around in barrels in the grocery store. The consumer is given the advantages of sanitary handling, uniform quality, regulated size and weight, often at a lower cost, as a by-product of new invention and design in the packaging industry.

*Science News Letter, March 16, 1940*

Danish fishermen have been warned not to use their radio senders in mine infested waters, because such senders have been known to induce electrical currents strong enough to explode mines.



**FOR CLEAN HANDS**

*Here is the latest trick in shoe polish. Squeeze the tube and the paste comes out through the brush so that it can be applied without smearing the fingers.*

**METALLURGY**

**Molten Metal Formed Continuously Into Rods**

**L**AATEST to join the increasing number of technologic processes to be performed continuously, instead of intermittently, is the casting of rods and tubes from molten metal.

After a relatively long period of development, continuous casting is applicable in principle to all metals and alloys, although most of the work has thus far been done on copper.

The equipment and process themselves are fundamentally simple, as described by an industrial bulletin issued by Arthur D. Little, Inc. The molten metal flows from a reservoir out of a water-cooled tube at the bottom. As the metal flows down the tube it solidifies into a rod, which is cooled by an accurately adjusted spray as it is continuously withdrawn. Exact control over all these operations is necessary for successful operation. The flowing metal always solidifies at the same point of the exit tube, and each part of the rod is formed under the same conditions.

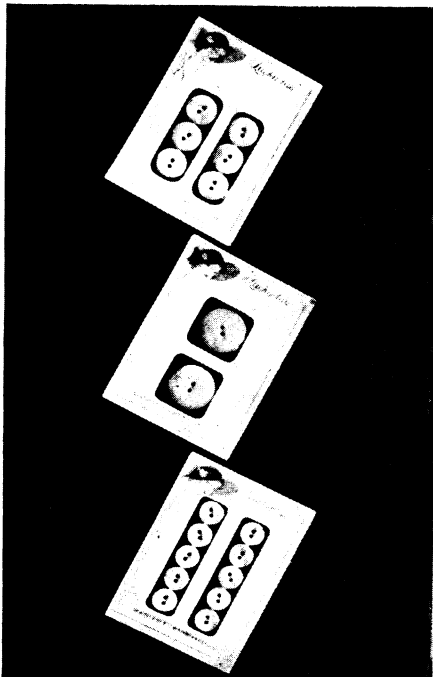
Higher quality of product is promised by the new process. There is no chance for components of alloys to segregate out, air and other gases in the molten metal are not trapped in the solid metal, producing flaws, and the crystals into which the solidifying metal forms are large.

Due to high quality, the use of continuously-cast rods, instead of the usual

ingots, is foreseen as the raw material from which wire is drawn.

*Science News Letter, March 16, 1940*

More than 31,000,000 pine seedlings have been planted by land owners in Florida in the past 12 years.



**NEW STYLE**

*No longer are buttons sewn on display cards. These are fastened on cards with layers of transparent Pliofilm and can be removed individually.*

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