

No. 688,752.

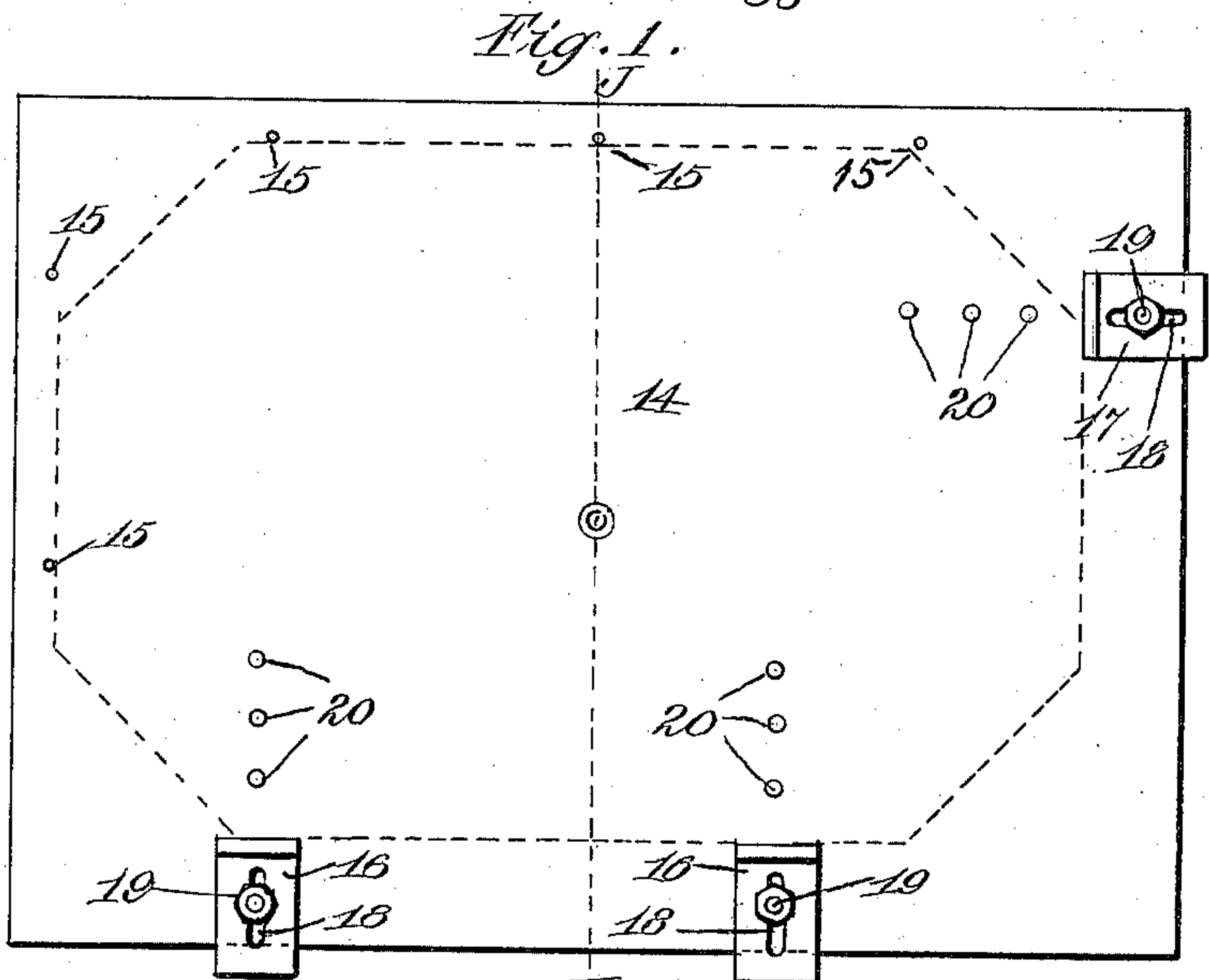
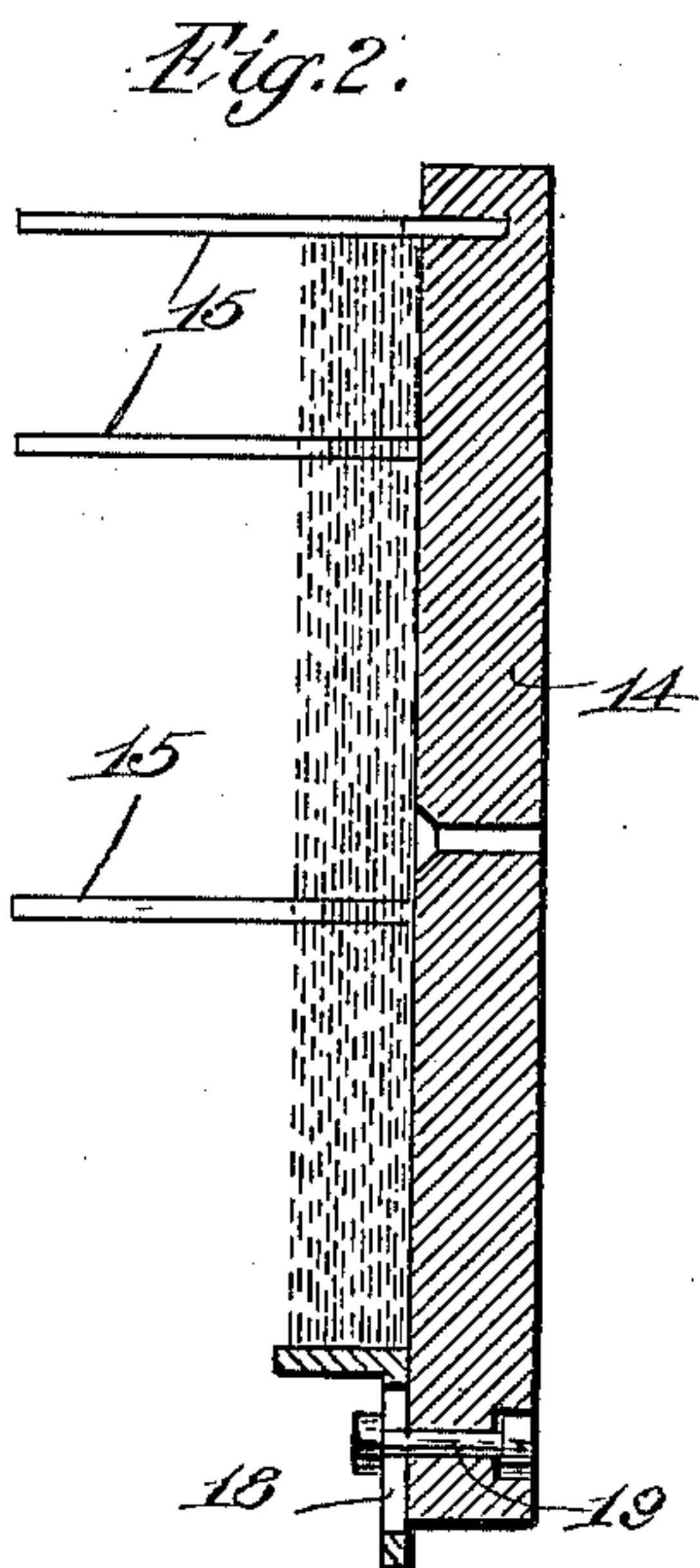
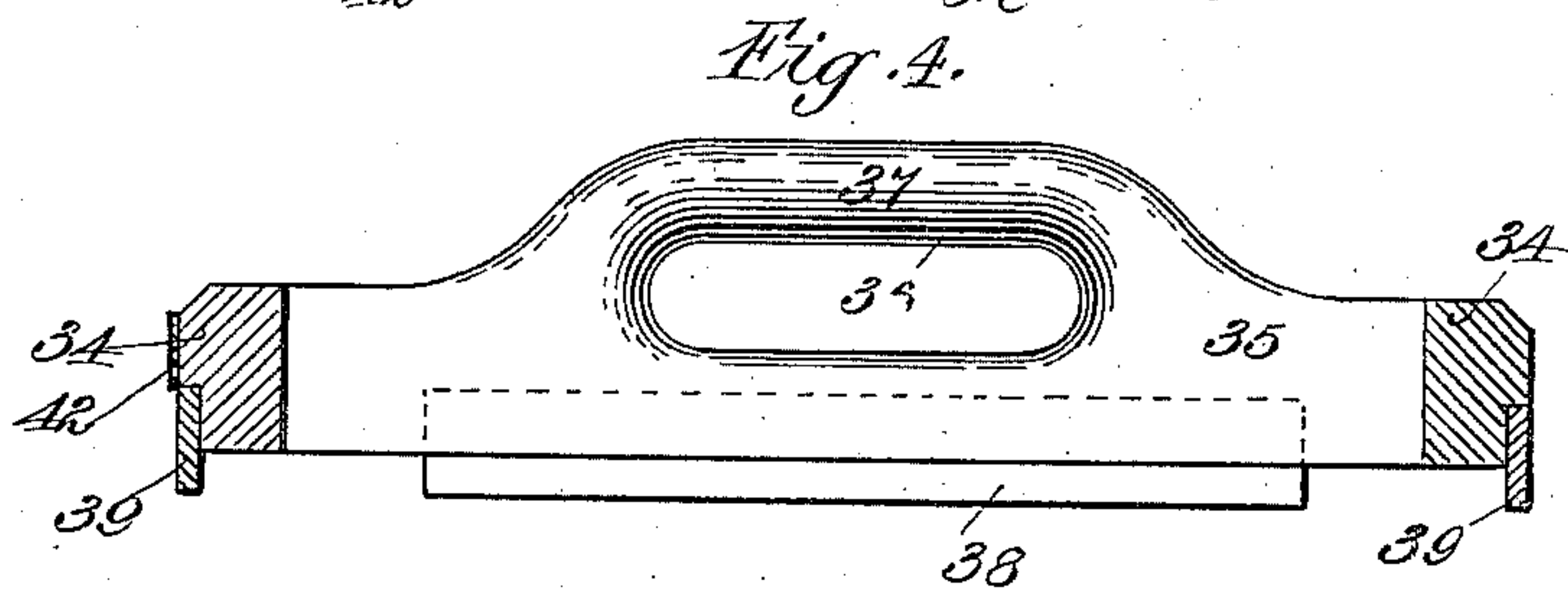
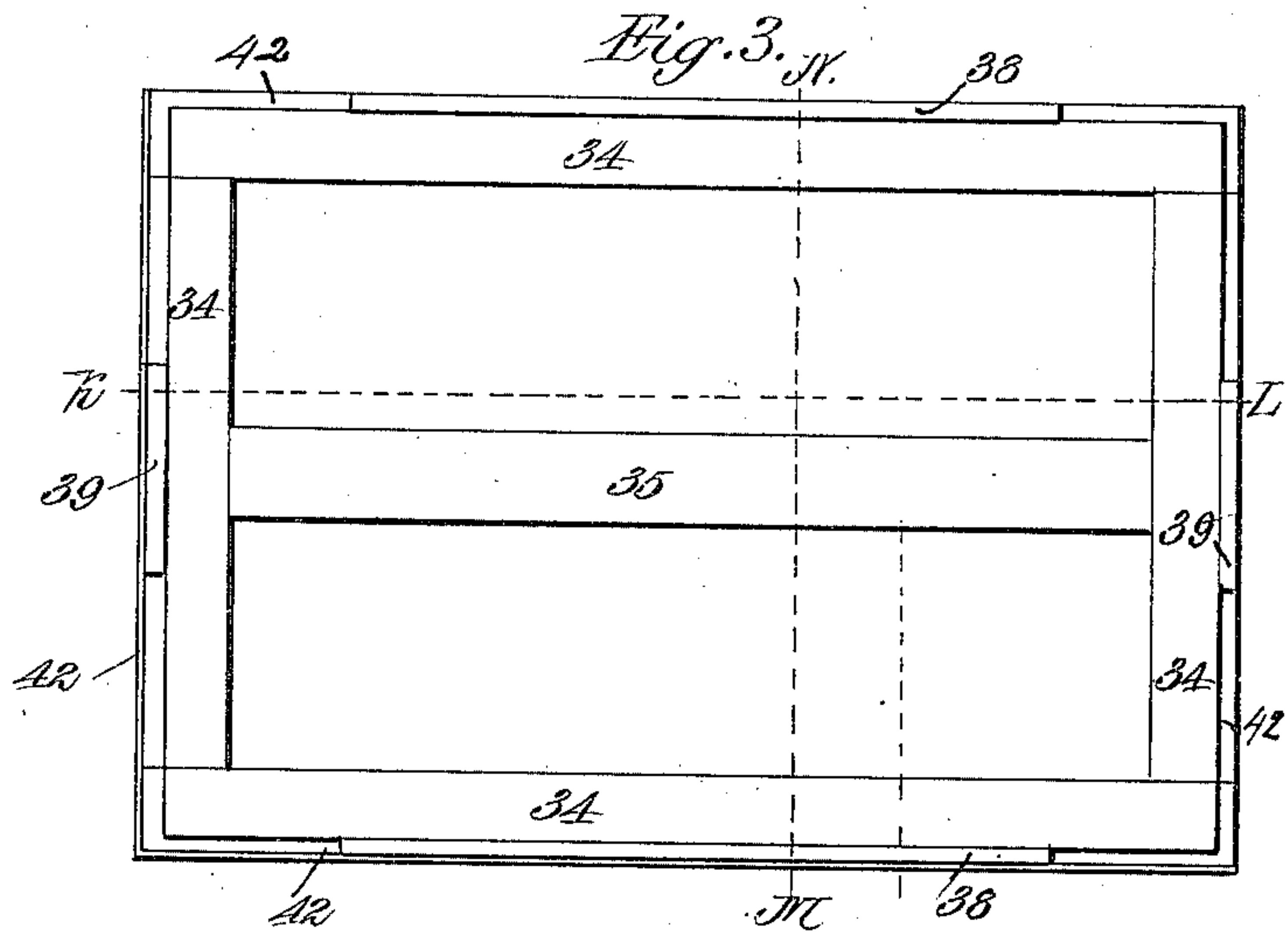
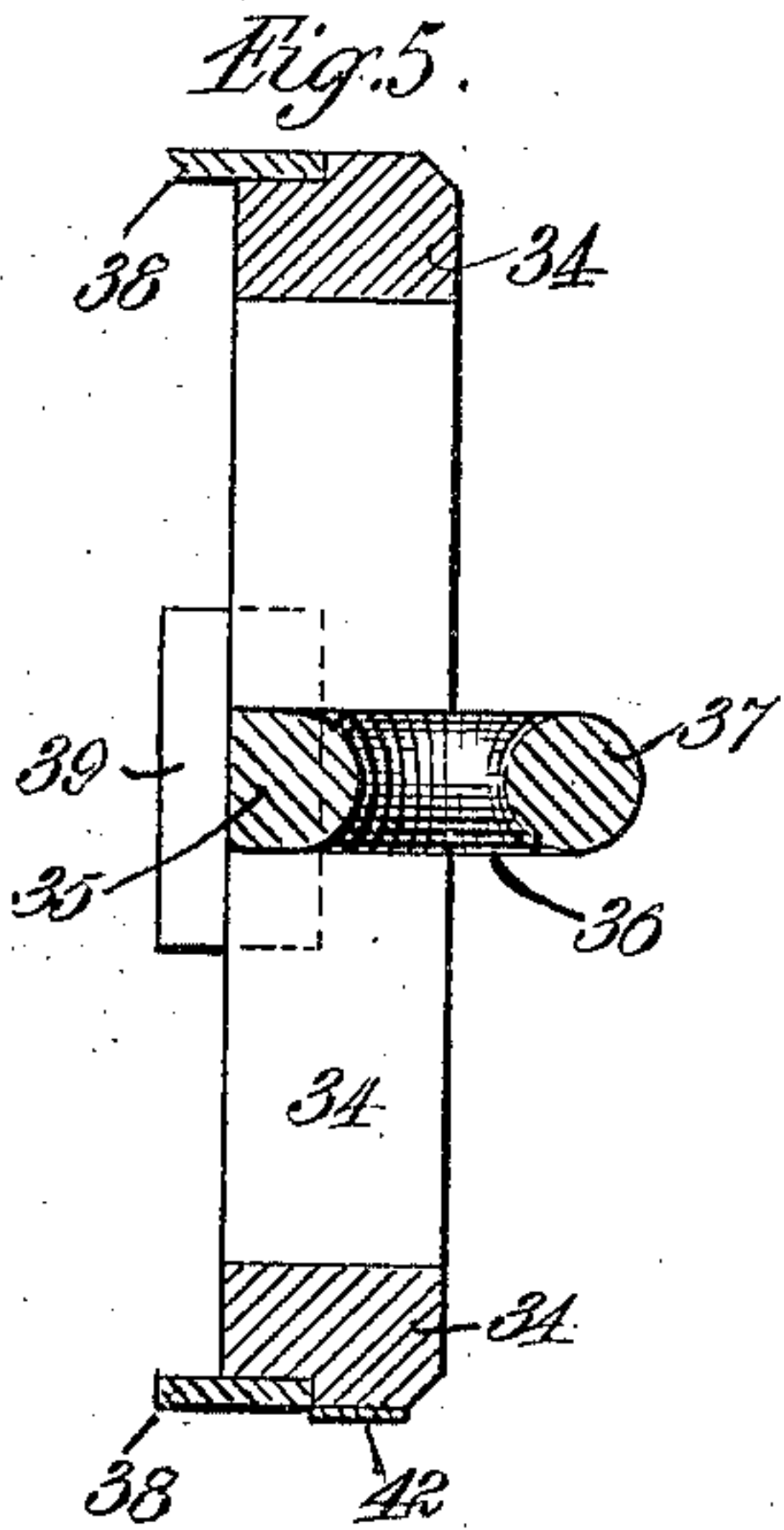
Patented Dec. 10, 1901.

A. E. STINEHOUR.

APPARATUS FOR APPLYING ADHESIVE MATERIAL TO PAPER WRAPPERS.

(Application filed Dec. 5, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

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APPARATUS FOR APPLYING ADHESIVE MATERIAL TO PAPER WRAPPERS.

SPECIFICATION forming part of Letters Patent No. 688,752, dated December 10, 1901.

Application filed December 5, 1900. Serial No. 38,725. (No model.)

To all whom it may concern:

Be it known that I, ALONZO E. STINEHOUR, of Cambridge, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Apparatus for Applying Adhesive Material to Paper Wrappers, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to apparatus for applying adhesive material to paper wrappers; and it consists in certain novel features of construction, arrangement, and combination of parts, which will be readily understood by reference to the description of the accompanying drawings and to the claims hereto appended, and in which my invention is clearly pointed out.

Figure 1 is a plan of the receiver for holding a pile of the paper wrappers in convenient position for having the glue applied thereto, drawn to an enlarged scale. Fig. 2 is a section of the same on line I J. Fig. 3 is an inverted plan of the hand-stamp for applying the glue to the wrappers. Fig. 4 is a sectional elevation of the same, the cutting plane being on line K L. Fig. 5 is a transverse section of the same on line M N on Fig. 3.

Boxes for putting up confectionery having the appearance of bundles have been in use heretofore in which the cover to the box is made to entirely inclose the body of the box and having their outside paper coverings simply wrapped around the top, sides, and ends, with overlapping folds at the ends, said covering being secured to the body of the cover only by being glued to the inner surfaces of the walls of said cover after being folded over the edges of said walls. Said paper wrappers were cut to the form indicated by the dotted lines on Fig. 1, representing an oblong octagon, and heretofore the person who applied the wrapper to the box-cover had to apply the glue or paste with a brush in narrow stripes along the two long sides and to about three-fifths, more or less, of the length of the two end edges before applying said wrappers to the body of the box-cover. This was necessarily a slow operation, and consequently an expensive one. To reduce the expense of applying the paper wrappers to

said box-covers is the object of my present invention, and to this end I have devised the apparatus illustrated in the accompanying drawings and which forms the subject-matter of this application.

In the drawings, 14 represents a rectangular plate, preferably of wood, which has set therein near its rear and left-hand edges a series of upwardly-projecting metal standards 15, which have a height considerably greater than the height of the pile of wrappers to be placed upon said plate 14. Said plate 14 has adjustably secured to its front edge the two gages 16 and to its right-hand edge a similar gage 17, the space between said standards and gages forming a hopper or receiver in which is placed a pile of wrappers, as indicated in dotted lines in Figs. 1 and 2. The gages 16 and 17 are each provided with a slot 18, through which the clamping-bolt 19 passes and is screwed into the plate 14 to clamp said gage to said plate in the desired adjusted position. By means of said slots 18 the gages 16 and 17 may be adjusted to a limited extent to adapt the hopper-space to the size of the wrapper for the time being to be operated upon. If, however, wrappers of considerably less size are to be used, a greater adjustment of the gages 16 and 17 may be made than the slots 18 will permit of by changing the bolts 19 to either of the holes 20. (Shown in Fig. 1.)

The plate 14 is mounted upon any suitable table, (not shown,) upon which is also mounted a glue-distributing plate. (Also not shown.) In Figs. 3, 4, and 5 is illustrated a hand-stamp, by which the glue is transferred from the distributing-plate to the upper one of the pile of wrappers placed on the plate 14 between the standards 15 and the gages 16 and 17, said stamp consisting of a rectangular frame 34, having its lower outer corner rabbeted and provided with the central bar 35, provided with the opening 36 to form a handle 37, as shown. Metal plates 38 and 39 are secured in the rabbets 40 of the frame 34 and project below the under surface of said frame to a sufficient distance to prevent any glue coming in contact with said frame when taking glue from the glue-distributing plate, the plates 38, secured to the

longer sides of the frame 34, being of a length corresponding to the length of the longest sides of the paper wrappers upon which it is to be used, and the plates 39 have a length
 5 equal to about three-fifths of the length of the end edges of said wrappers, as shown.

The operation of my invention is as follows: The hopper having a pile of wrappers placed therein and the distributing-plate having a
 10 thin coating of hot glue spread thereon, the operator takes the hand-stamp in his right hand and places the edges of the plates 38 and 39 in contact with said glue, so as to take up thereon a quantity of glue, then transfers
 15 said stamp to a position above said pile of wrappers, with one side and one end in contact with the standards 15, then presses said stamp downward upon the upper wrapper in said pile to apply said glue thereto along the
 20 desired lines, and then raises said wrapper, with said stamp, and transfers it to a convenient position to be seized by the person who is to apply it to the box-cover.

By the use of this apparatus a great saving
 25 in time is made in applying the paper wrappers to bundle confectionery-boxes.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

In an apparatus for applying adhesive material to paper wrappers, in lines near all four
 30 edges thereof, the combination of a receiver-plate; a series of adjustable gages secured to said receiver-plate along one side and one end thereof, and having heights equal to the desired height of the pile of wrappers to be
 35 placed upon said receiver-plate; and a series of gage-standards set in fixed positions in said receiver-plate along its opposite side and end, and projecting upward therefrom to a sufficient height above the tops of said adjustable
 40 gages, to serve as a ready means of accurately locating a hand-stamp in a proper position above said wrappers, before pressing it into contact therewith.

In testimony whereof I have signed my
 45 name to this specification, in the presence of two subscribing witnesses, this 3d day of December, A. D. 1900.

ALONZO E. STINEHOUR.

Witnesses:

N. C. LOMBARD,

ALFRED E. HOUGHTON.