

(No Model.)

E. L. MOSER.  
PULLEY HUB.

No. 584,391.

Patented June 15, 1897.

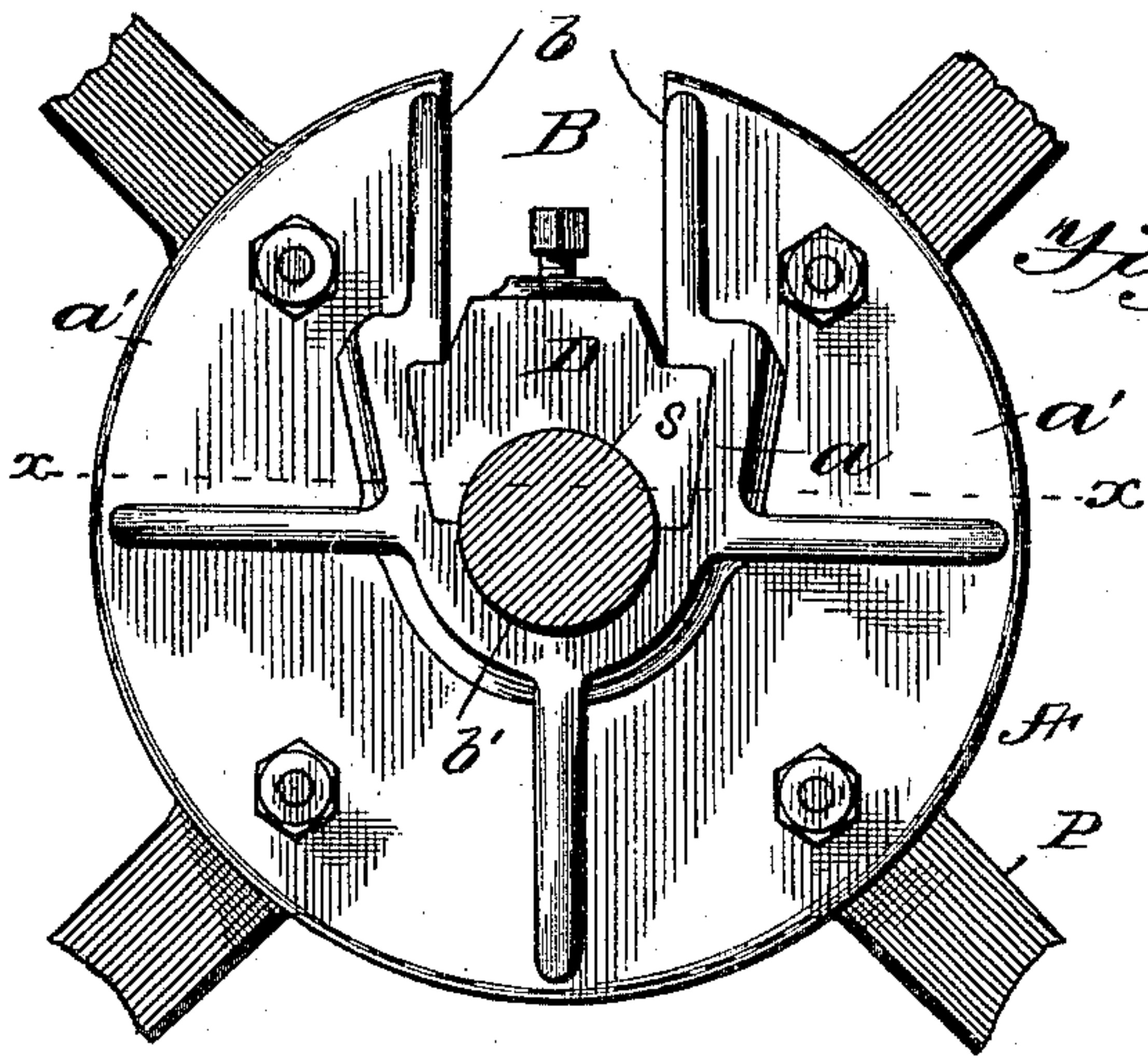


Fig. 1.

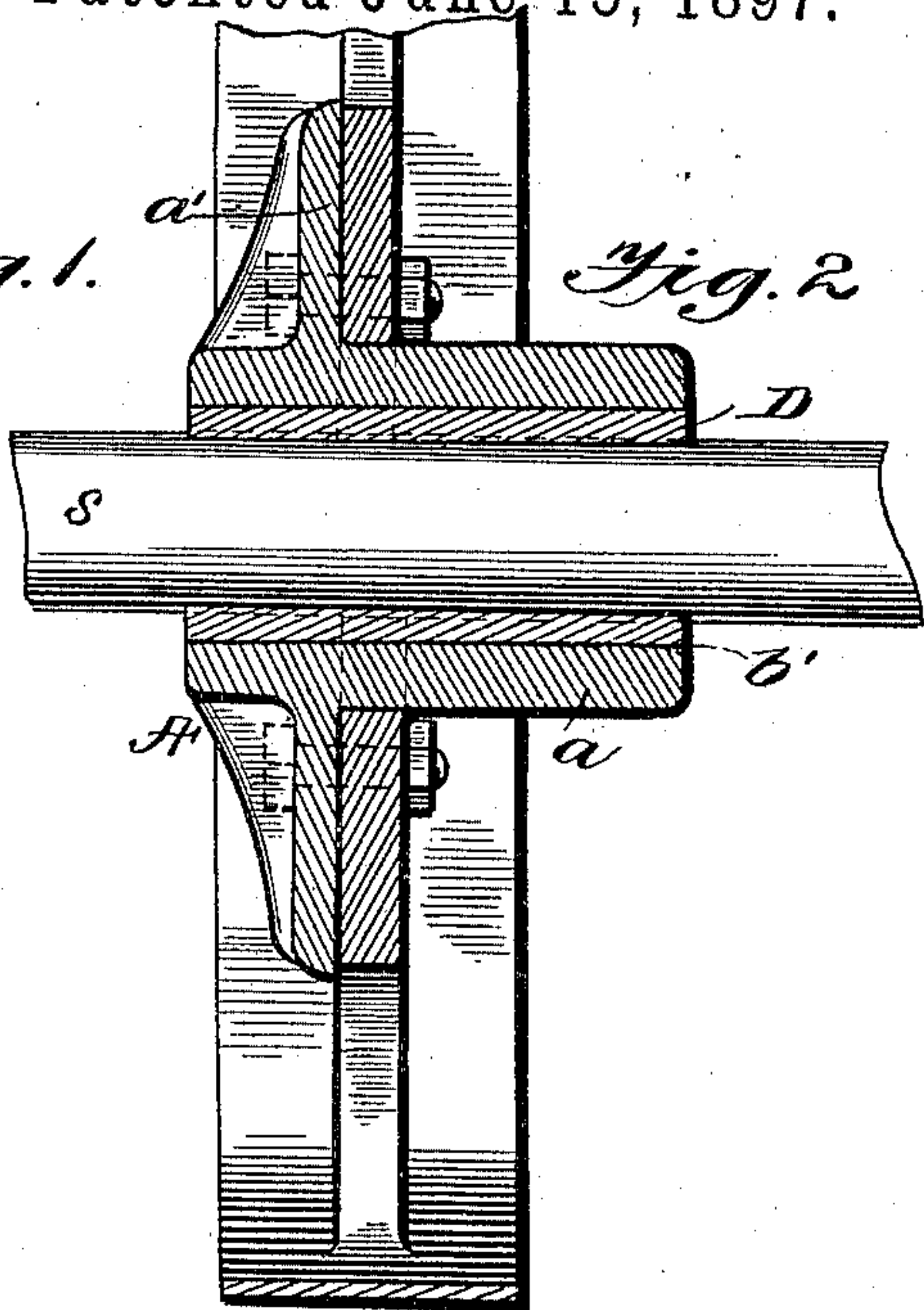


Fig. 2.

Fig. 3.

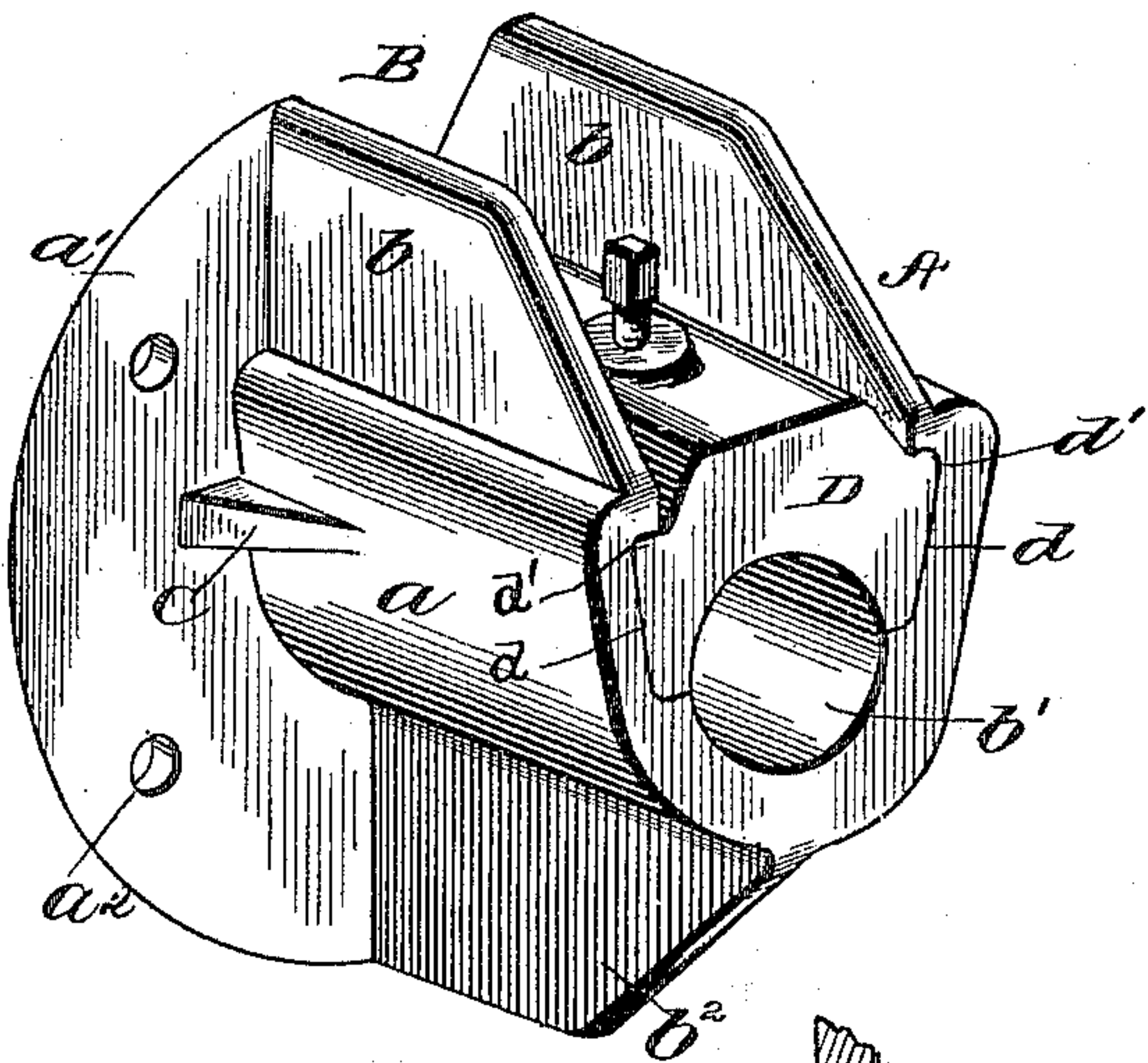


Fig. 4.

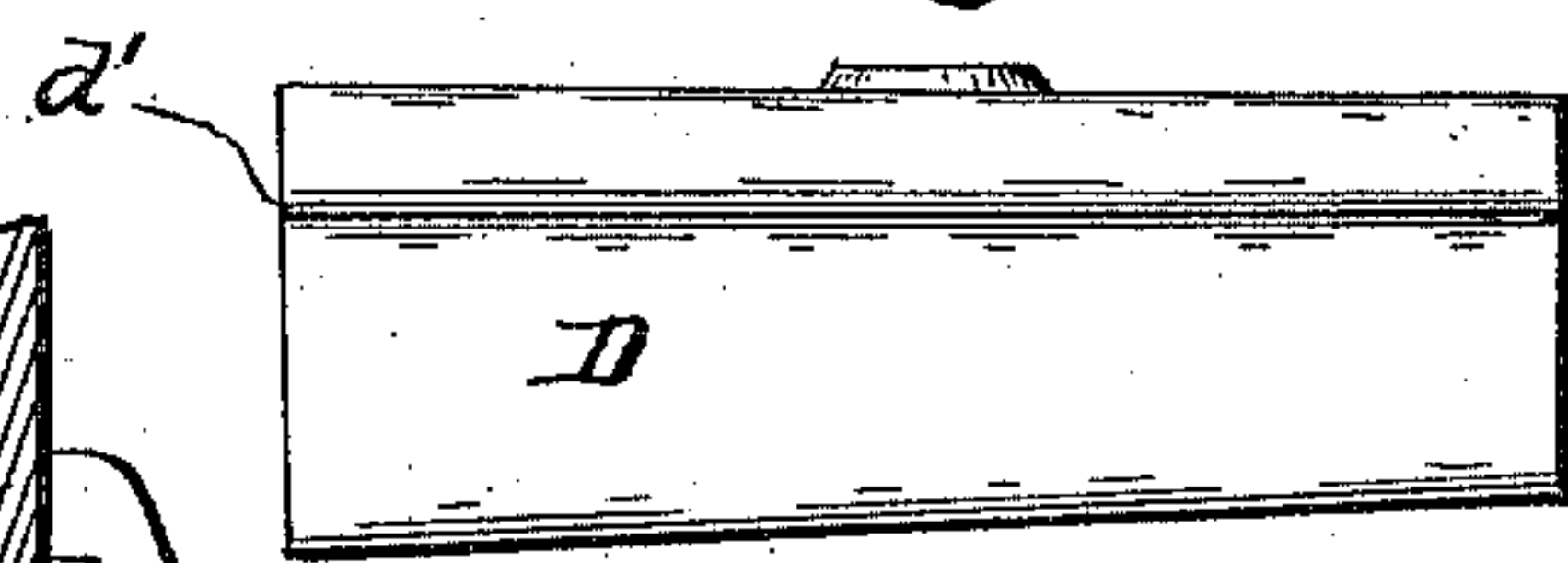
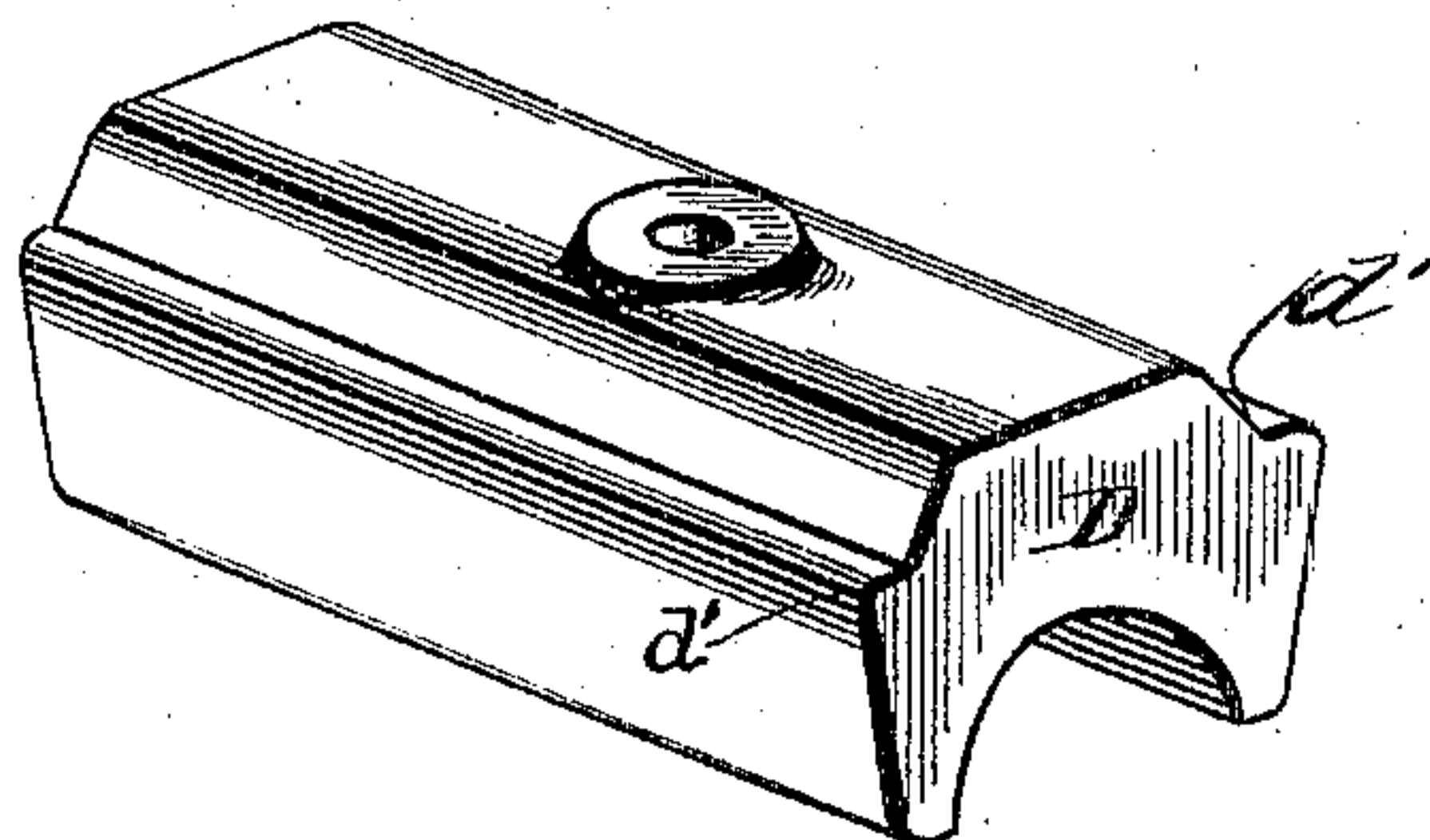
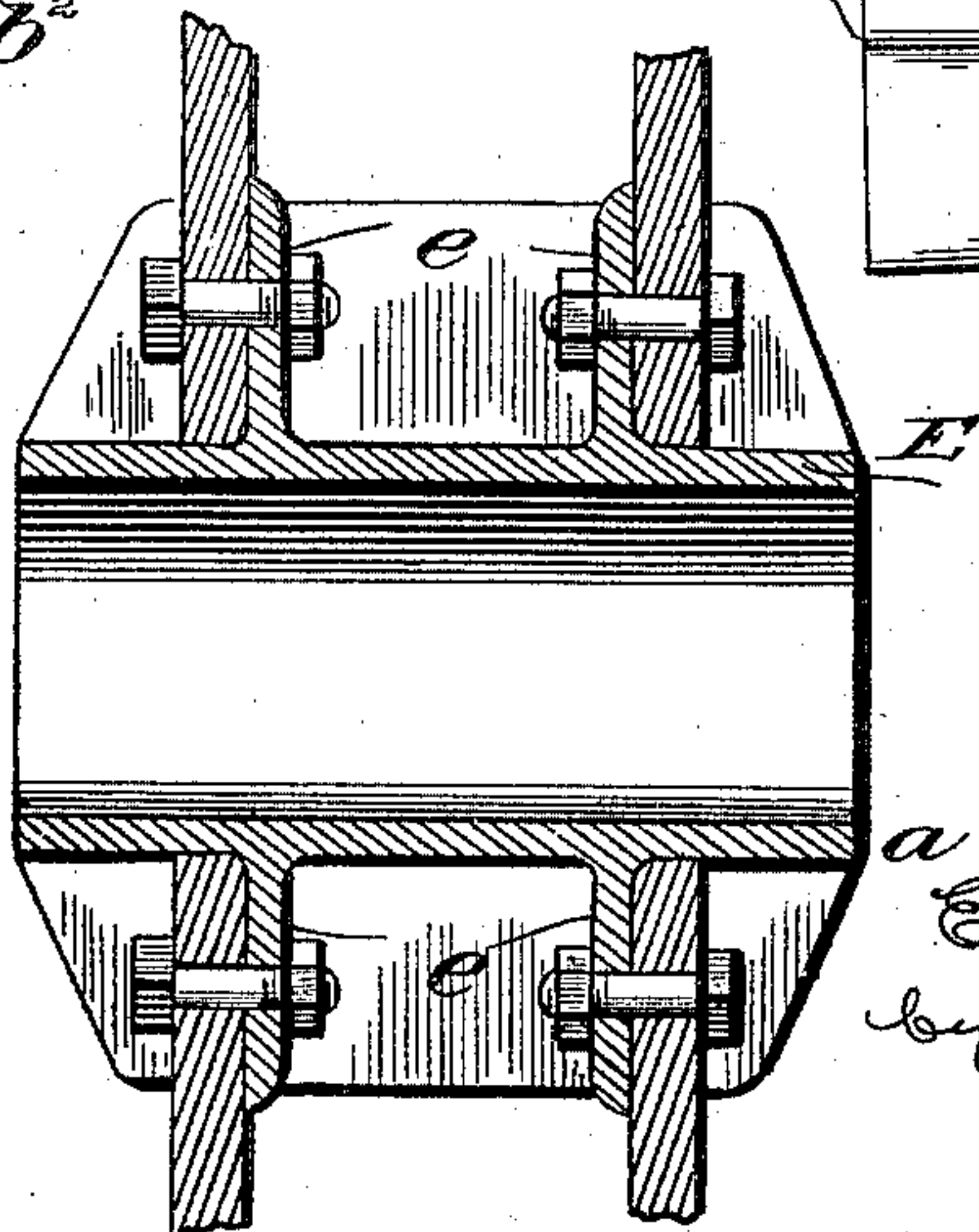


Fig. 4a.

Fig. 5.



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# UNITED STATES PATENT OFFICE.

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## PULLEY-HUB.

SPECIFICATION forming part of Letters Patent No. 584,391, dated June 15, 1897.

Application filed May 12, 1896. Serial No. 591,255. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN L. MOSER, a citizen of the United States, residing at Reading, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Pulley-Hubs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in pulley-hubs; and it has for its object the production of a simple and inexpensive hub which can be readily and easily secured to the pulley, and when so secured will not be liable to get out of order or become deranged.

The invention will be hereinafter fully set forth, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a front view illustrating my improved pulley-hub. Fig. 2 is a sectional view on line  $x x$ , Fig. 1. Fig. 3 is a view in perspective. Figs. 4 and 4<sup>a</sup> are details. Fig. 5 is a view of a slight modification.

Referring to the drawings, A designates my improved pulley-hub as an entirety, the same consisting of a main body portion  $a$ , near one end of which is formed a flange  $a'$ , having holes or openings  $a^2$  for the passage of suitable bolts, whereby said flange is secured to a pulley or the like. The body portion  $a$  is open at its top and provided with upper parallel vertical walls or flanges  $b$  adjacent said opening, forming an open space B therebetween, whereby the pulley-shaft S may be readily placed in its seat  $b'$ . A lower web or flange  $b^2$ , together with the walls or flanges  $b$ , serves to strengthen the connection between body  $a$  and flange  $a'$ .

C designates a series of fins or the like which are formed on one face of flange  $a'$  and are designed to enter corresponding recesses in the pulley P, thereby aiding in securing

the hub thereto and preventing lateral play thereof.

The side walls of body  $a$  are provided with parallel longitudinal grooves or guideways  $d$ , in which is designed to be inserted a key-piece D, whereby said hub will be secured on the pulley-shaft. The sides of said key-piece are provided with suitable shoulders  $d'$ , adapted to fit in guideways  $d$ , said sides having their lower and bottom edges tapered longitudinally of said block, so that they will have a binding action with relation to said grooves or guideways.

In Fig. 5 I have shown a slight modification in which the body portion E is made solid instead of open at its top and is provided with two flanges  $e$ . This form of hub is employed in connection with a pulley having two sets of arms, one set being connected to each flange.

In practice the body portion  $a$  is extended through the body of the pulley, and the flange  $a$  is then bolted in position.

The advantages of my improved pulley-hub are apparent to those skilled in the art to which it appertains, and it will be specially observed that the same can be quickly and easily applied to a pulley, and when so applied is not liable to readily get out of order or become deranged.

I claim as my invention—

The herein-described pulley-hub, comprising a main body portion open at its top and having tapering grooves or guideways formed therein, a flange secured to said body portion near one end thereof and adapted to be secured to a pulley, and a key-block the sides of which taper from one end to the other to correspond with the tapering grooves in said main body portion, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

EDWIN L. MOSER.

Witnesses:

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ULYSSES S. DRAYER.