

(No Model.)

C. F. MOSMAN.  
CASTER.

No. 540,070.

Patented May 28, 1895.

Fig. 1.

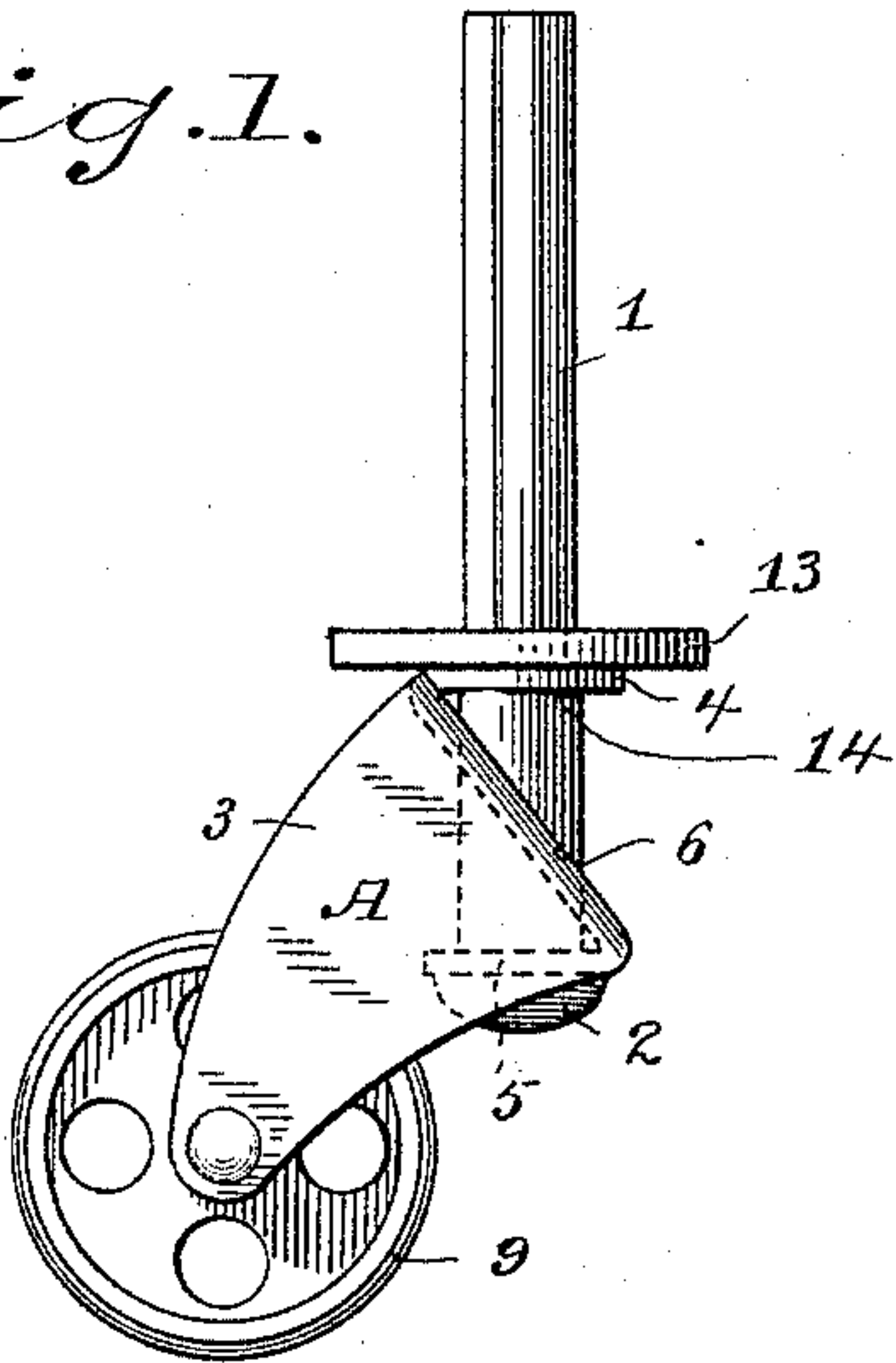


Fig. 2.

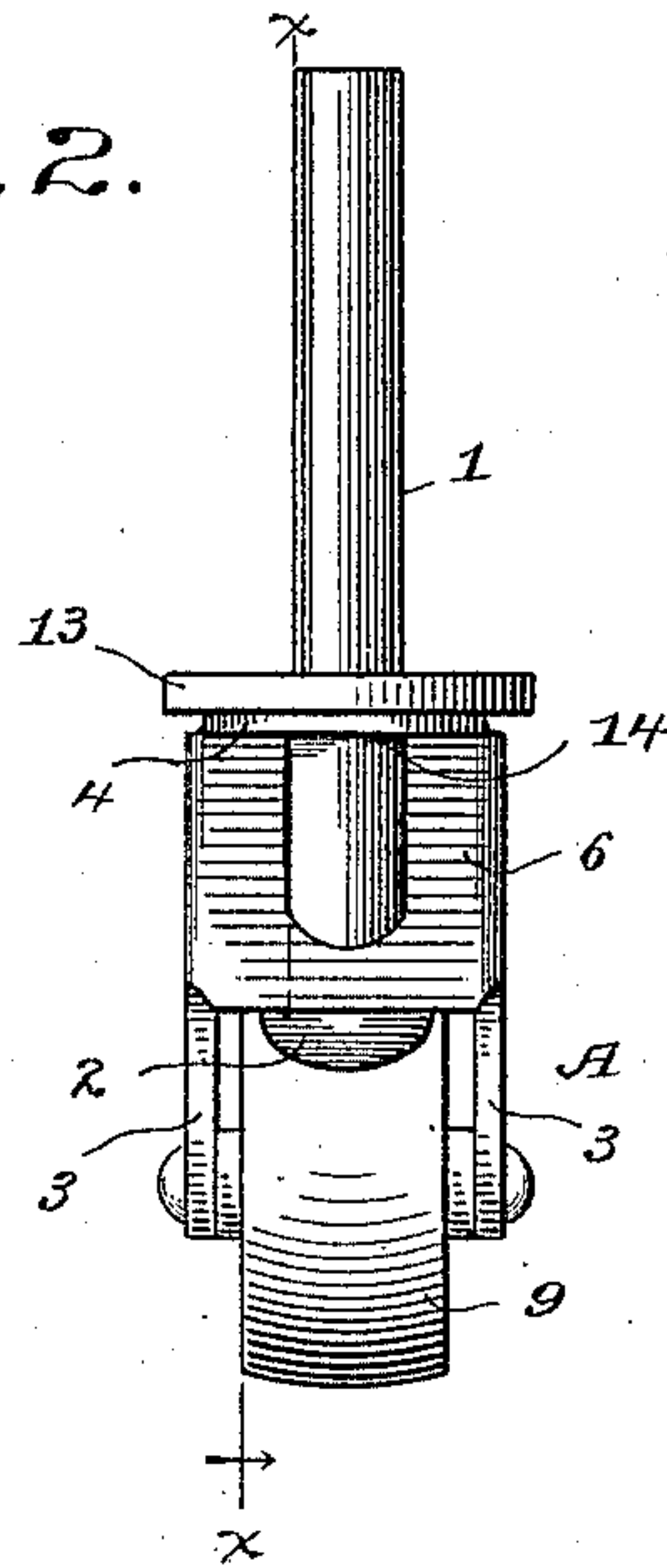


Fig. 3.

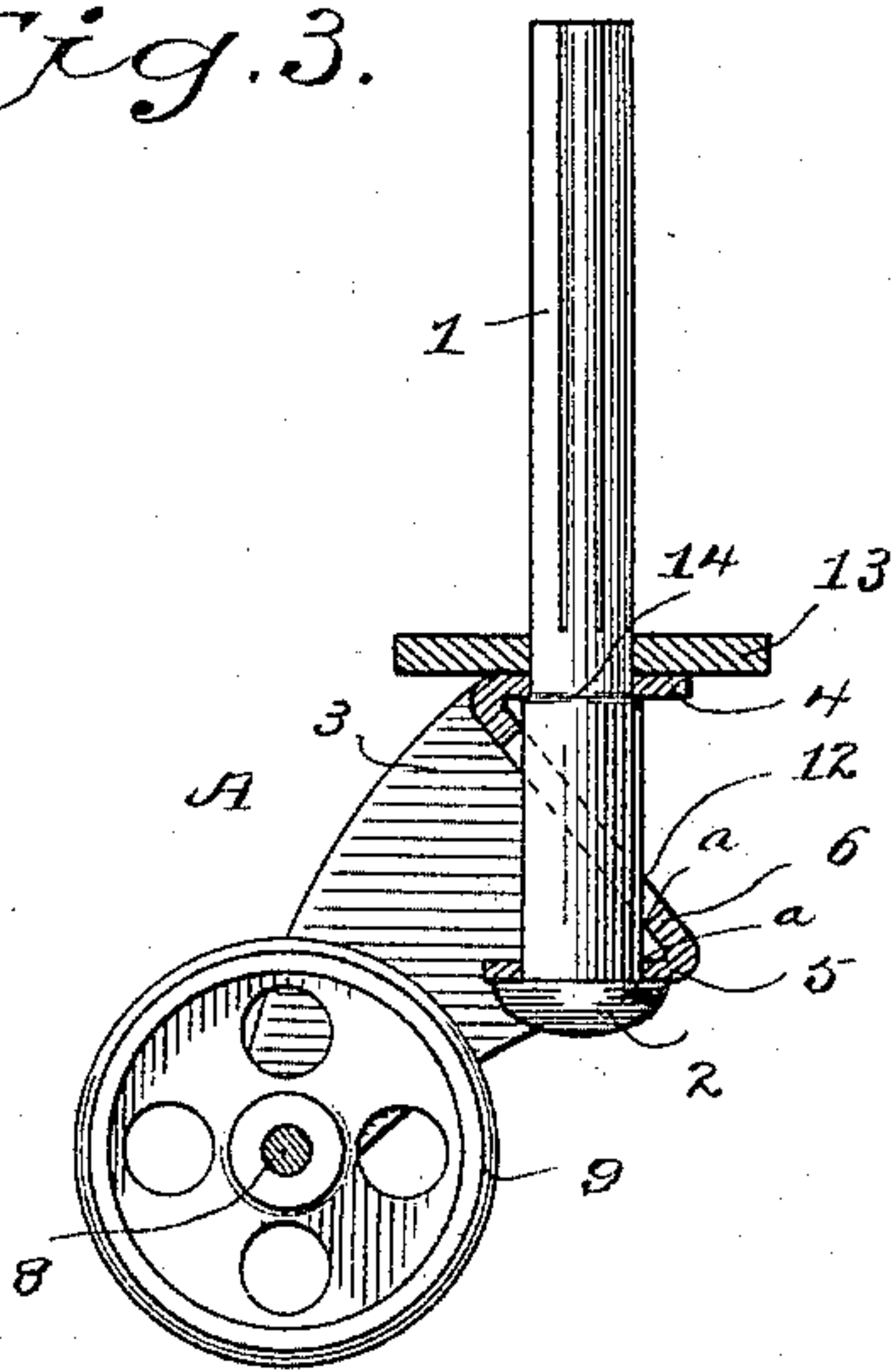
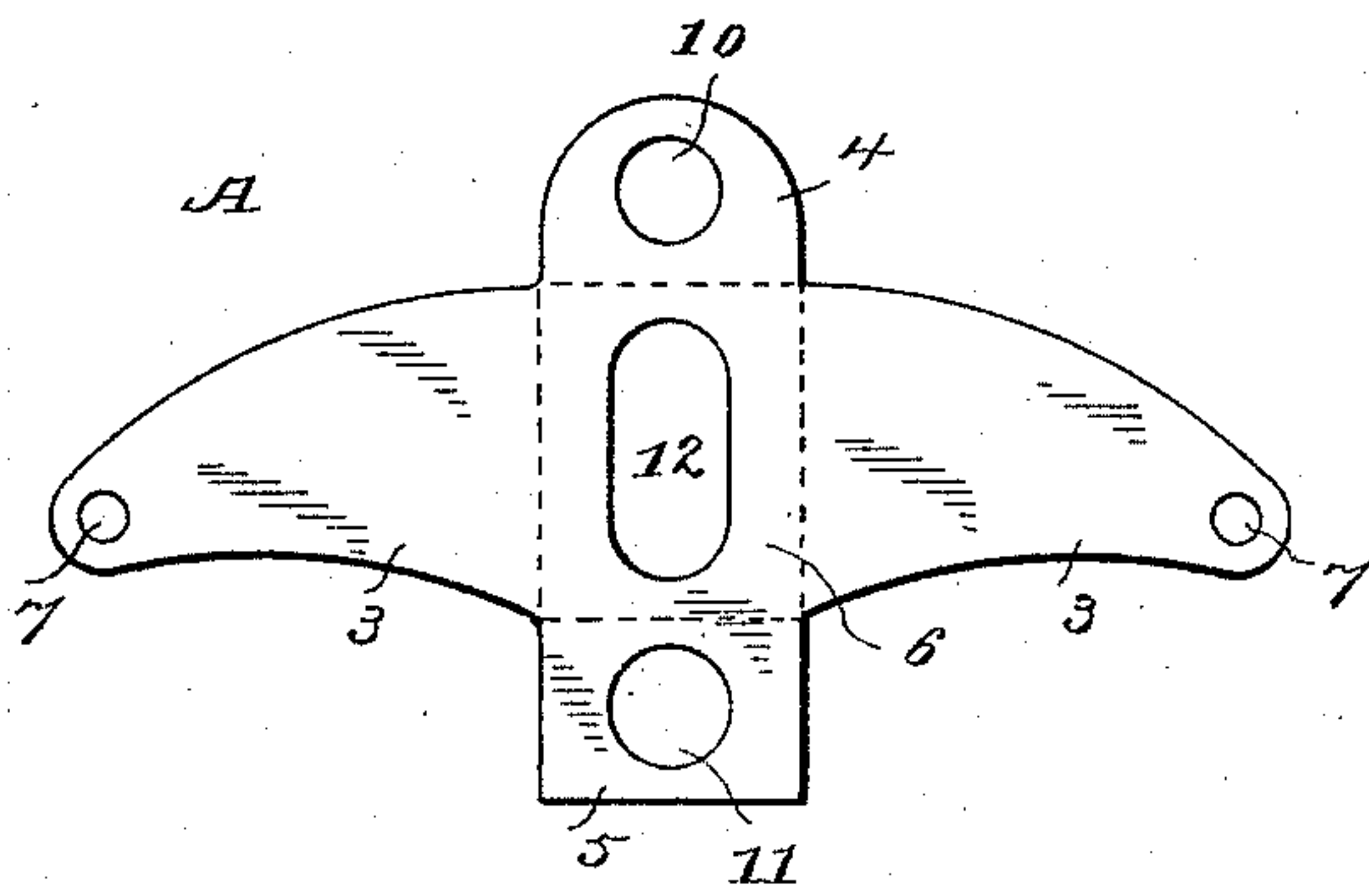


Fig. 4.



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## CASTER.

SPECIFICATION forming part of Letters Patent No. 540,070, dated May 28, 1895.

Application filed February 18, 1895. Serial No. 538,767. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES F. MOSMAN, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Casters; 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.

My invention has for its object to simplify and cheapen the construction of casters and at the same time to add greatly to their strength. With this end in view I have devised the novel caster of which the following description, in connection with the accompanying drawings, is a specification, numbers and letters being used to designate the several parts.

Figure 1 is a side elevation of my novel caster; Fig. 2, a rear elevation; Fig. 3, a section on the line  $x x$  in Fig. 2, and Fig. 4 is a plan view of the blank from which the horn is formed.

1 denotes the stem which is provided with a head 2, and A the horn as a whole which is blanked out from sheet metal, ordinarily steel, as shown in Fig. 4. The horn consists essentially of the arms 3, an upper plate 4, a lower plate 5 and a diagonal plate 6 by which the upper and lower plates are connected. The arms are provided with holes 7 to receive a pin 8 on which the roller 9 is journaled. The upper plate is provided with a hole 10, the lower plate with a hole 11 and the diagonal plate with an elongated opening 12 through all of which the stem is passed from the under side, the lower plate resting upon the head when the parts are assembled. The parts are retained in the assembled position by a disk 13 which is driven down on the stem leaving just sufficient space for the horn

to turn freely between the disk and the head. This disk in use rests against the furniture leg. A shoulder 14 is preferably provided on the stem upon which the upper plate rests so as to give support to the upper plate independently of the diagonal plate. Holes 7, 10 and 11 and the elongated opening are all formed in the blank simultaneously with the blanking out. The horn is then bent to shape in suitable dies.

In assembling the stem is passed through holes 10 and 11 and the elongated opening, the disk driven down upon the stem, the roller placed between the arms and pin 8 is passed through the arms and roller and headed down. The operation of forming the parts and assembling is thus reduced to the lowest possible number of operations. By connecting the upper and lower plates by means of the diagonal plate I give the greatest possible strength to the horn for the amount of metal used, the caster as a whole being greatly braced and strengthened by the wide bearings at the top and bottom of the horn which I have indicated by "a."

Having thus described my invention, I claim—

A caster horn formed from a single piece of sheet metal and consisting of arms adapted to receive the roller pin, upper and lower plates provided with holes and a diagonal plate provided with an elongated opening adapted to receive the stem, said upper plate extending rearward from the top of the diagonal plate and said lower plate extending forward from the bottom of the diagonal plate.

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

CHARLES F. MOSMAN.

Witnesses:

I. B. PRINDLE,  
FREDERICK W. HALL.