



# UNITED STATES PATENT OFFICE.

JOHN DEMAREST, OF MOTT HAVEN, NEW YORK, N. Y., ASSIGNOR TO THE  
J. L. MOTT IRON-WORKS, OF NEW YORK CITY.

## IMPROVEMENT IN STOP-VALVES.

Specification forming part of Letters Patent No. **157,800**, dated December 15, 1874; application filed  
October 24, 1874.

*To all whom it may concern:*

Be it known that I, JOHN DEMAREST, of Mott Haven, New York, in the State of New York, have invented a new and Improved Stop-Valve; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which the drawing is a longitudinal section.

A represents an inlet, and B an outlet, pipe, between which is placed a hand-operated ring-grooved valve, E, packed by a band, H, and having the handled stem F, which works in a water-tight packing, and is held at different adjustments by a screw, G. So far there is no novelty of idea or in the construction of the parts named. I make the pipe B with an enlargement or seat, D, and construct the valve E at the upper end with a large flange, *e*, that cannot pass the seat D, while on the lower end is a smaller flange, *e'*, that readily fits

down in the narrow throat of said pipe. By this relative construction of pipe and valve the band H is carried down by the piston, so that it remains between the valve-body and the pipe, making a perfectly water-tight joint. When, however, the piston is withdrawn, the lower flange *e'* raises this packing-band, and allows it to clasp the body of valve.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of annularly-grooved valve E and pipe B, the former having a large upper and a comparatively small lower flange, while the latter has an enlargement or seat, D, with packing-ring H, as shown and described, for the purpose specified.

JOHN DEMAREST.

Witnesses:

T. B. MOSHER,  
ALEX. F. ROBERTS.