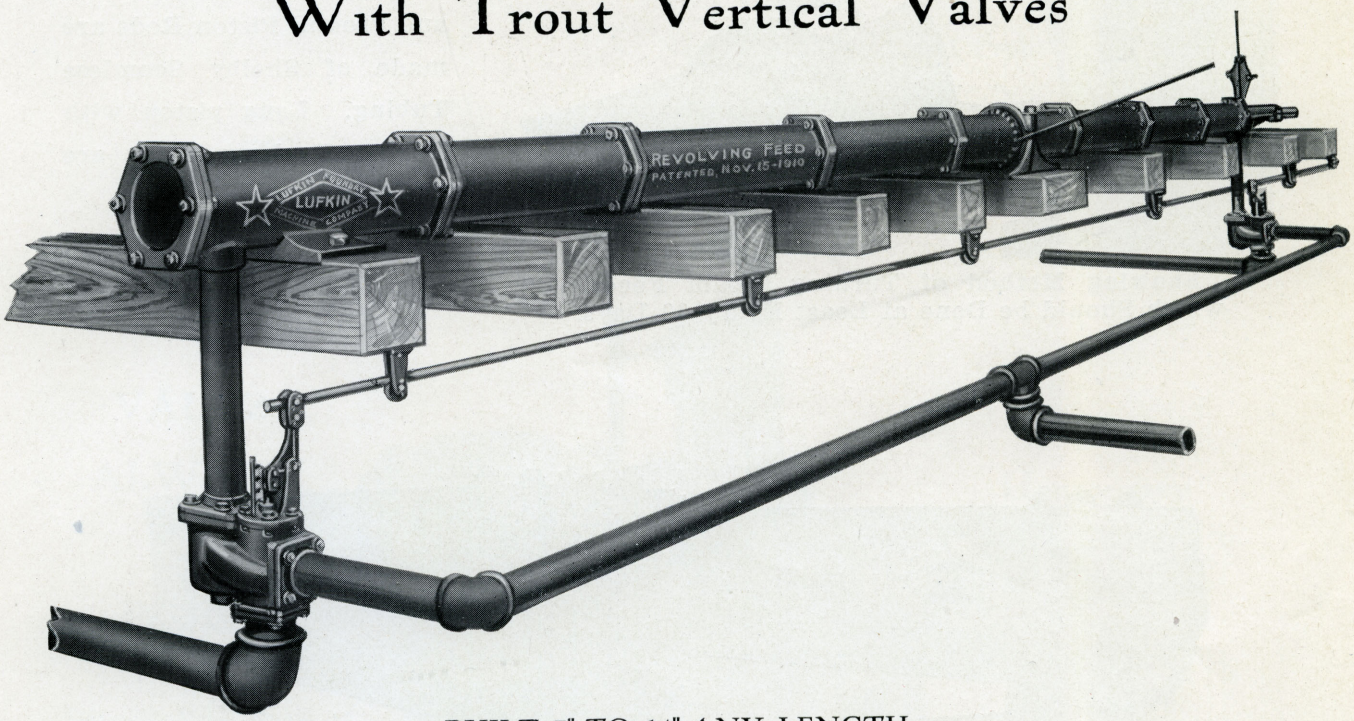
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BULLETIN No. 3

LUFKIN FOUNDRY & MACHINE COMPANY

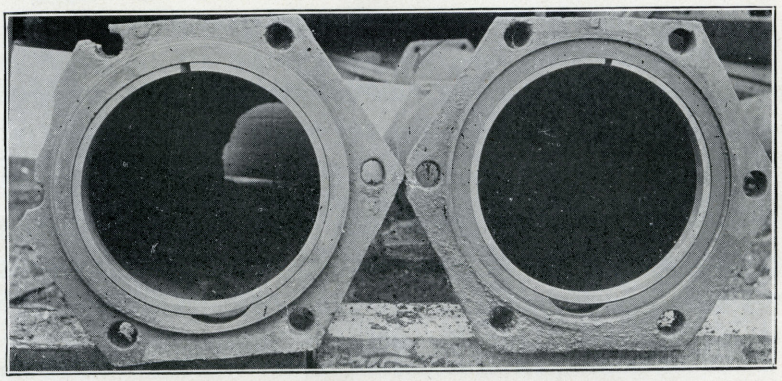
Revolving Steam Feeds

With Trout Vertical Valves



BUILT 7" TO 14" ANY LENGTH

The revolving feature of this Feed is one of the greatest improvements since the Steam Feeds came into use. The entire cylinder (except end sections) may be revolved to six different locations, allowing even wear on cylinder, preventing "grooving" by the piston rods, which is bound to occur, especially in long feeds. The life of this Feed is at least six times as long as an ordinary Feed.



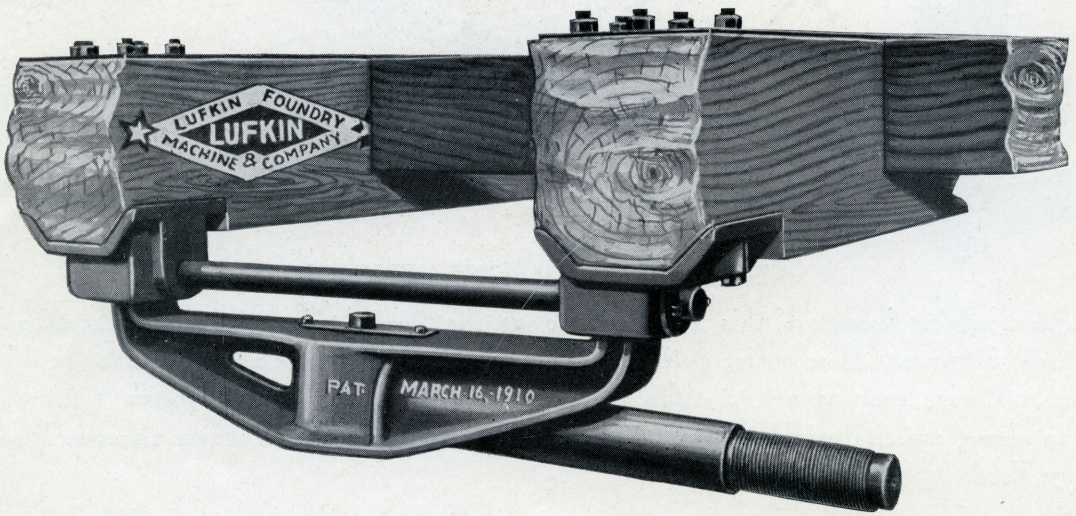
"Grooved" after a year's run. Rings are set in to show wear.
This can be avoided by using our Revolving Feed

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Showing Method of Turning Steam Feed, which Should be Done at Least Every 60 Days.

Our Steam Feed Cylinders are all extra heavy, with Hexagon Flanges. All joints are male and female and ground Piston Rods are made of Shelby Seamless Tubing. Long piston with Durbar Packing Rings are furnished.



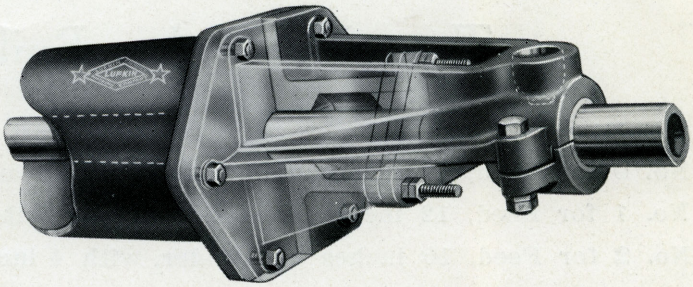
Non-Breakable Universal Bracket, All Steel.

This Bracket "pulls and pushes" on each girt of the carriage at the same time instead of only one girt as in other makes. It has a 2 inch shaft to pivot into steel brackets bolted to girts. The rod connection pin is 2 inches in diameter and sets into a steel disc which may be raised or lowered to allow for the wear on carriage wheels, track, etc.—thus always keeping rod in perfect alignment with stuffing box and steam feed cylinder. We have a great many in use and so far none has ever been broken.

We also make universal all steel brackets of various kinds and can fill any requirements.

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Self-Oiling Rod Support is furnished on all our feeds. They relieve the stuffing box and packing from excessive wear. It is adjustable to take up wear of rod.

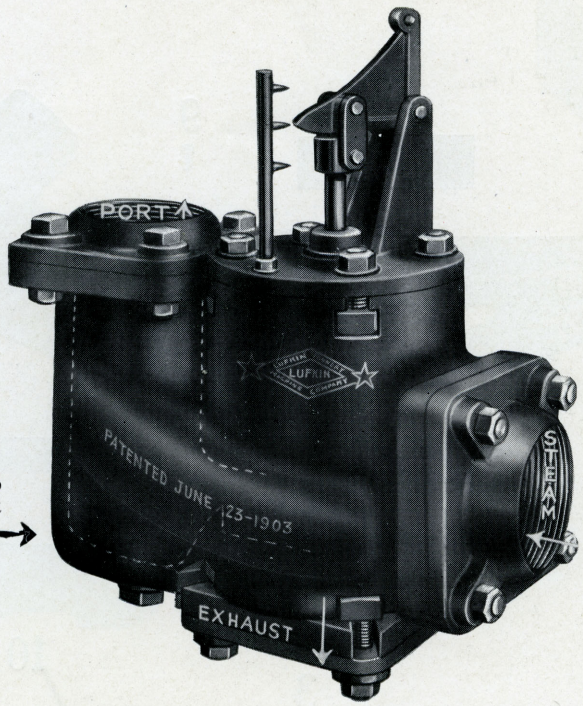


New Rod Support and Front Head.

Trout's Vertical Valves

VALVE
ALWAYS
SET
RIGHT

Note—Trap or pocket to catch pieces and prevent them getting into valve.



Unnecessary
to
Take Apart
to
Set Valve

Being **Vertical** it is **Self-Draining.**

The **Exhaust** being mostly water does not pass through the valve piston, consequently it **does not kick,** being **absolutely balanced.**

It is a **Safety Valve,** being vertical the **valve** falls by gravity (should the connections break) **shutting off the steam.**

The Trout Valve will enable you to **accomplish more work** with **less steam** with the same size feed **than any other valve ever built.**

It puts new confidence into the sawyer, **new life** and **action into the carriage** and **more money** into the **owner's pockets.**

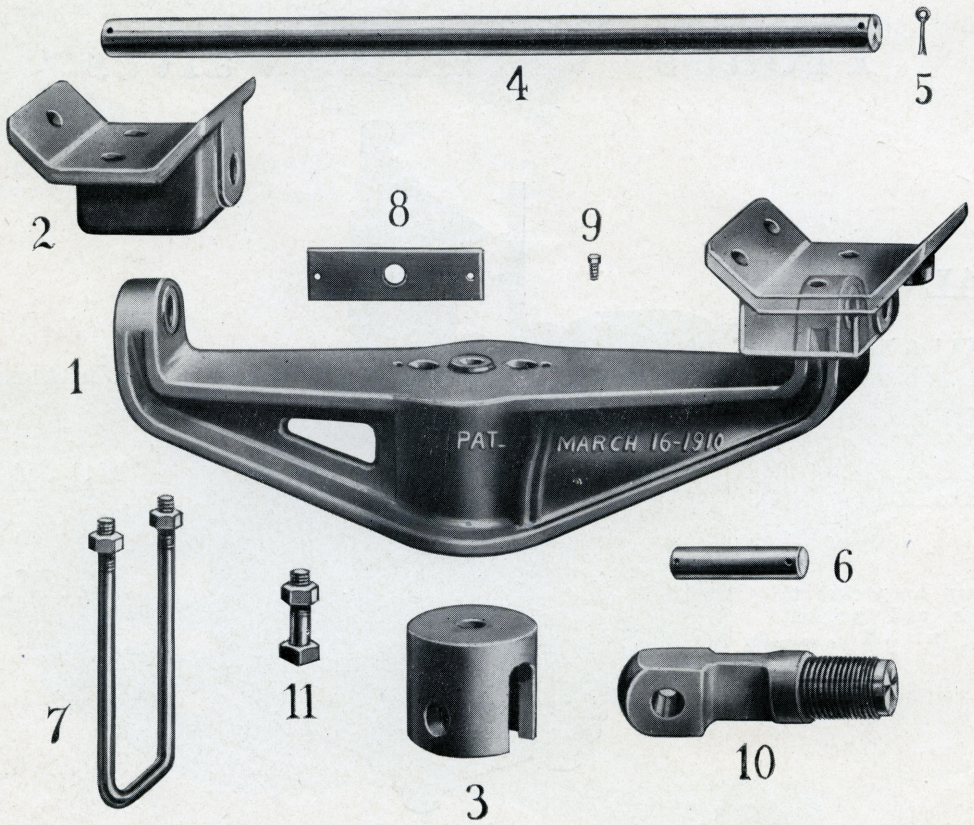
The **Great advantage** is its **easy working without leaking steam** which with the ordinary valve is a source of great loss of power in most plants.

Every Valve is thoroughly tested under steam before leaving our works.

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Trout Valves Are Built in Four Sizes

No. 0 for Feed, 14 inches diameter, having 6 inch steam and 7 inch exhaust ports.
No. 1 for Feed, 12 inches diameter, having 5 inch steam and 6 inch exhaust ports.
No. 2 for Feed, 10 inches and under, with 4 inch steam and 5 inch exhaust ports.
No. 3 for Feed, 8 inches and under, with 3 inch steam and 4 inch exhaust ports.



Repair List for Universal Brackets

1. Swing Bracket.
2. End Plate.
3. Joint Block.
4. Fulcrum Rod.
5. Cotter Pin.
6. Rod Pin.
7. Stirrup Bolt.
8. Lock Plate.
9. Lock Bolt.
10. First Joint of Rod, Give Length?
11. Socket Bolt.