

**WHEN
STICKLE EQUIPMENT
GOES TO WORK FOR YOU
IT WILL MAKE
A BIG DIFFERENCE
IN OPERATION
RESULTS**

- FUEL CONSUMPTION WILL BE REDUCED** Based on results in a majority of installations, a Stickle Differential Drainage and Boiler Return System—a self-contained closed pumping system—should reduce your fuel consumption about 15 per cent. The saving is seldom less, frequently greater, depending on conditions. Minimum results are predetermined and guaranteed.
- BOILER CAPACITY WILL BE INCREASED** Boiler capacity will show increase in ratio to decrease of fuel consumption. Boiler load is reduced, and higher and more uniform operating pressure maintained. Condensate, returned to boilers, under pressure, at temperature only a few degrees below that of steam at operating pressure, is 85 per cent, or more, of boiler supply.
- PRODUCTION VOLUME WILL BE GREATER** To higher and more uniform working pressure the Stickle System adds the two other requisites for effective performance of processing units: Dry steam and positive drainage. Processing units kept free of condensate and filled constantly with live dry steam operate consistently at, or near, their potential production capacities.
- QUALITY OF PRODUCT WILL BE IMPROVED** Factors essential to high production volume are equally important for quality of output. Whether processing relates to reduction of food products, drying paper, producing textiles, or laundering operations, the tempo for production efficiency is also the tempo for desirable quality. Stickle Equipment helps to attain both.

ASK FOR BULLETINS

Executives who desire to learn more about the Stickle Differential Drainage and Boiler Return System are invited to request a copy of Bulletin No. 250. Those interested in a drainage problem only may secure helpful information from Bulletins Nos. 113, 315, 415 and 515. If problems of steam regulation are uppermost, Bulletins Nos. 235 and 435 will be helpful. For practical information on heating and purifying boiler feed water, ask for Bulletin No. 117. Bulletins mailed promptly on request.

STICKLE STEAM SPECIALTIES COMPANY
2265 Volley Avenue, INDIANAPOLIS 18, INDIANA

Successfully Serving
for More than 40 Years
Paper Mills, Food
Processors, Textile and
Laundering Mills, and
Other Manufacturers
Using Steam
for Industrial Processing

**STICKLE
DRAINAGE & CONTROL
EQUIPMENT**

STICKLE DIFFERENTIAL AND BOILER RETURN SYSTEMS •
STICKLE OPEN FLOAT STEAM TRAPS • STICKLE REGULATING AND
REDUCING VALVES • STICKLE OPEN COIL FEED WATER HEATERS
AND PURIFIERS • STICKLE OIL AND STEAM SEPARATORS
STICKLE TEMPERATURE CONTROLLERS AND OTHER SPECIALTIES

field representative of a reliable leather manufacturer should be asked to inspect the belt.

5. The load of 275 kw appears to be somewhat high for a 3-ply belt, 28 inches wide. This amounts to about 13 hp per in. of belt. An over-riding belt would reduce the load per in. of belt and should reduce maintenance cost.
Piney River, Va. I A BUTCHER

Clean and Wax the Belt

STICKY BELT DRESSING is not the proper solution for slippage of a heavy leather belt. Neither is mere surface slickness of a driving or driven pulley a fundamental cause of slippage. Common belt dressing eventually destroys the true gripping surface, while a smoothly polished pulley contributes greatly to long belt life.

If a belt has proper tension, slippage under load is caused by its internal properties or the condition of its gripping surface. Surface cracking, caking of old belt dressing on the surface or running the belt with the flesh side against the pulleys are examples of surface conditions that cause slippage. Loss of pliability, oil or grease impregnation and a too-thick belt for small pulleys are examples of internal conditions that may cause slippage even if gripping surface is ideal.

A rider belt or rope is helpful only if slippage of the main belt is caused by stiffness or too-heavy ply. The benefit of a rider is small if slippage is caused by poor gripping surface. If a once-suitable belt begins to slip excessively, a better method is to recondition it.

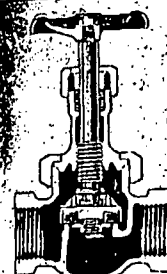
To restore a slipping belt to better gripping condition, both internally and externally, turn it over on its pulleys and wash both sides with soapy water and a scrub brush. Scrape off any caked substance with a case knife or other dull instrument. Work the suds well into the leather, then rinse thoroughly with warm water.

While the belt is still damp, but not too wet, start it slowly under light tension. With the rounded end of a piece of hardwood, such as a baseball bat, press the belt firmly against the larger pulley. Rest the piece of wood on a sawhorse. As the belt moves between the wood and pulley, the surface fibers are smoothed and aligned. Any excess soap not removed by the rinse water is pressed out. This operation helps dry the belt.

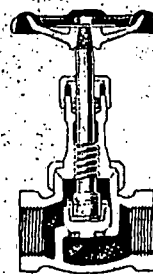
When the belt is completely dry, increase its speed and tension and exert greater pressure against it with the wooden instrument. Avoid pressing against any lacings as they pass. When the leather begins to show a glossy sur-

BRONZE

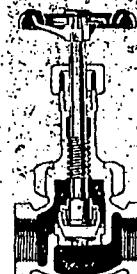
**GLOBE, ANGLE, GATE and CHECK VALVES—
EACH ONE PROVED DEPENDABLE FOR LOW-COST FLOW CONTROL!**



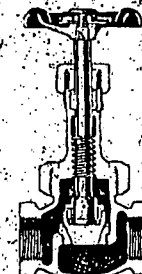
Union Bonnet Globe (or angle). With renewable, interchangeable discs for general services.



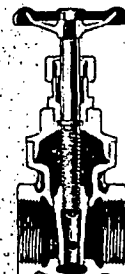
Union Bonnet Globe (or angle). Discs may be reground without removing valve from line. For occasional throttling.



Union Bonnet Globe (or angle). Semi-plug type for frequent throttling service. Renewable copper nickel alloy disc and seat ring.



Union Bonnet Globe (or angle). Full plug type for severe throttling service. Renewable copper nickel alloy disc and seat ring.

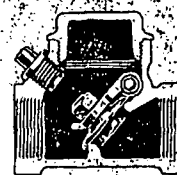


Stationary Stem Gate. Solid wedge renewable. Wedge can be reversed if one side becomes worn.



Rising Stem Gate with double disc. Disc easily assembled or taken apart, yet cannot work out of place.

SHOWN HERE are some of the numbers in the R-P&C line of high quality bronze valves. R-P&C also make iron and steel globe, angle, gate and check valves—iron cocks and Lubro-tite gate valves—Bar Stock valves of bronze, carbon steel and alloy steels—cast steel fittings. Get in touch with your Reading-Pratt & Cady Distributor.



Swing Check Valve. Has renewable disc, regrounding seat. Disc free to rotate, thus distributes wear uniformly.

ACCO

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AMERICAN CHAIN & CABLE**

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