



FLEXIBILITY ARMED AGAINST ABRASION

Penflex Tubing provides strength and flexibility for air conveyor...durability to withstand abrasion.

Copra, thousands of tons of this tough, dried kernel of the coconut to be unloaded in West Coast ports. Huge pneumatic conveyors were the answer, but the tubing used for sucking the copra out of the holds of the ships had to be flexible for changing position... tough and armored to withstand terrific abrasion.

Penflex "Flexineering" had the answer! Lengths of Penflex full interlocking galvanized steel flexible #20 heavy duty hose (8" and 10" I.D.) were installed. This Penflex product answered every requirement—provides maximum flexibility for free movement of hose in hold, absorbs vibration from machine, takes up movement of ship due to rough water and rise and fall of tide.

Penflex "Flexineering" (the science of engineering each type of flexible metallic tubing to your particular problem) can help you solve many problems of maintenance, production and product design.

Penflex manufactures a complete line of 4-wall interlocked flexible metallic hose from 1/2" diameter to 30" diameter. Also, seamless welded flexible tubing from 5/32" diameter to 2" diameter, automatic barrel fillers, rivet passers, and hose for tar, asphalt, laundry presses, steam, diesel installations, etc. We offer our engineering service and products to improve your production. For further information on the above case of unloading write to...

PENNSYLVANIA FLEXIBLE METALLIC TUBING COMPANY

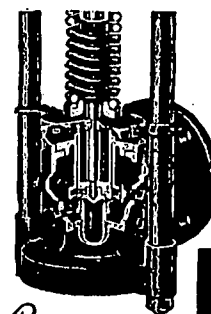
7238 Powers Lane

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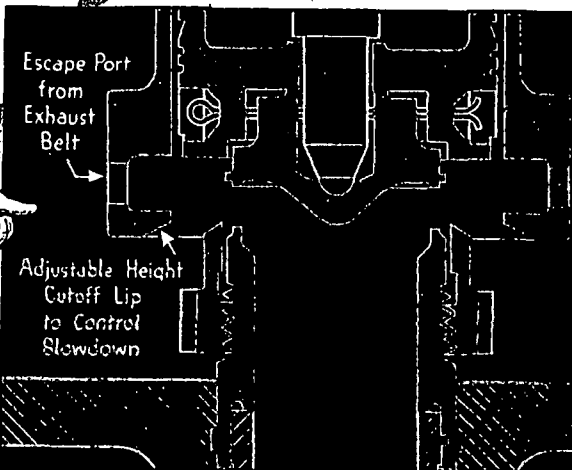
Penflex... HEART OF INDUSTRY'S LIFE LINES

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We Studied Safety Valve CAPACITY

—Here's what we found out about VOLUME CONTROL



We found... that there's a lot more to "full capacity" than a full bored nozzle and high lift. Ability to pass steam and ability to control it are two entirely different things.

We found... that the first step toward control is to get rid of turbulence, and that by guiding the flow over properly designed, smooth machined surfaces, we could reduce turbulence to a negligible minimum.

We found... that the steam passing through a full bore exerts tremendous lifting power, tending to keep the valve open long after the overpressure has been relieved... but... when part of this force is spilled through

an adjustable exhaust belt, the valve can handle full volume and still reset promptly.

To you... this high relief capacity means fewer valves to buy—fewer valves to service. In one actual installation, 5 Foster 38-Sv's replace 12 "conventional" safety valves of the same nominal size. Other guaranteed advantages are... tight seating... consistently accurate popping... minimum blow-down, which can be held to as little as 1%... and extremely low maintenance.

For full details on the design and construction features that enable this valve to outperform any other safety valve, get in touch with your Foster Representative or with us direct.

FOSTER ENGINEERING
Company

106 MONROE STREET • NEWARK 1, N. J.

Visit the THIRD NATIONAL INSTRUMENT EXHIBIT at Convention Hall, Philadelphia, Pa., September 18-19, 1948. See our display in Booth 442.

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