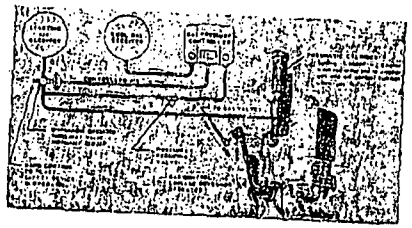
More EQUIPMENT NEWS

Begins on page 178



Automatic Fuel Switcher Eliminates Shutdowns

1010 • *Automatic fuel switcher for dual-fueled diesels eliminates shutdowns resulting from manual changeover during emergencies. Operating on gas with pilot oil or 100% oil, switcher places engine under control of governor with full travel at its best efficiency.*

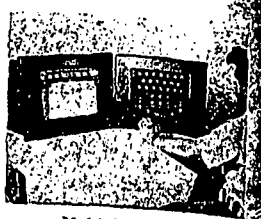
Switch acts immediately when gas pressure in main line drops below predetermined level, usually 25 psi. It closes gas metering valves instantly and shifts linkages that place fuel pumps under control of governor at setting required for load at that moment.

Until time failure occurs, metering valves remain under control of governor. At instant of failure, air pressure in pneumatic cylinder is released and plunger engages changeover linkages. This action closes metering valves, opens fuel pumps and transfers governor control to fuel oil system exclusively.

Unit can be set to different combinations of manual or automatic operation. It can record from one to three variables, and can be adapted to as many as 60 variables.

When gas supply is again normal, engine can be restored to gas under control of governor and automatic switching cycle is ready to be repeated.

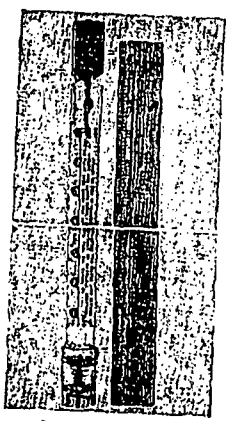
Worthington Corp, Harrison, N. J.



Multiple Recorder

1004 • *New instrument records in sequence the values of three variables at 20 different points. Any physical quantity for which a sensing element can provide an electrical output can be adapted to it, manufacturer states. Some of the variables that can be measured are current, power, strain, humidity, liquid flow, liquid level, speed, displacement.*

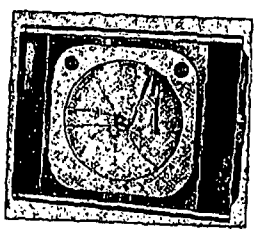
Hastings Instrument Co, Inc, Hampton, Virginia



Storage Tank Gage

1029 • *Fastened permanently to end of standard liquid storage tank measuring stick, gage obtains exact sample of bottom content of tank. Trip valve closes upon contact with tank bottom and permits sample to be raised. Parts are not affected by any petroleum product. Unit is guaranteed against breakage and leakage for one year manufacturer states.*

Visa-Test Sales Co, 1515 Alturas Dr, Burlingame, California



Program Controllers

1005 • *New controllers regulate temperature according to a predetermined schedule of changing values. Any desired program, such as heating, soaking and cooling can be maintained accurately, manufacturer claims. Plastic cam is cut to contour required. It can be interchanged easily with cams of different contour for different cycles. Bulletin P1255.*

Bristol Co, Waterbury 20, Conn.

Pipe Labels

1001 • *Vinylite plastic labels can be made up in any color, with any wording to suit the installation. User snaps them into place around the pipe. Manufacturer claims the plastic is resistant to most corrosive conditions.*

Wilmington Plastics Inc, 810 South Heald St., Wilmington 1, Del.

For more data on these items, use post cards p. 185. Identify your request with item number.

Preheat Calculator

1049 • *Calculator uses slide-rule principle to determine preheat temperature required when welding hardenable steels. Calculates preheat in simple steps based on chemical analysis and thickness of the steel.*

Lincoln Electric Co, Cleveland 17, Ohio



Zero Speed Switches

1028 • *Zero speed switches featuring low speed control will actuate signal circuits on increasing shaft rotation of 15 rpm and decreasing speed of 8 rpm. Units are self-lubricating, have hydraulically-driven mechanism and magnetically coupled electrical contacts. They can be driven at speeds through 5000 rpm at temperatures from −20 F to 250 F. Applications include use as conveyor controls and interlocks, operation of braking equipment and adaptation as plugging switches.*

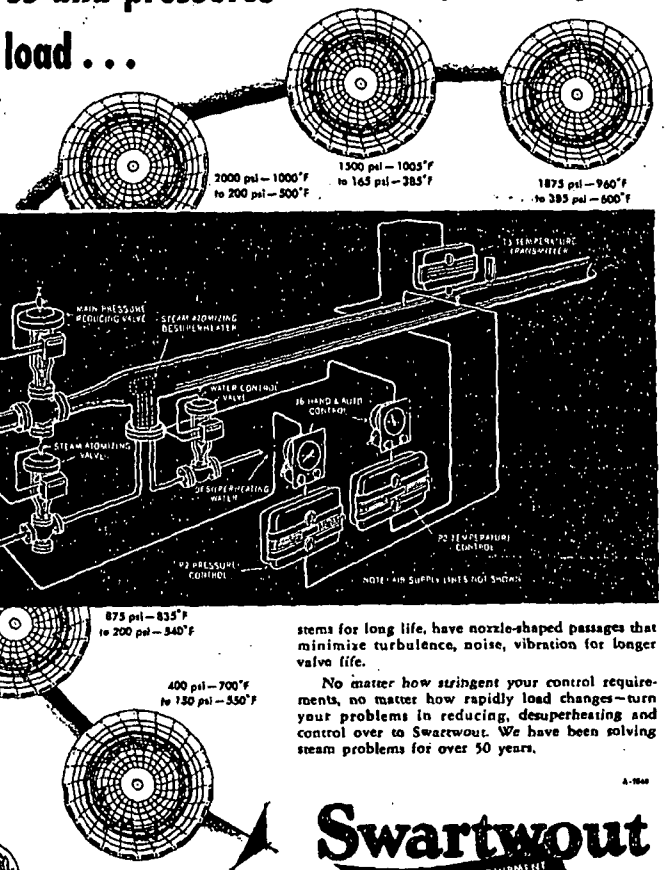
Winterburn Mfg Co, Putnam, Conn.

(*Continued on page 182*)

Swartwout RDC Systems maintain accurate control of temperatures and pressures under any load . . .

Performance of Swartwout RDC Systems—Reducing, Desuperheating and Controls—is precise and stable under *any rate of change of load of any magnitude.* The pressure and temperature reductions shown are taken from representative Swartwout RDC installations.

In most installations, pressure is held to within ±½#, temperature to within ±3°F or less. Temperature control unit provides wide throttling range with automatic load compensation for close control. Steam atomizing desuperheater gives narrow-angle dispersion of cooling water outside atomizing head. Swartwout reducing valves, with large-diameter stems for long life, have noozle-shaped passages that minimize turbulence, noise, vibration for longer valve life.



No matter how stringent your control requirements, no matter how rapidly load changes—turn your problems in reducing, desuperheating and control over to Swartwout. We have been solving steam problems for over 50 years.

A-1048

Swartwout

POWER PLANT EQUIPMENT
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