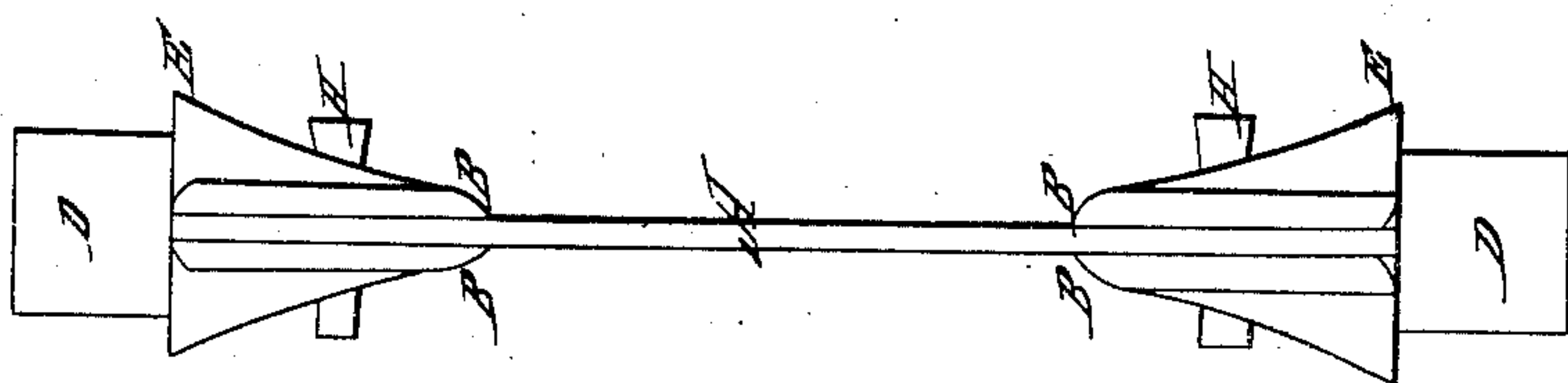
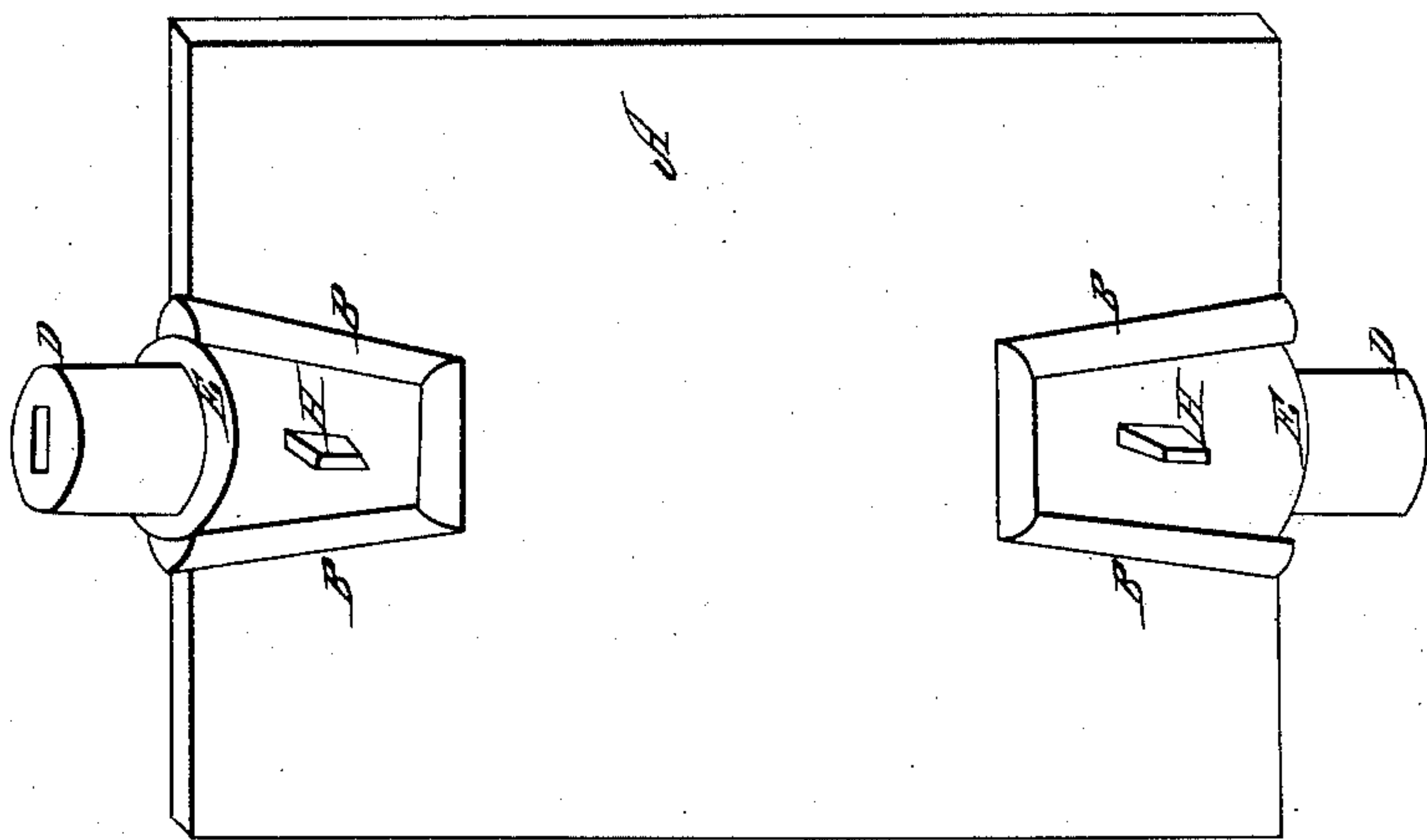
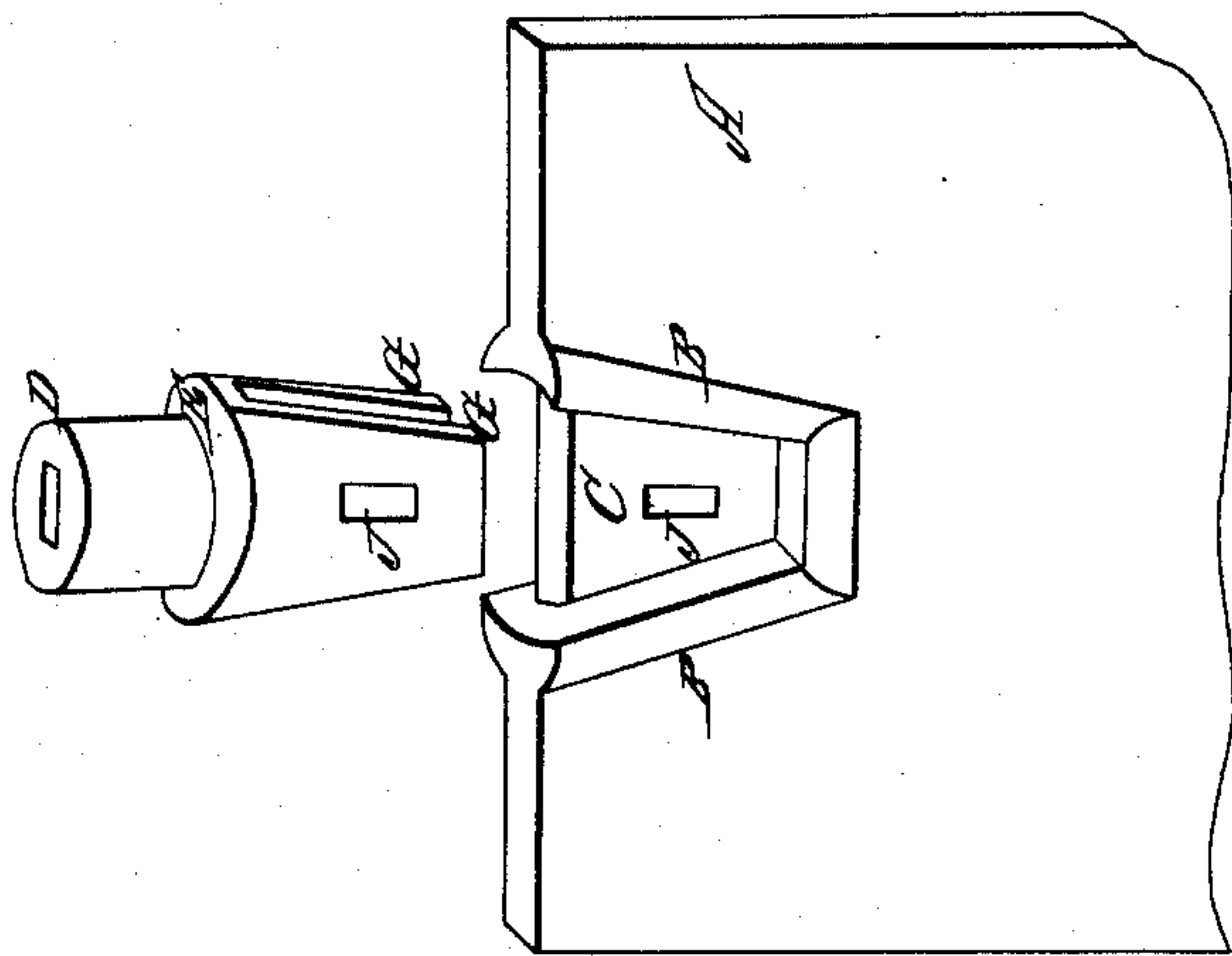


*J. J. Marshbank.*

*Canal Wicket.*

*N<sup>o</sup> 41,463.*

*Patented Feb. 2, 1864.*



*Witnesses:*

*W. D. Smith*

*Addison Evans*

*Inventor:*

*John J. Marshbank*

*by his Attorney -*

*Franklin Percey*

# UNITED STATES PATENT OFFICE.

JOHN D. MARSHBANK, OF LANCASTER, PENNSYLVANIA, ASSIGNOR TO  
HIMSELF AND WILLIAM McCONKY.

## IMPROVEMENT IN CANAL-WICKETS.

Specification forming part of Letters Patent No. **41,463**, dated February 2, 1864; antedated  
December 21, 1863.

*To all whom it may concern:*

Be it known that I, JOHN D. MARSHBANK, of the city of Lancaster, county of Lancaster, and State of Pennsylvania, have invented new and useful Improvements in Canal-Wickets; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the shape and construction of the movable journals, cast separately, to be attached to a cast-iron wicket for canal-locks, but fitted and keyed on securely to each end of the wicket in sockets with side ledges, so as to be easily removed and replaced by new ones when worn, which saves the expense of a new wicket. As now the case, the wicket has to be cast together solid with the journals, and thus to be replaced; but by these movable journals the same wicket can be used for many years.

The object and advantage of my invention are to easily remove the worn-out journals and replace them by new ones, while the wicket can be used for many years, and always retained and kept at a smaller expense in better working order than when the journals and wicket are cast solid, and the whole wicket become useless.

Figure 1 represents a perspective view of the wicket with its movable journals. Fig. 2 exhibits the journal-socket and ledges. Fig. 3 represents an end view of the wicket.

A represents a cast-iron plate or wicket, of the usual size employed in canal-locks. At the upper and lower parts of this wicket there are raised ledges B on each side of the plate A that form recesses or sockets C to receive the lips of the journal D. The journals D D are cast separately, round at top, with round shoulders E E, tapering off to the bottom. Each journal is cast with two lips, G G, (having two square sides,) which fit closely over the sides of the plate within the ledges B B, completely preventing any lateral movement.

A wedge-shaped key, H, is inserted in the apertures J J, and passes through the lips G G and through the center of the socket C to prevent the journals D from moving out of their place, and the journals are secured and held firmly to the plate by the ledges B and key H.

The wicket is fitted into the canal-gate in the usual manner.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The construction of the movable journals D, to be fitted on securely to the ends of a wicket, so as to be easily replaced by new ones, when worn, substantially as herein described.

2. The combination of the journals D with the sockets C and ledges B, as herein described, and for the purposes set forth.

JOHN D. MARSHBANK.

Witnesses:

WM. B. WILEY,  
EML. S. SPEAKER.