

W. A. RIDEOUT.
Cross-Head Gibs.

No. 157,136.

Patented Nov. 24, 1874.

Fig. 1.

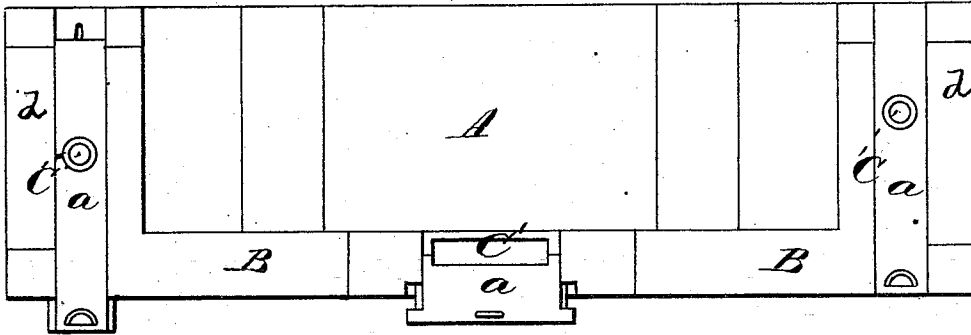


Fig. 2.

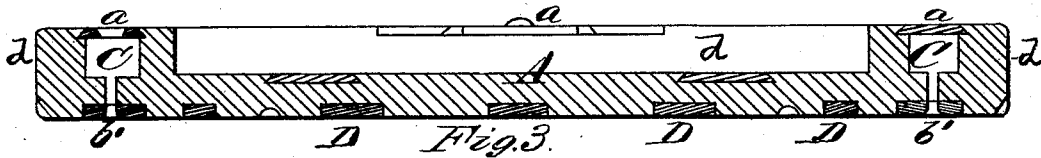
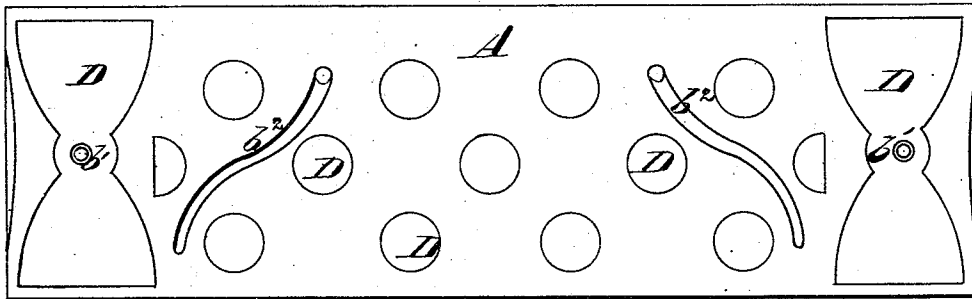
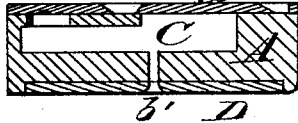


Fig. 4.



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WILLIAM A. RIDEOUT, OF RICHMOND, MAINE.

IMPROVEMENT IN CROSS-HEAD GIBS.

Specification forming part of Letters Patent No. **157,136**, dated November 24, 1874; application filed September 26, 1874.

To all whom it may concern:

Be it known that I, WILLIAM A. RIDEOUT, of Richmond, in the county of Sagadahoc and State of Maine, have invented a new and valuable Improvement in Cross-Head Gibs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my cross-head gib. Fig. 2 is a bottom view, Fig. 3 is a vertical sectional view, and Figs. 4 and 5 are detail views, of the same.

The object of my invention is to provide efficient means for lubricating the slideways and cross-heads of steam-engines; and the nature of my invention consists in a gib or shoe, which is adapted to a cross-head on top of the slideway, and which is constructed with chambers and feed-passages for containing oil and supplying the same to the wearing-surfaces in suitable quantities, as will be understood from the following description.

In the annexed drawings, A designates my improved gib or shoe, which is adapted, by means of a rectangular elevation, B *d*, on three sides of it, to receive the end of a cross-head of a steam-engine. This gib may be made of any suitable material, in the wearing-face of which babbitt-metal D is inserted, for rendering more durable the wearing-sur-

face. At suitable points oil-chambers C are made in the gib and filled with cotton-waste, and provided with sliding covers *a*. The chambers C C at the ends of the gib have straight openings *b*¹ *b*¹ leading out of them, and the chamber C', at the middle of the length of the gib, has branch passages *b* leading out of it, and communicating with curved grooves *b*², made in the bottom of the gib. By these means oil can be properly supplied to the slideways for lubricating the same.

In practice a cross-head will have two of my improved gibs on its ends on top of the slideways, and two gibs beneath the slideways, which latter gibs will not be provided with oil-chambers.

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

The cross-head gib, consisting of the rectangular elevations B *d d* on three of its sides, provided with oil-chambers C C, having perforated slide-caps *a a* and straight oil-passages *b*¹, and the oil-chamber C', having branch passages *b b* leading out of it, and communicating with curved grooves *b*², made in the bottom face of the gib, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM A. RIDEOUT.

Witnesses:

J. W. SPAULDING,
GEO. H. MERRIMAN.