

H. R. HOAGLAND.

Thill-Coupling.

No. 66,493.

Patented July 9, 1867.

Fig. 1.

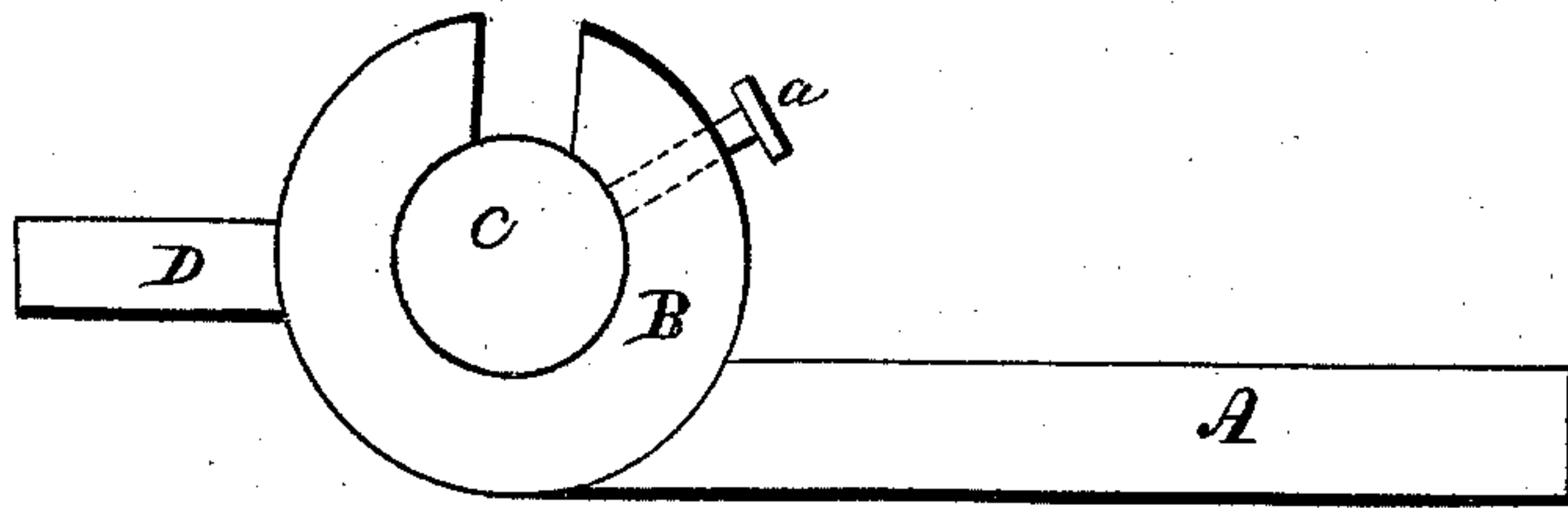


Fig. 2.

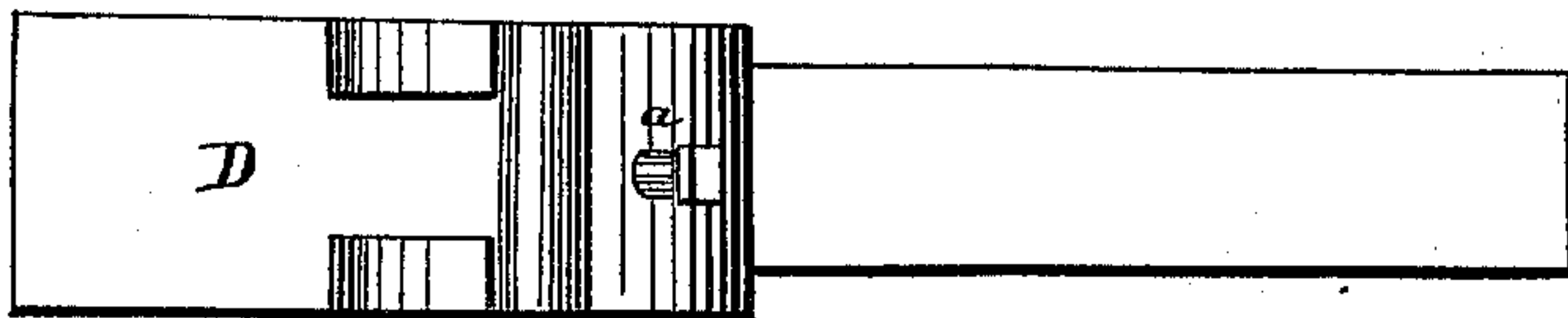
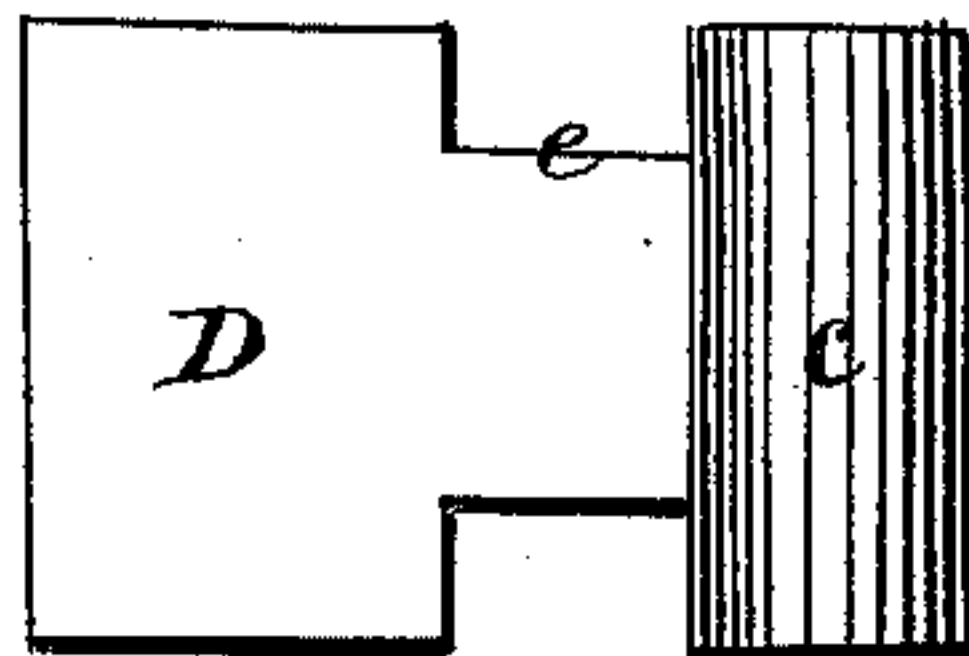


Fig. 3.



Witnesses:

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att'y

United States Patent Office.

H. R. HOAGLAND, OF MONTEZUMA, NEW YORK.

Letters Patent No. 66,493, dated July 9, 1867.

IMPROVEMENT IN THILL-ATTACHMENT.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, H. R. HOAGLAND, of Montezuma, Cayuga county, State of New York, have invented certain new and useful Improvements in Thill-Fastenings; and I hereby declare that the following is a true, full, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the annexed drawings, which make a part of this specification—

Figure 1 exhibits a side view of my clip and thill-attachment.

Figure 2 is a plan view of the same.

Figure 3 is a plan view of the thill-attachment when separated from the clip.

My clip consists of the arm A and cylindrical head B. The arm A will be firmly secured to the axle of any wheel-vehicle in use. The head B, as seen in fig. 1, is formed with a lateral hole through it, to receive the cylindrical end C of the thill-attachment D, as seen in fig. 3. In order that the end C may enter the hole in head B, an opening is made in the top of said head, the said head being provided with a uniform transverse bore, open at both ends, and also with a transverse slot, whose sides shall form an acute angle with the arm A, and sufficiently wide to admit the flat part of the attachment, marked D. In addition to the opening above described, another opening is made at right angles with the first, to admit of the free play of the attachment D, which is constructed with a neck, *e*, just of sufficient width to fill the above-described opening in head B. It will be seen that the construction of the head B is such that there can be but one way of introducing the attachment D into its appropriate place in the clip, which is to place the attachment in a vertical position, so that the neck *e* will correspond with the lateral opening in the head B, and the cylindrical end C will, in like manner, correspond with the hole in head B; then push the attachment in until the neck *e* is opposite to the opening in the circumference of the head B, when the attachment will be in its proper place. Being once in position, the attachment can only be separated from the clip by placing it, as above described, in a vertical position, and withdrawing it from the head B. To prevent any rattling that might occur the screw *a* is inserted through B, with its end pressing against C, and thus holding it in its place. The value of every device is enhanced by its simplicity and the effectiveness with which it accomplishes the object proposed.

This attachment, though simple and apparently obvious, claims its value from the fact of there being an entire absence of every appendage calculated either to increase the cost of the article or to make it difficult of use. Its merit also consists in its perfect safety; for it will be observed that there are no screws to work loose or wedges to come out; but, on the contrary, it remains complete within itself, being entirely safe and effective, capable of easy attachment when required, and impossible of disconnection while in use.

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

The combination of the thill-attachment D with the clip-head B, when said clip-head is provided with a uniform transverse bore, open at both ends, and also with a transverse slot, whose sides shall form an acute angle with the arm A, substantially for the purpose set forth.

In testimony that I claim the above as my own, I hereby affix my signature in the presence of two witnesses.

H. R. HOAGLAND.

Witnesses:

J. S. LEIGH,

G. A. STOCKING.