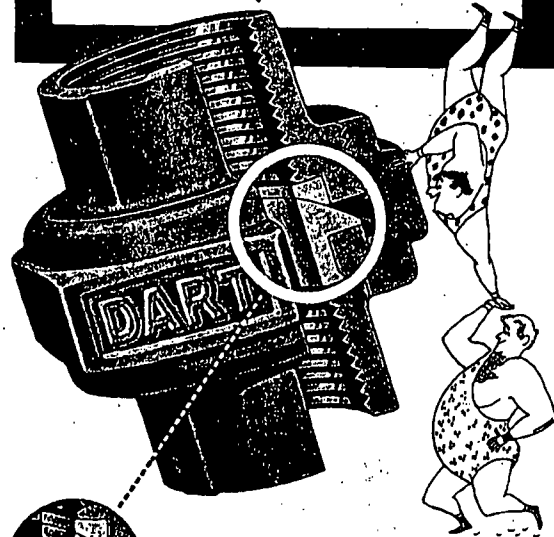


**You'll SAVE Muscles  
and Money with Darts!**



**This True Ball Joint Makes the Difference**

Dart seats are wider and spherically ground to a true ball joint. You get a *drop-tight* joint without excessive wrenching. Yes, and you can use Darts over and over again to cut your costs!

#### QUICK FACTS

- 2 BRONZE SEATS resist pitting and corrosion — stay serviceable year after year
- HEAVY SHOULDERS built to take severe wrenching
- NUT and BODY of practically indestructible, air-refined, high test malleable iron
- THREADS full, clean-cut and hard. They won't deform or strip

Be sure to say "Darts" to your supplier. They'll save you money and maintenance headaches over the years.



**DART UNION COMPANY**  
Providence 3, Rhode Island  
The Fairbanks Co. — Distributors  
Boston • New York • Pittsburgh • Rome, Ga.

**DART**  
UNIONS

#### More EQUIPMENT NEWS



**High-Temperature Thermometer**  
516 • Temp-Gard is a low-cost, easily operated thermostat for temperatures from 600 to 2000 F. Unit works on Inconel rod expands and contracts in surrounding porcelain tubing, actuating a microswitch. Control switch is 12 amps, and 125, 250 or 600 volts. Higher current or dc, the control can be a remote solenoid switch. Unit can be set for a manually set, optional temperature holding or shut-off. Holding temperature fluctuates from 3 to 4%, depending on calibration.

Calibrations available include 600-1200, 1200-1800, and 1400-2000 F. Make sure that the Inconel rod resists high-temperature steam and mixtures of steam and carbon dioxide. It also resists sulfuric acid and carburizing environments.

Maintenance is slight, replacement adjustments are easy to make, and unit is not affected by voltage fluctuations or vibration, manufacturer claims. Temp-Gard, 38 Normandy Rd., Plainfield, N. Y.



#### Air Vibrator

524 • New 2 in. piston diameter LS-10 air vibrator is easily portable. Cast male bracket fits snugly into female bracket, steps up unloading of materials with a tendency to pack down. Unit starts and stops instantaneously, is ideal for applications where one vibrator can serve several bins. Cleveland Vibrator Co., 2828 Clinton Ave., Cleveland, Ohio.

For more data on these items, see page 169. Identify your request with true name.

#### Centrifugal Pumps

547 • Each of three new models, V-1, VD and VE, is available in sizes from 1/2 to 5 hp, with several different port sizes and mounting brackets. Larger sizes available.



#### MACHINE MILESTONES... MEASURED IN OIL!

The impressive record of petroleum "firsts" listed above spans 87 years of industry's most spectacular progress. From the

first mineral oils for machines in 1866 to the first oils for Diesel engines, cars, planes—right

on up to correct lubrication for the world's fastest superliner—Socony-Vacuum has pioneered

the development of the products that have helped make these advances possible. Today,

this wealth of lubrication knowledge and experience is yours—to help boost your output, cut your

maintenance costs. Why accept anything less?

**SOCONY-VACUUM**

*Correct Lubrication*



SOCONY-VACUUM OIL COMPANY, INC., and Affiliates: MAGNOLIA PETROLEUM COMPANY, GENERAL PETROLEUM CORPORATION