

CLIMB in confidence...

Give your employees another safety plus — install Hendrick Shur-Site Treads for stairs and fire escapes. You cut down accident rates and improve working conditions with Hendrick treads because they afford a non-slipping, level walking surface — have 90% open area, do not obstruct light and ventilation.

A safety-first, heavy flanged nosing-bar provides extra reinforcement and plainly marks the edge of each step. Bars are square edged, uniformly spaced for long, sustained life.

Ready to bolt directly to stair stringers, they're furnished in standard sizes or in special widths and lengths to meet specific requirements. For more complete data write Hendrick direct.



Hendrick MANUFACTURING COMPANY

46 DUNDAFF STREET, CARBONDALE, PA.
Sales Offices in Principal Cities • Perforated Metal • Perforated Metal Screens • Wedge-Shot Screens • Architectural Grilles • Milco Open Steel Flooring • Shur-Site Treads • Armorgrids

Only 3 MOVING PARTS in the HENSZEY FLOW INDICATOR

There are only three moving parts in the Henszey Flow Indicator—the Pointer, the Lever Shaft and the Plunger. And that means longer wear, continued service, and consistent accuracy.

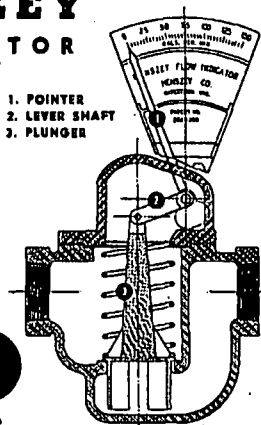
The liquid column the indicator below the plunger, forcing the plunger upward, rises in the side of the plunger along the liquid to pass. Increased flow will increase the lift, exposing a greater area of the slots, so that the life of the plunger is in direct proportion to the rate of flow of the liquid. The graduations on the dial are uniformly spaced from one end to the other and read direct — without correction. The entire instrument can be installed right in the pipe line.

For details consult Sweet's Catalogs or write:

HENSZEY COMPANY
Dept. D-7, WATERTOWN, WISCONSIN

HENSZEY FLOW INDICATORS

Continuous Blowdown • Distillation Systems • Heat Exchangers
Feed Water Meters • Solter Feed Regulators • Proportioning Valves
also MILK EVAPORATORS and PRE-HEATERS



1. POINTER
2. LEVER SHAFT
3. PLUNGER

More POWER NEWS

World's Largest Generators Go to River Rouge Plant

TWO GIANT STEAM TURBINE GENERATORS, the largest in the world—will boost General Electric Co. and Westinghouse Electric Corp. will each supply one of the 20,000 kw. The big machines are the first that will be installed in Detroit Edison's new River Rouge Plant. Construction is set to begin in January 1954.

These generators will be of the compound, double-flow, reheat design. Each will produce nearly a million and three-quarters of a pound of steam an hour and can deliver to the turbine at a pressure of 2000 psi.

Each of the new generators will produce enough electric power to supply more than 700,000 people. More than 830,000 tons of coal—enough to heat 105,000 average homes—will be needed each year to supply steam for the turbines. More than 140,000 gpm of water will be used to cool and condense the exhaust steam. This consumption approximates that of a city of 135,000.

Automation Exhibit Starts Country-wide Tour

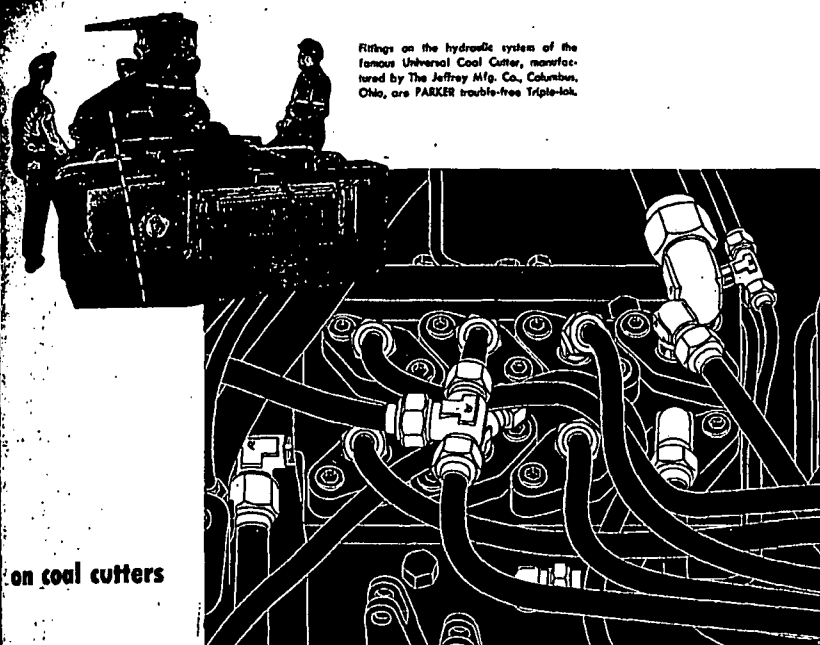
AUTOMATION, one of the hottest industrial subjects today, has been put on wheels by Westinghouse Electric Corp. As the theme of a unique display-coach developed by the standard control division, it is being taken directly to design engineers, maintenance people and supervisory personnel in the machinery manufacturing industry throughout the country.

A mobile combination of the best features of an auditorium and exhibit hall, the coach shows how common electrical devices such as line starters, control stations, motors and circuit breakers—the "nuts and bolts" of any electrical system—can be used to achieve successful automation.

Westinghouse takes the coach to the motorist's plant and runs consecutive 14-day programs for groups of ten to twelve engineers at a time. Highlighting the industry portion are movies featuring Burnham Finney, editor of *American Machinist*, and Tell Berna, general manager of the National Machine Tool Builders Assn. on the subjects of "Automation Electronics" and "Automation Mechanics."

After the first 20-minute portion of the meeting informal presentations are given at each display—many of which are simulated to simulate actual factory conditions. These displays are arranged so the engineer gets a progressive picture of the best practices of automation today.

The coach is starting its country-wide tour in the mid-western sector and will make some 350 plant visits over a period of 16 months. The custom-made body of



Fittings on the hydraulic system of the famous Universal Coal Cutter, manufactured by The Jeffrey Mfg. Co., Columbus, Ohio, are PARKER trouble-free Triple-Lok.

on coal cutters

Tube it up...Forget it...WITH PARKER TROUBLE-FREE TRIPLE-LOK FITTINGS

Few machines get rougher use than coal cutters in coal mines. Subjected to severe vibration, caused by the action of the cutting head, and operating under the most adverse conditions, all parts must be ruggedly built, including the hydraulic system.

You'll find Parker Triple-Lok Fittings on coal cutters and many other machines used in rough, rugged service because they are leakproof under the severest conditions of vibration, elevated tem-

peratures, high pressures and repeated assembly. Parker Fittings meet the specifications of the A.S.M.E. Code for Pressure Piping, as well as J.I.C. and S.A.E. standards.

So tube it up and forget it... with Parker Triple-Lok Fittings. Ask your Parker Distributor for Tube Fitting Catalog 4300, or write The PARKER Appliance Company, 17325 Euclid Avenue, Cleveland 12, Ohio.

This does it



Triple-Lok... 2-piece flare fitting famous for its ease... the easiest way to install tubing systems. Made in brass, steel, stainless steel, aluminum alloy.

Precision Mark of



Leakproof Tube Fittings

Parker

TUBE FITTINGS • VALVES • O-RINGS.
Plants in Cleveland • Los Angeles • Eaton, Ohio • Berea, Ky.