

## DIRECTIONS.

**TO TAKE VALVE APART:**—Use the key to unscrew set-screw in fulcrum arm T, take out arm T and lever then take off nuts on cap N, and remove same. Release load on spring by loosening jam-nut F and bolt E, then the bonnet K can be taken off by means of removing the several nuts, which hold same to body part of valve, also removing the two lock-nuts on stem above bolt E.

**TO CHANGE THE LOAD ON THE SPRING:**—It is not necessary to remove bonnet K, but only the cap N, which will permit of access to nut F and bolt E. By loosening nut F and turning bolt E up or down, the load on the spring can be decreased or increased accordingly. After the proper adjustment has been made, the bolt E should be secured by tightening the jam-nut F.

**TO REGULATE POP:**—The pop or action of the escaping steam is regulated by the externally threaded ring A in the base of the valve, which is easily accessible without taking valve apart, and is held securely in place when set, by means of set-screw D, on the side of valve body. If when the valve pops it does not release the pressure of the boiler enough, turn ring A up (farther to the valve disc), but if in popping it reduces the pressure too much, then turn ring A down (further from valve disc.) When the desired adjustment is gained, secure the ring by means of the set-screw D; whenever adjustment of bolt E is changed, the popping ring must also in most cases be readjusted suit.

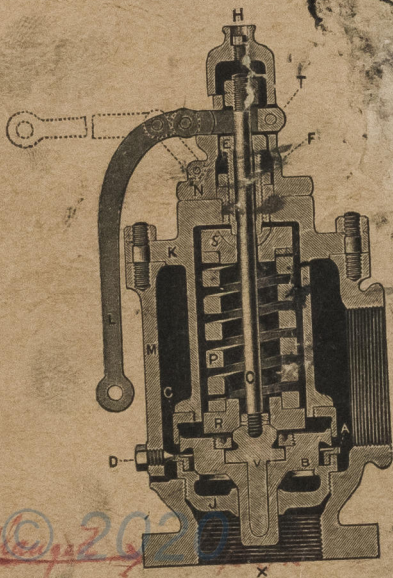
**TO INSURE PROPER WORKING,** Pop Safety Valve should be attached directly upon the boiler, or as close to same as possible; otherwise, the connecting pipe should be at least one size larger in diameter than the valve. If possible, avoid the use of elbows in pipe between valve and boiler.

**CAUTION:**—Before attaching valve blow out pipe and the use of too much lead or pipe grease. Valve is sensitive and any foreign substance lodged in it will prevent its perfect working.

Lunkenheimer Impro

# Pop Safety Valves

Patented



Manufactured by

The Lunkenheimer Company  
Cincinnati, Ohio, U. S. A.