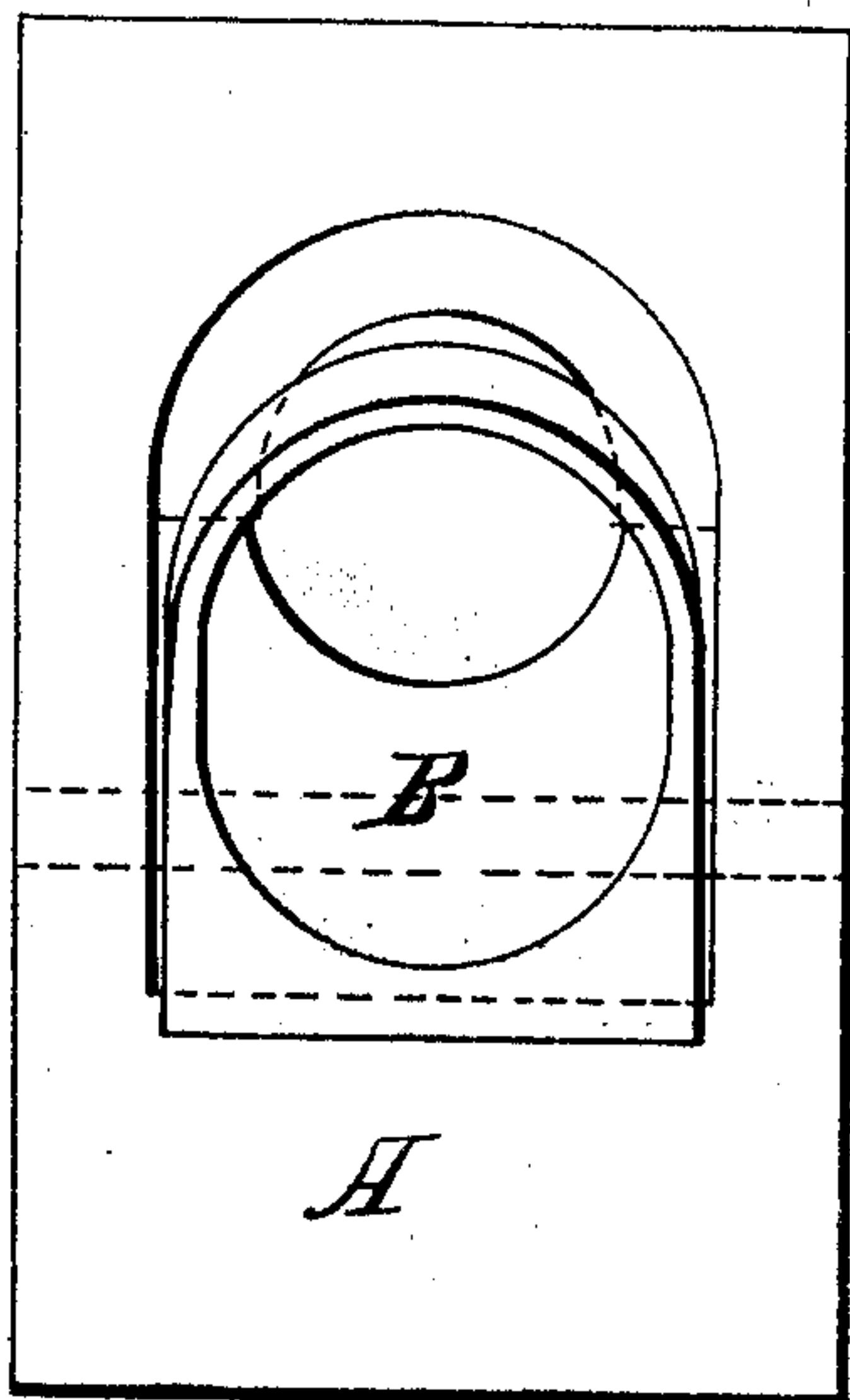
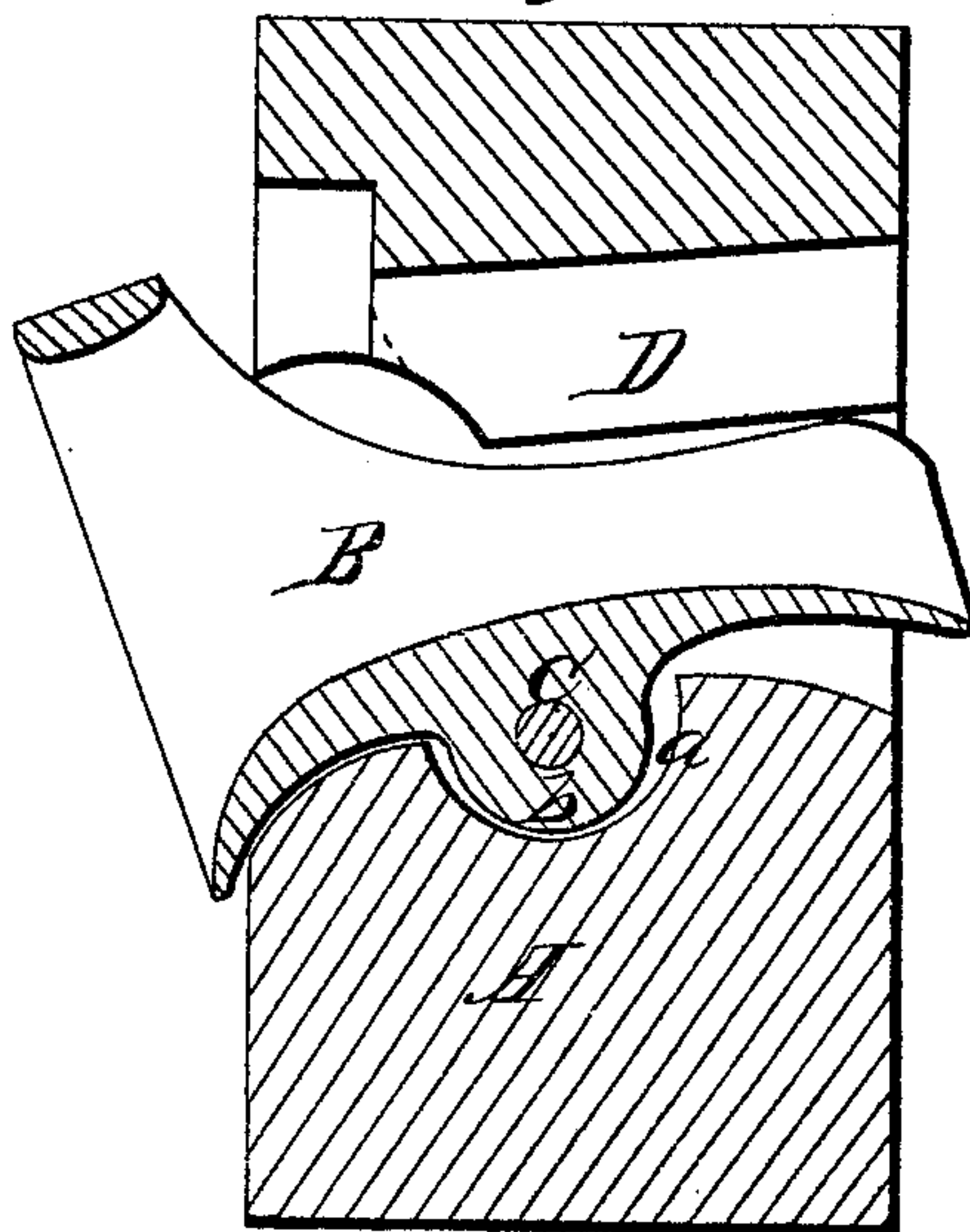


*P. Burnham.*  
*Hawse Hole.*  
*N<sup>o</sup> 69,625. Patented Oct. 8, 1867.*

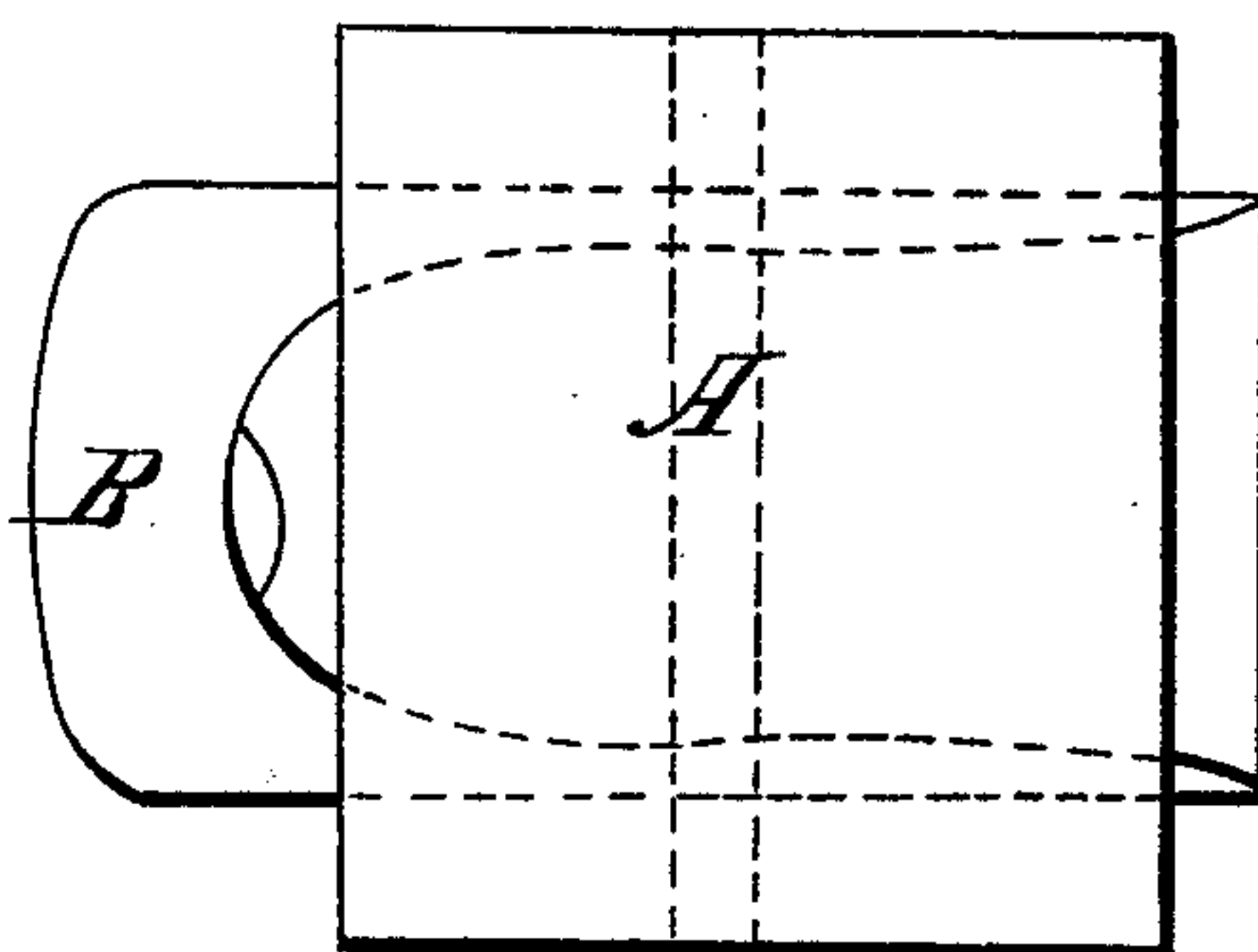
*Fig: 1.*



*Fig: 2.*



*Fig: 3.*



*Witnesses:*  
*Herbert Torrey*  
*M. S. G. Wilde*

*Inventor:*  
*Parker Burnham*  
*by J. H. Adams*  
*Att'y-*

# United States Patent Office.

PARKER BURNHAM, OF GLOUCESTER, MASSACHUSETTS.

*Letters Patent No. 69,625, dated October 8, 1867.*

## IMPROVED HAWSE PIPE.

*The Schedule referred to in these Letters Patent and making part of the same.*

Be it known that I, PARKER BURNHAM, of Gloucester, in the county of Essex, and State of Massachusetts, have invented a new and useful improvement in Hawse Pipes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a front view of my improvement.

Figure 2 is a longitudinal vertical section, and

Figure 3 is a top view.

The object of my invention is to arrange a hawse pipe within the vessel's side, so that it shall be self-adjusting to the movement of the cable, as the latter passes through the said pipe; and the invention consists in so constructing the hawse pipe, and arranging it within the bows or other part of the vessel, as to enable it to have a rocking motion in the direction of its length, and accommodate itself to the motion of the cable, admitting of a change of inclination at either end, in order to adapt the said hawse pipe to the varying inclination of the cable.

Referring to the drawings, A represents a portion of the side of a vessel, in which the hawse pipe is usually fixed, and D is an opening in the same. B is the hawse pipe, represented as of circular form at one end, and cut away on its upper side a greater portion of its length, as shown in fig. 2. On the under side of the central portion of the hawse pipe is a projection, *b*, fitting within a corresponding recess, *a*, in the portion A of the vessel. Through this projection *b* passes a pin, *c*, by which it is secured in position. The inner and outer ends of the opening D are cut away, so as to allow the hawse pipe a rocking motion in the direction of its length.

In this manner the hawse pipe will adapt itself to the varying lines of inclination of the cable, caused by the motion of the vessel or otherwise, preventing it from wearing or chafing as it is being paid out or "hove in" during the operation of weighing or of letting go the anchor.

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

The adjustable hawse pipe B, arranged within the bow or side of the vessel, when constructed and operating substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PARKER BURNHAM.

Witnesses:

J. H. ADAMS,

S. R. MOSELEY.