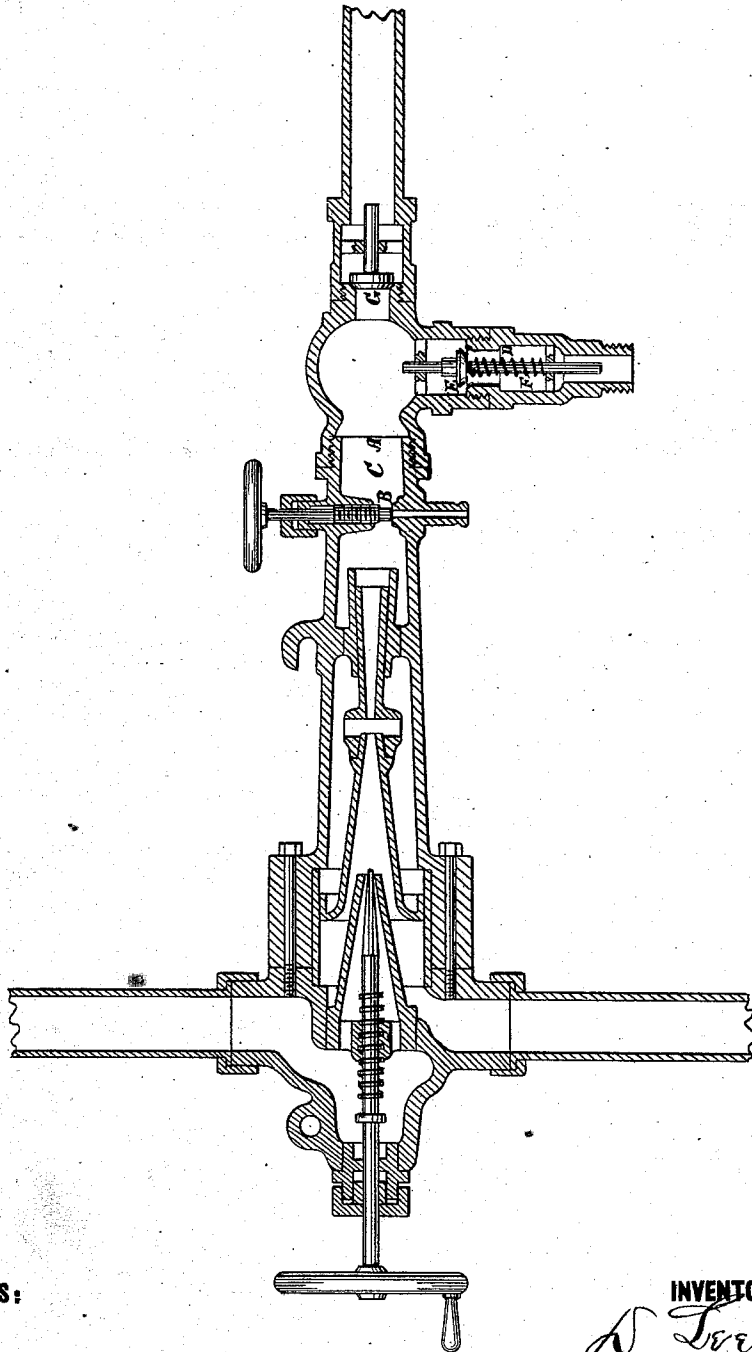


D. LEES.  
Attachment for Injectors.

No. 159,587.

Patented Feb. 9, 1875.



WITNESSES:

*G. P. Dietrich*  
*A. F. Perry*

INVENTOR:

BY

*D. Lees*  
*Wm. H. L.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

DAVID LEES, OF BIRMINGHAM, ASSIGNOR TO HIMSELF AND S. C. STEWART,  
OF TYRONE FORGES, PENNSYLVANIA.

## IMPROVEMENT IN ATTACHMENTS FOR INJECTORS.

Specification forming part of Letters Patent No. **159,587**, dated February 9, 1875; application filed  
October 10, 1874.

### *To all whom it may concern:*

Be it known that I, DAVID LEES, of Birmingham, in the county of Huntingdon and State of Pennsylvania, have invented an Improved Attachment for Injectors for Steam-Boilers, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

In the sectional elevation of drawing is shown the well-known ejector, having nozzle A and overflow B, together with the check-valve G, (in the pipe that leads to boiler.) Between this valve and nozzle A, I have introduced a lateral tube, D, in which is placed a valve, E, held inwardly and away from its

seat by a spring, F, until the pressure of steam is sufficient to close it. Until this occurs, the water of condensation is afforded an outlet, and thereby the starting of the injector greatly facilitated.

What I claim is—

In an overflow and delivery attachment for injectors, the inwardly-opening spring-pressed valve E, in combination with the outwardly-opening valve G, as and for the purpose specified.

DAVID LEES.

Witnesses:

JOHN OWENS,  
A. P. KINNEY.