

No. 832,424.

PATENTED OCT. 2, 1906.

E. ROMIGH.  
MOLD.

APPLICATION FILED MAR. 20, 1906.

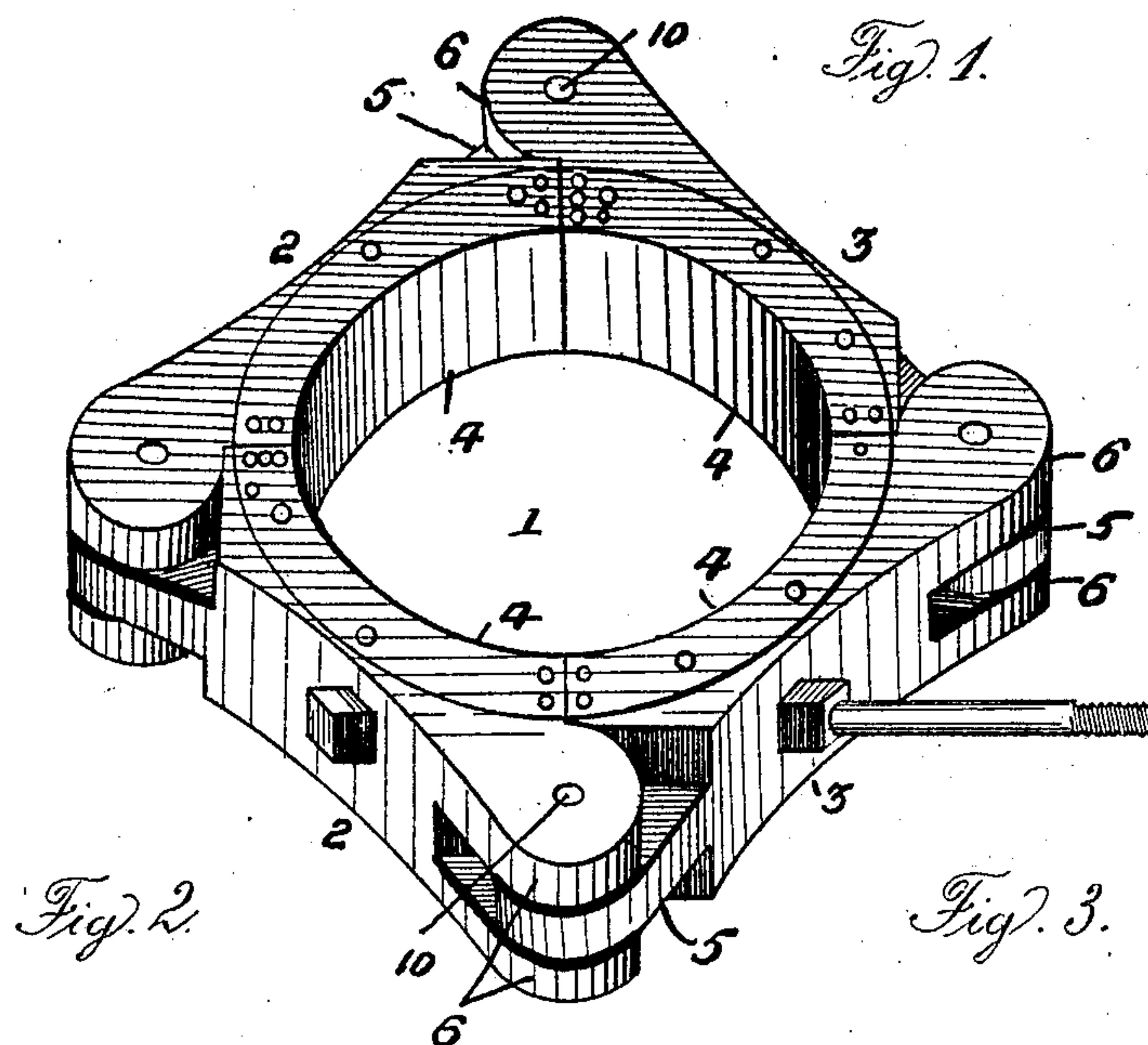


Fig. 2.

Fig. 3.

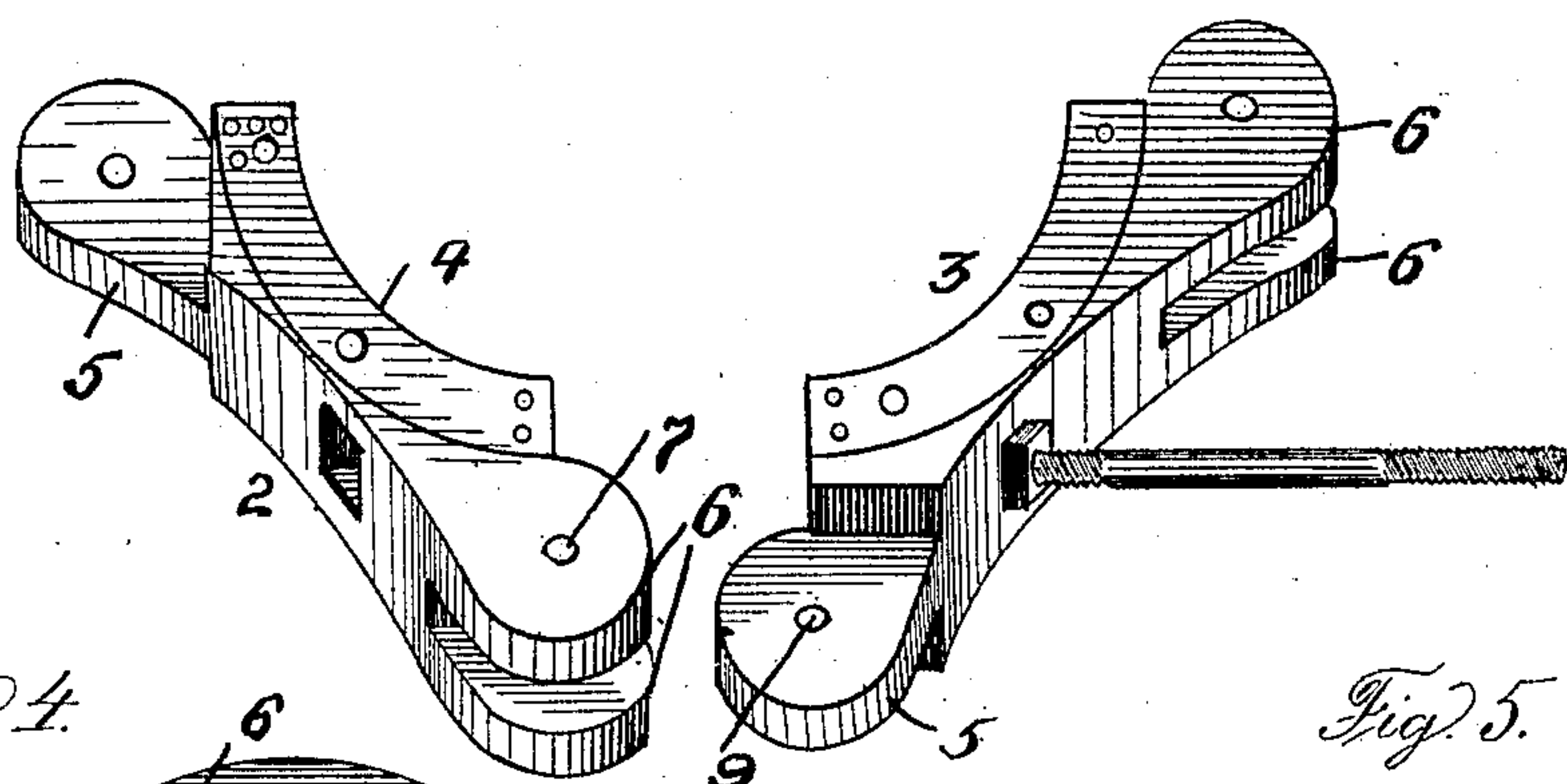


Fig. 4.

Fig. 5.

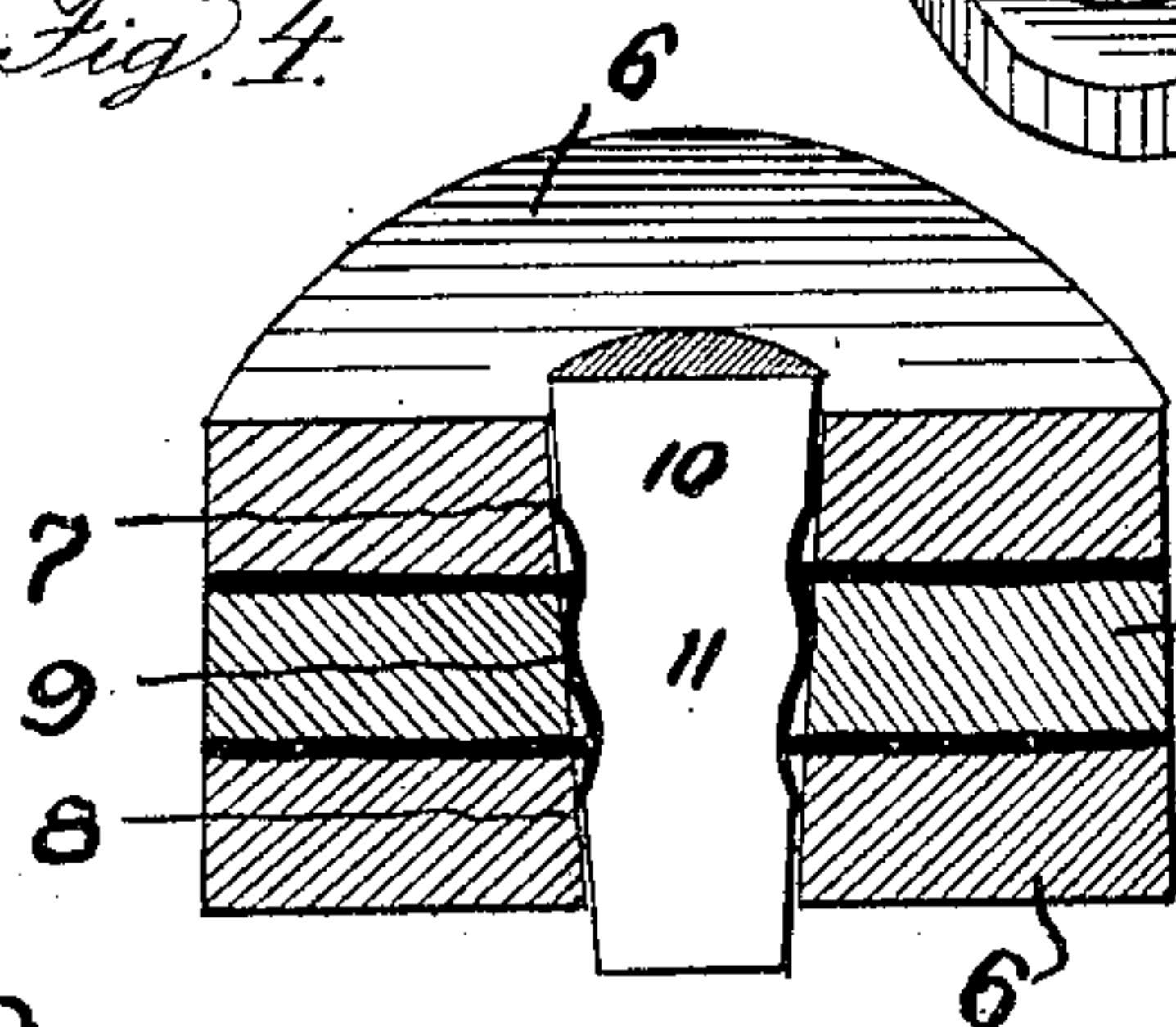
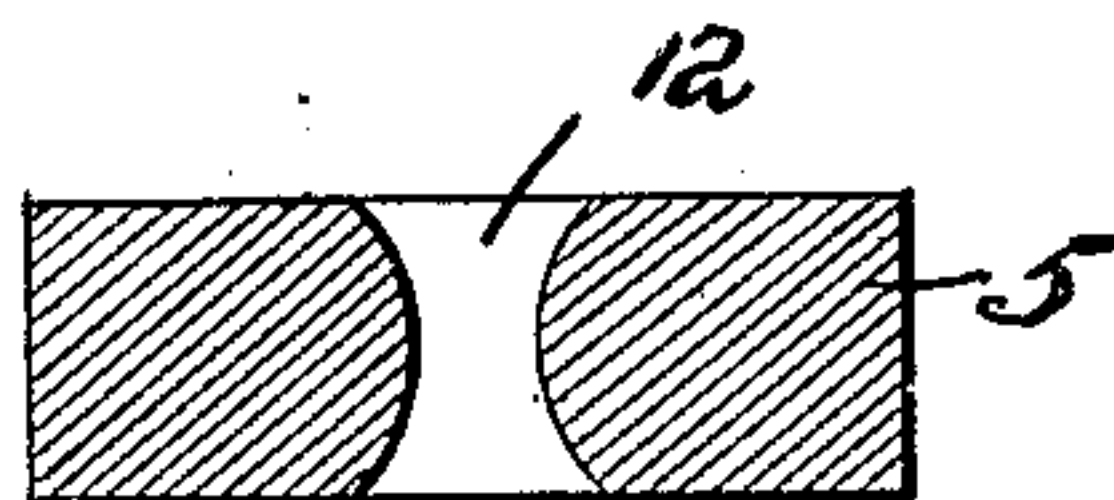


Fig. 6.



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# UNITED STATES PATENT OFFICE.

ELIJAH ROMIGH, OF ROCHESTER, PENNSYLVANIA.

## MOLD.

No. 832,424.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed March 20, 1906. Serial No. 306,998.

*To all whom it may concern:*

Be it known that I, ELIJAH ROMIGH, a citizen of the United States of America, residing at Rochester, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Molds, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in molds especially adapted for molding articles from cement and sand and like plastic compositions, and the invention relates more particularly to a mold having a plurality of adjoining parts which can be easily and quickly disassembled when a molding operation has been completed and it is desired to remove the mold without disfiguring or injuring the molded article.

20 The primary object of this invention is to provide a novel form of connecting pin or bolt for holding the several parts of a mold together, at the same time permitting of one part being slightly moved independently of its adjoining part, whereby the mold may be easily and quickly disassembled.

30 My invention resides entirely in the connection formed between the parts of a mold, and in this connection I desire it to be understood that my invention is readily applicable to other articles than a mold.

35 With the above and other objects in view, which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts to be hereinafter more fully described and claimed, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

45 Figure 1 is a perspective view of a four-part mold constructed in accordance with my invention. Fig. 2 is a perspective view of one of the parts. Fig. 3 is a similar view of its adjoining part. Fig. 4 is a sectional perspective view of the joining lugs of a mold. Fig. 5 is a longitudinal sectional view of a lug, illustrating a slightly-modified form of construction; and Fig. 6 is a plan of one of the connecting pins or bolts constituting the subject-matter of this application.

In Figs. 1 to 3, inclusive, I have illustrated a conventional form of mold 1, consisting of a plurality of parts or sections 2 2 and 3 3, each section having an inner curved face 4, representing the quadrant of a circle and when joined together forming a cylindrical bore or collar. The parts or sections 2 2 and 3 3 have their ends provided with lugs, a single lug 5 being carried on one end of each part, while the opposite ends of the parts are bifurcated to form lugs 6 6. The single lug 5 of one part is adapted to fit between the lugs 6 6 of its adjoining part, and said lugs are pierced or provided with openings 7, 8, and 9, whereby they may be secured together by pins 10.

My invention entirely resides in the construction of the lugs 5 and 6 6, together with the pins which are employed for securing said lugs together. In practice I make the lugs 5 of a less depth than the space between the lugs 6 6, whereby said lugs 5 will loosely fit between the lugs 6 6. The openings 7, 8, and 9 of said lugs are formed with tapering walls, the openings gradually decreasing in size, whereby when the lugs 5 are mounted between the lugs 6 6 a tapering opening will be provided in which is adapted to fit the tapering pin 10, having a central tuberos or knobbed portion 11. The central tuberos portions 11 of the pins 10 are adapted to engage the walls of the openings 9 of the lugs 5 and permit of the parts or sections 3 3 being slightly wobbled or moved relative to the parts or sections 2 2. The lugs 5 can be provided with flared openings 12, as illustrated in Fig. 5, thereby insuring a more positive movement of the lugs 5 5 between the lugs 6 6.

Considerable trouble has heretofore been experienced in disassembling the mold 1 on account of the lugs 5 5 snugly fitting between the lugs 6 6 and preventing the parts or sections 3 3 from being slightly tilted when withdrawing the parts or sections 3 3 from the molded article and the lugs 6 6 of the parts or sections 2 2. By the novel form of tapering pins which I use a slight movement of the parts or sections 3 3 relative to the parts or sections 2 2 is permitted, and the many advantages of so constructing the connecting ends of the various parts of the mold will be apparent to those skilled in the art.

I do not care to confine myself to the number of parts or sections constituting a mold

connected together by my improved pins or bolts, and such changes in the details of construction as are permissible by the appended claims may be resorted to without departing  
5 from the spirit and scope of the invention.

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

1. The combination with a sectional mold having interlocking lugs, said lugs having  
10 alining tapering openings formed therein, of tapering pins adapted to fit in the openings of said lugs, said pins each having a central tuberos portion, substantially as described.

2. The combination with a sectional mold, of lugs carried by the sections of said mold, said  
15 lugs having tapering openings formed therein, tapering pins adapted to fit in said lugs, said pins having central tuberos portions, substantially as described.

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

ELIJAH ROMIGH.

Witnesses:

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