

919,760.

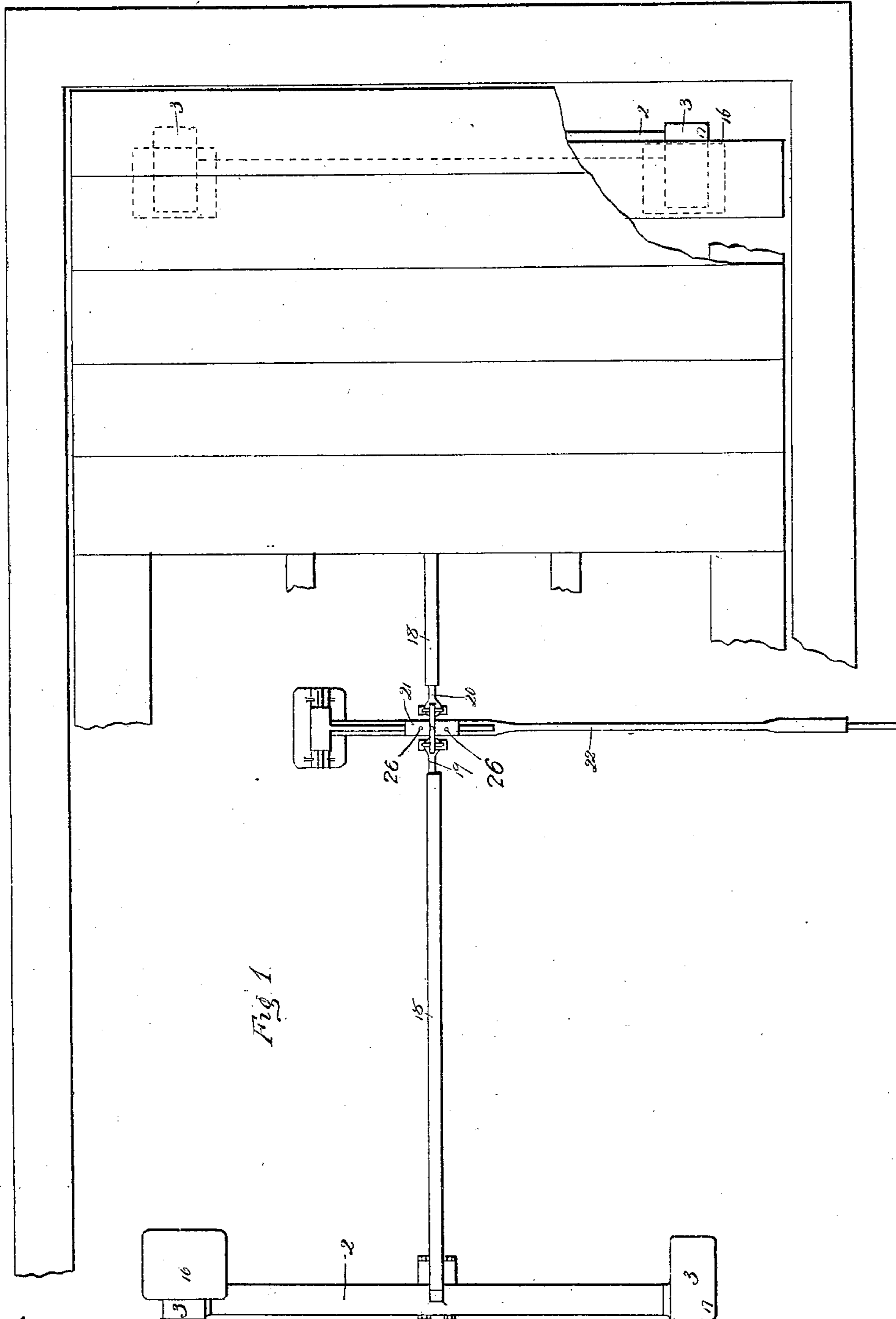


Fig. 1.

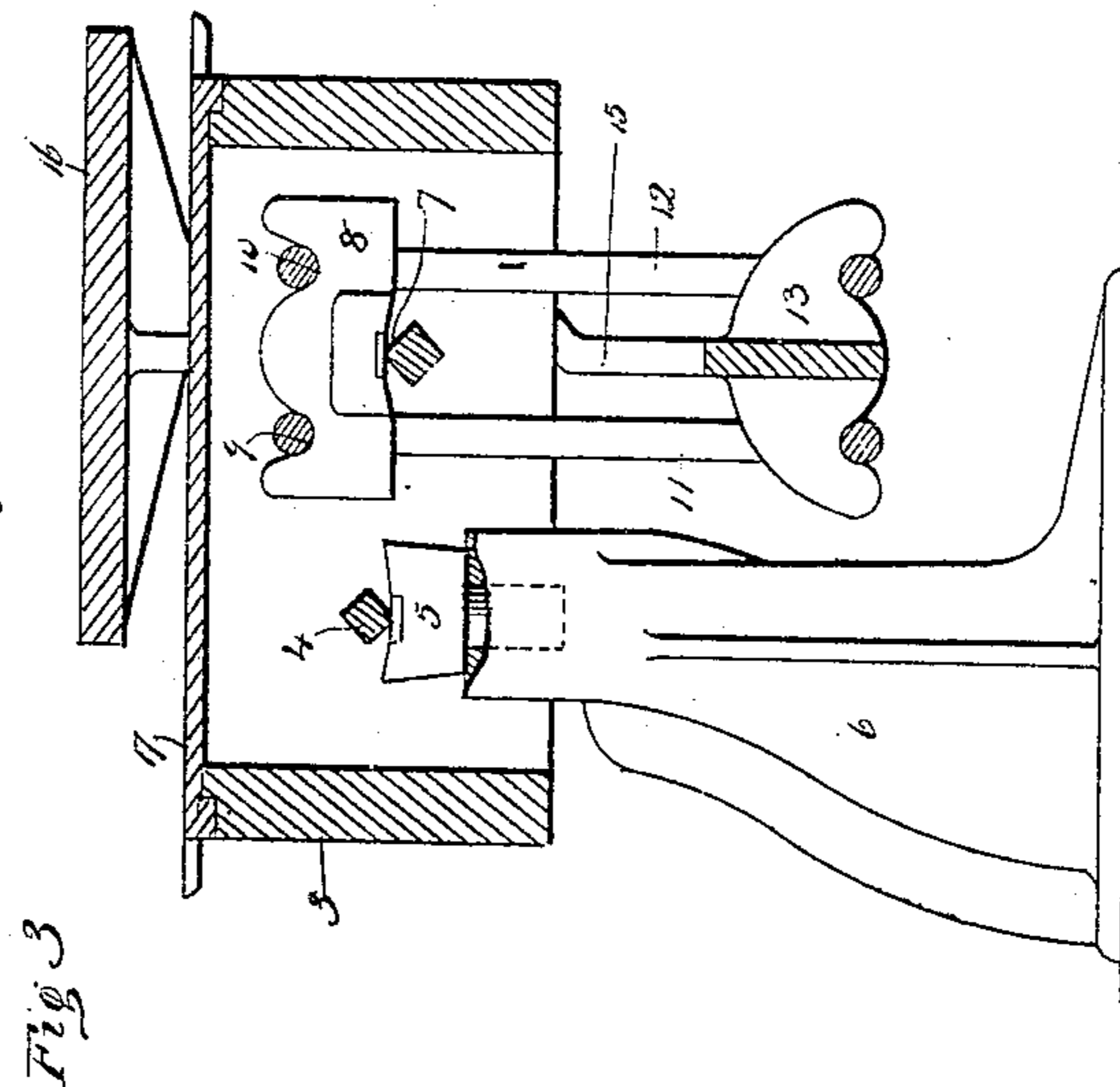
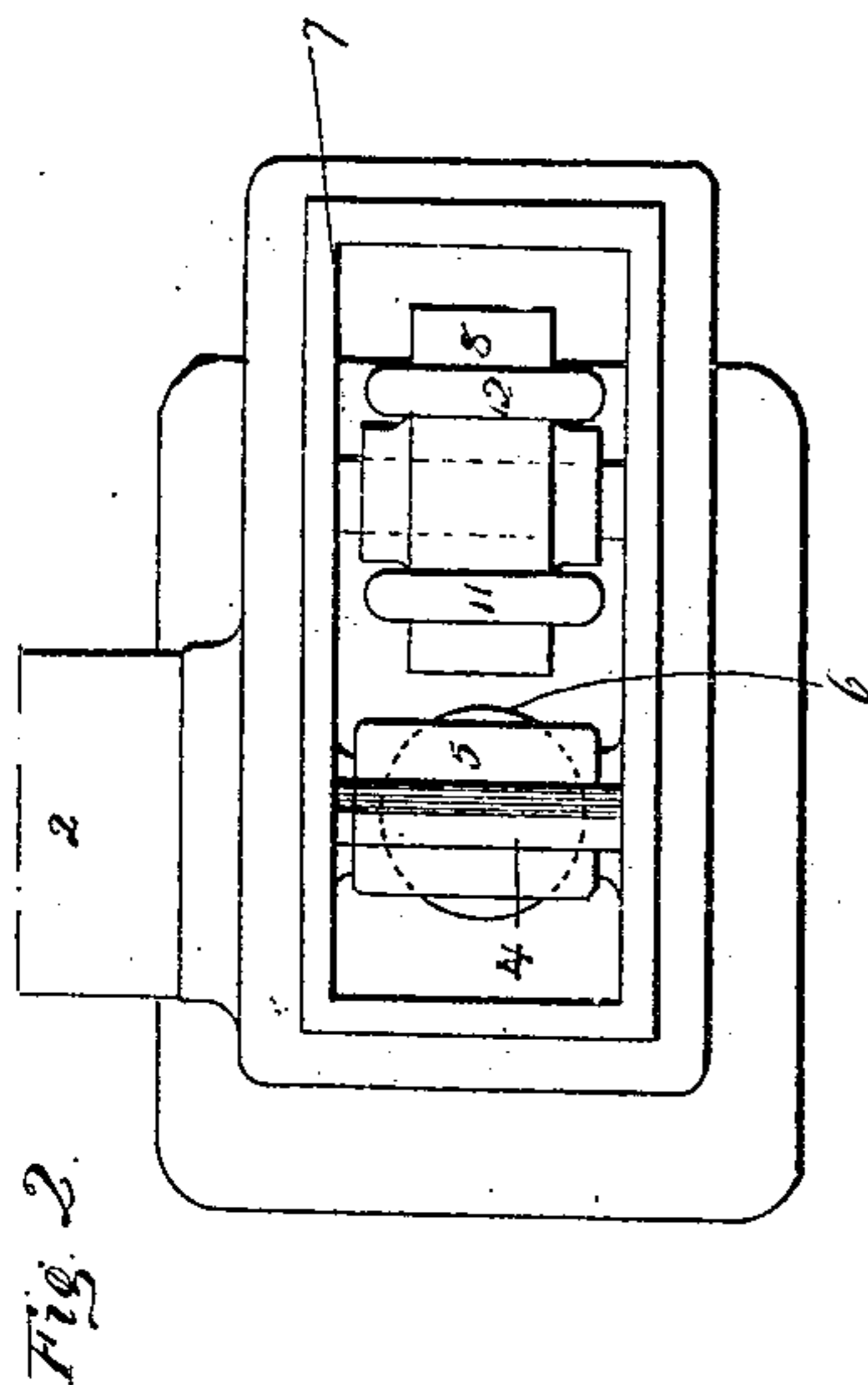
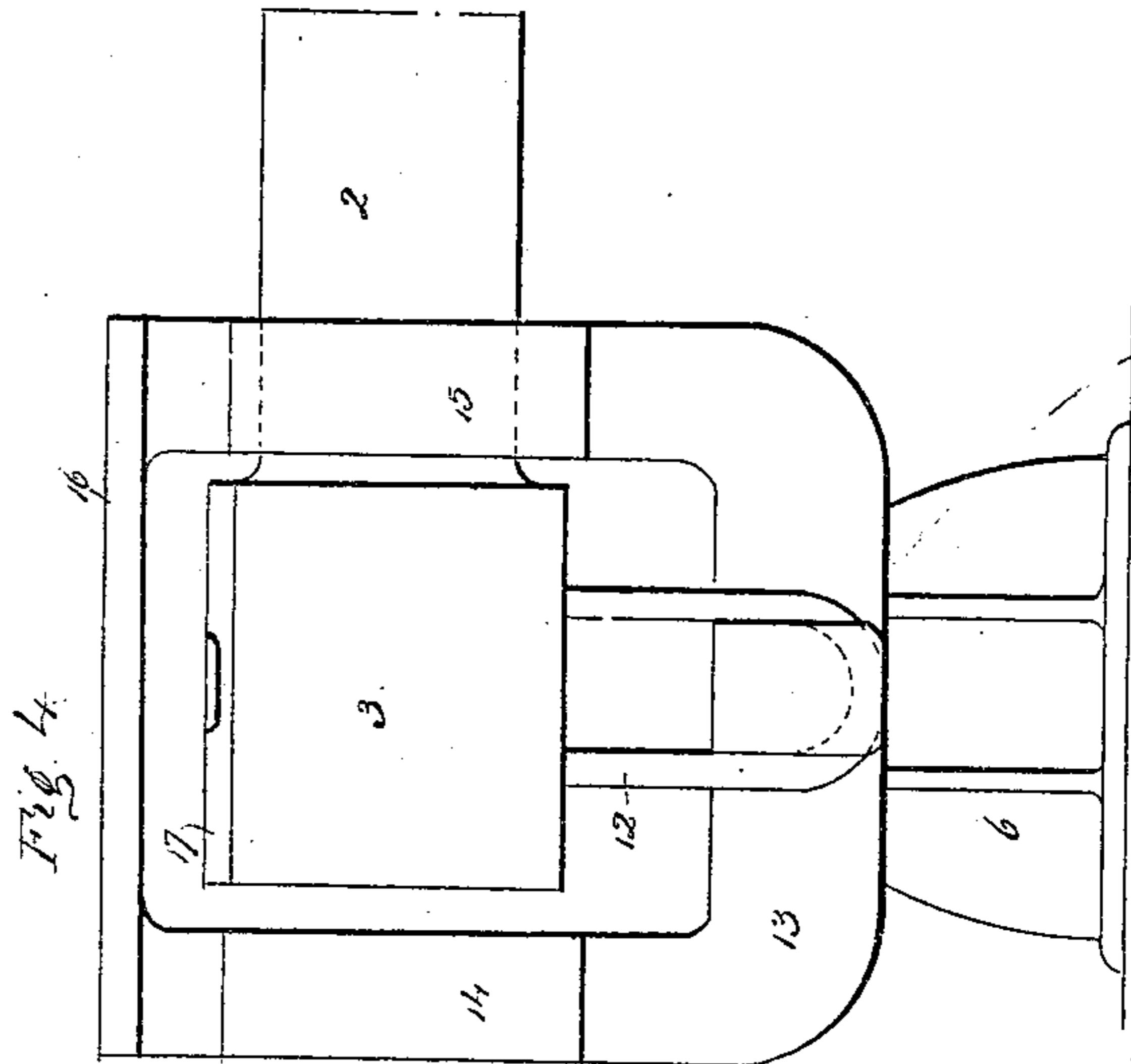
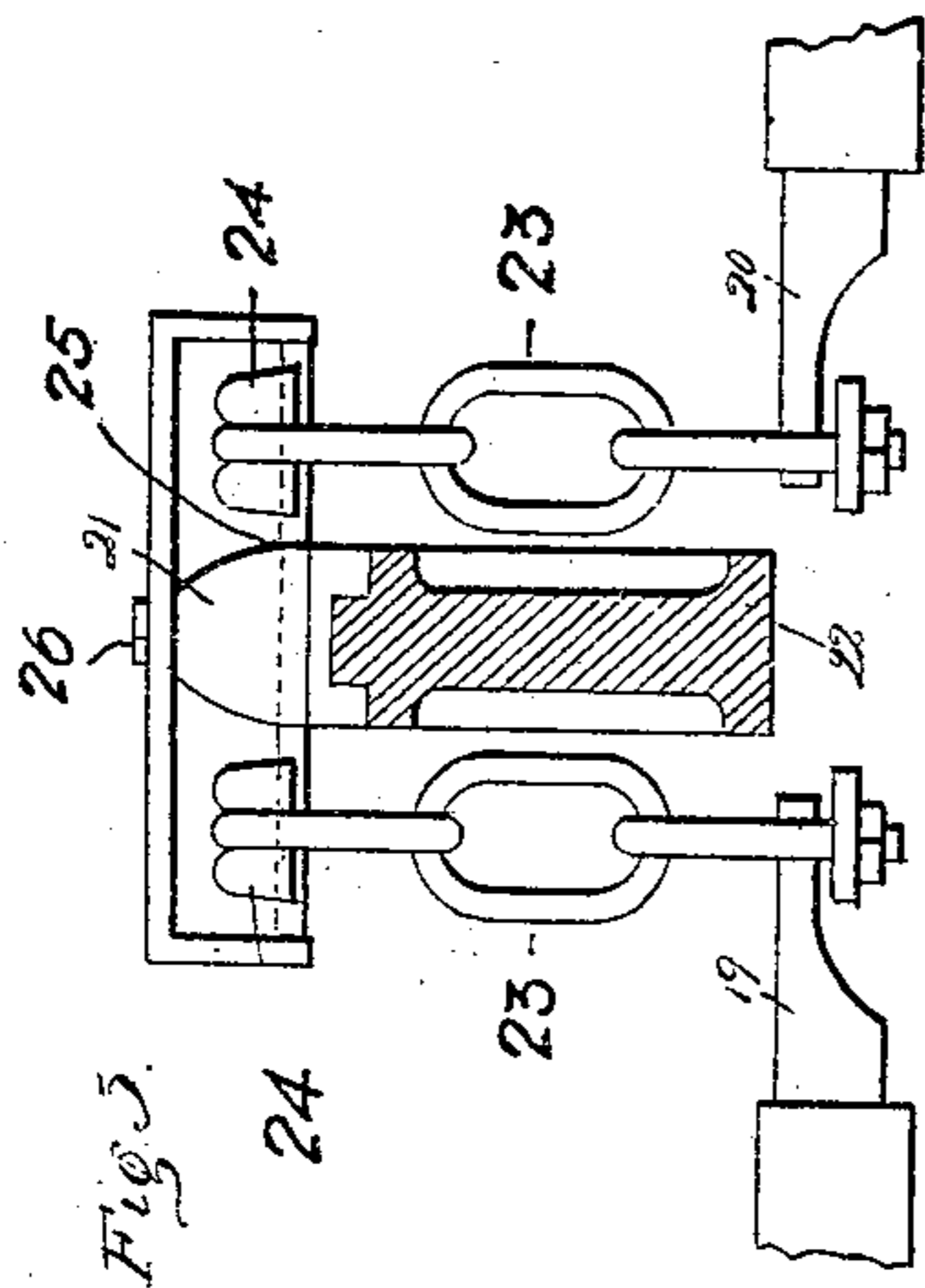
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PLATFORM SCALE.
APPLICATION FILED OCT. 1, 1908.

Patented Apr. 27, 1909.
2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

ANTHONY PETROWSKY, OF NEW HAVEN, CONNECTICUT.

PLATFORM-SCALE.

No. 919,760.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed October 1, 1908. Serial No. 455,753.

To all whom it may concern:

Be it known that I, ANTHONY PETROWSKY, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Platform-Scales; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a top or plan view of a platform scale with a portion of the planking removed. Fig. 2 a top or plan view of one of the bearing boxes with the cover removed. Fig. 3 a longitudinal sectional view through one of the boxes. Fig. 4 a front view of one of the boxes and parts adjacent thereto. Fig. 5 a sectional view showing the engagement of the arms with the central lever.

This invention relates to an improvement in platform scales, and particularly to large scales for weighing heavy loads such as loaded trucks of stone, coal, hay, etc. As usually arranged the platforms of such scales are in exposed places and such scales are adjusted to weigh within certain limits, the object of the invention being the construction of bearings for the platform which will exclude water and dirt and arrange the levers so that they may be adjusted; and the invention consists in the construction hereinafter described and particularly recited in the claims. The scales generally may be of any approved type, the scale beam forming no part of this invention.

In carrying out my invention I provide that the scales shall not be hung from corner irons as is usual, but shall rest on piers in such a way as to require no checkrod, the movement of the platform being controlled by the construction of the bearing which is as follows:—The opposite ends of the pipe levers 2 are provided with boxes 3, and transversely through the boxes are fulcrum pivots 4 which rest upon the usual blocks 5, these blocks being seated in the upper end of the bottom chairs 6. Also extending through each of the boxes and parallel with the fulcrum pivot 4 is a bearing edge 7 on which the top bearing block 8 rests. This block is a comparatively wide block with notches 9 and 10. Depending from this block and seated in the notches thereof are loops 11 and

12. These loops at their lower ends support a yoke 13, the sides 14 and 15 of which are bowed and extend downward from the top chair 16 on which the usual planking rests, and so that as the platform moves when a load is drawn upon it, the top bearing block will not rock on its bearing edge and so destroy that edge, but owing to the connection of the yoke with the links these parts will swing.

Extending over the tops of the boxes and fitting closely thereon are covers 17 which protect the bearings and yet permit ready access thereto. Connected with the pipe levers are the usual arms 18 the ends of which are tubular and support fingers 19 and 20 which are supported through links 23 which are suspended on blocks 24 which bear upon a knife edge 25 of a slide block 21 longitudinally adjustable upon the central lever 22 which extends into engagement with the scale beam. The block 21 is secured to a central lever 22 by screws or bolts 26. Thus the central lever may be adjusted back and forth with relation to the arms 18 according to the limits of the weighing capacity of the scales and also set at any desired angle with relation to the arms 18.

I claim:—

1. In a platform scale, the combination with the pipe levers, of boxes formed integral therewith, bearing pivots mounted in each box, shoe bearings on said pivots, loops hung upon said shoes, bearings above said boxes, a yoke extending from each of said bearings downward on opposite sides of said boxes, said yokes supported by said loops, and a cover over the entire top of each box, substantially as described.

2. In a platform scale, the combination with the pipe levers, of boxes at the opposite ends thereof, bearing pivots in said boxes, a shoe mounted on each of said pivots, loops suspended from said shoes on opposite sides of said pivots, a bearing plate above each box, a yoke extending downward from each bearing, the opposite sides of the yokes extending outside the sides of said boxes, the yokes engaged with said loops, and a cover extending entirely over the top of said boxes, substantially as described.

3. In a platform scale, the combination with the pipe levers, of boxes formed integral therewith, a bearing pivot mounted in each box, shoe bearings on said pivot, loops hung upon said shoes, platform bearings

above said boxes, a yoke extending from
each of said platform bearings downward on
opposite sides of said boxes, said yokes sup-
ported by said loops, a pivotally mounted
5 central lever, a block adjustably mounted
thereon, arms supported by said block and
extending into engagement with said pipe-
levers, substantially as described.

In testimony whereof, I have signed this
specification in the presence of two subscrib- 10
ing witnesses.

ANTHONY PETROWSKY.

Witnesses:

FREDERIC C. EARLE,
CLARA L. WEED.