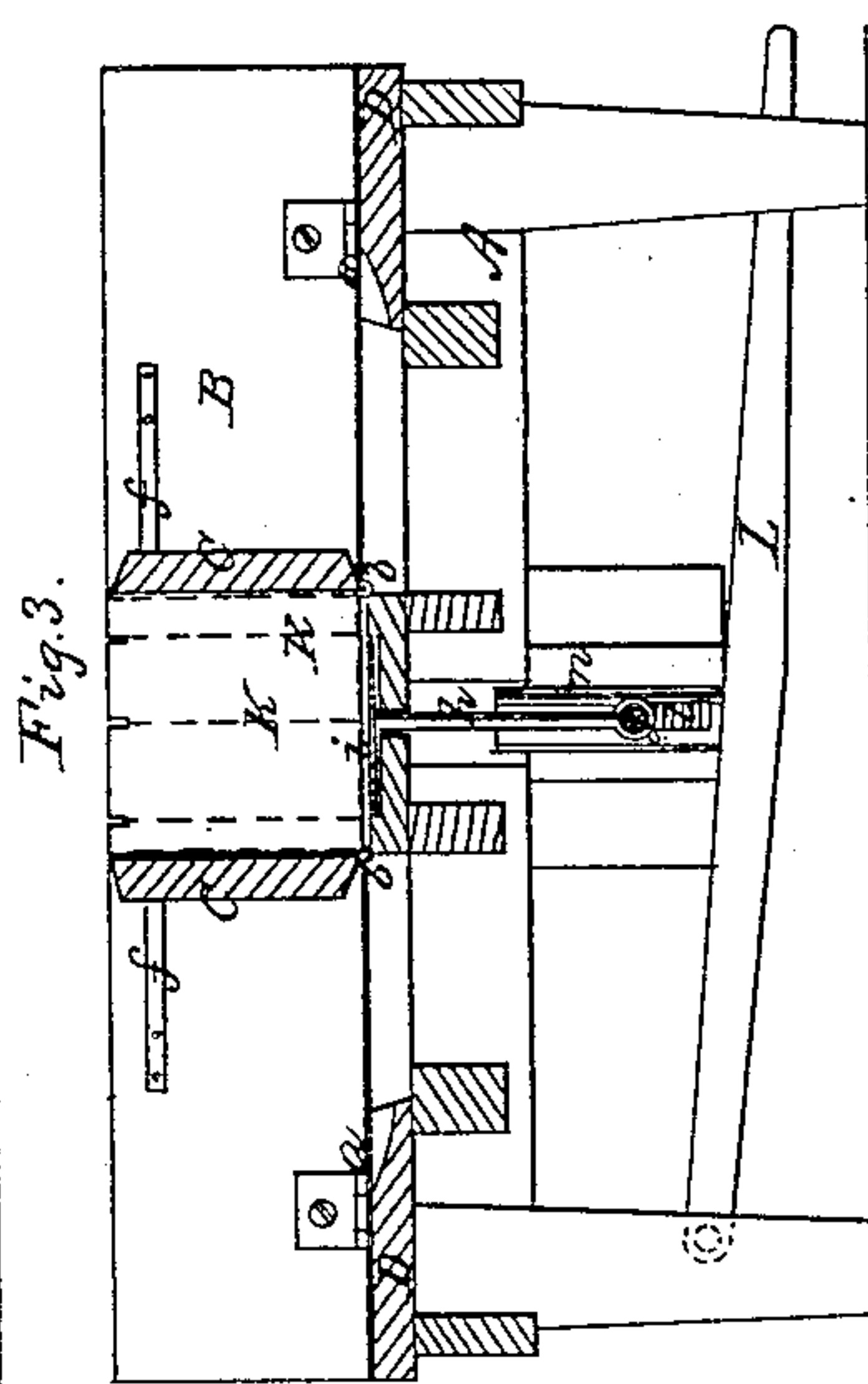
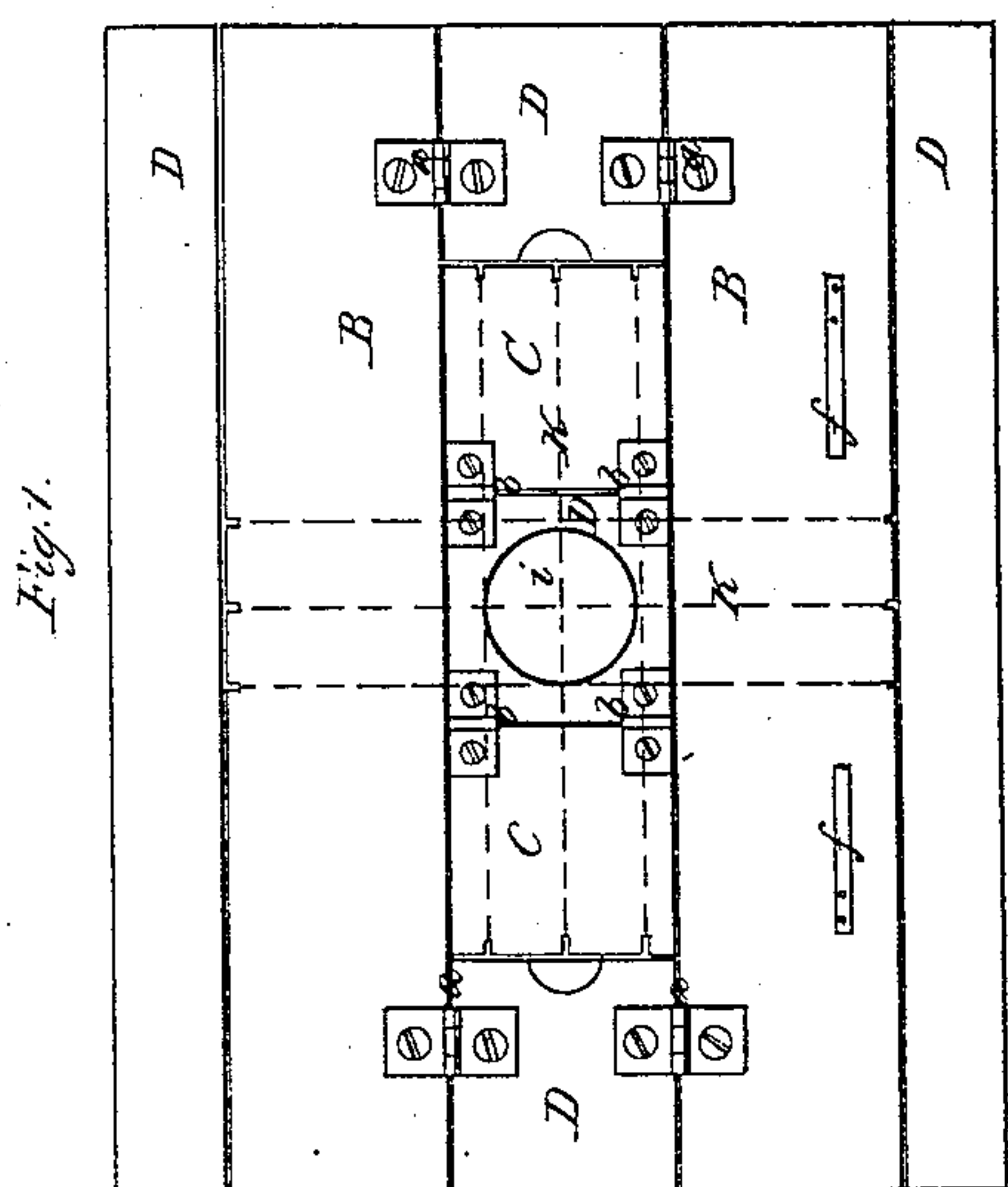
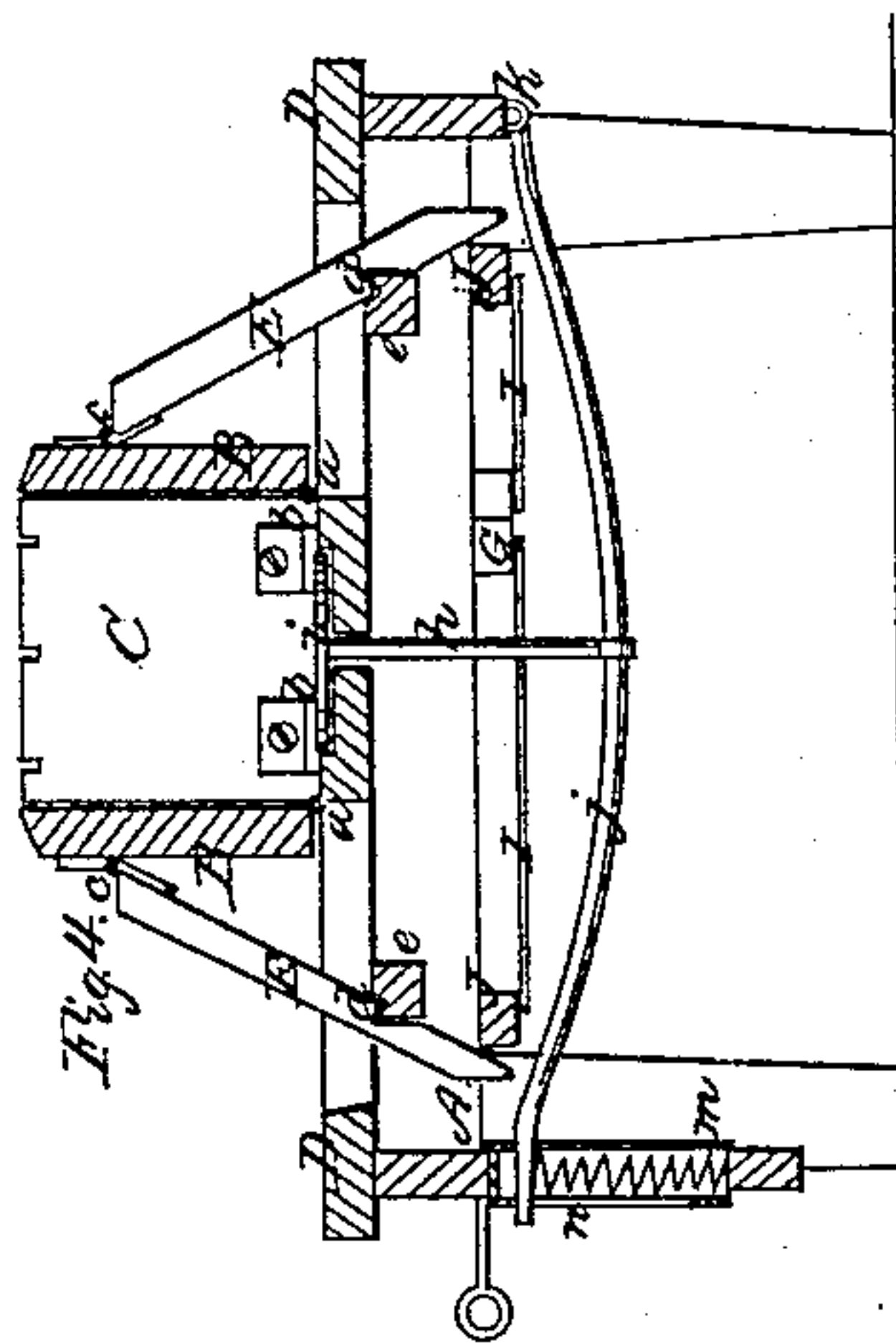
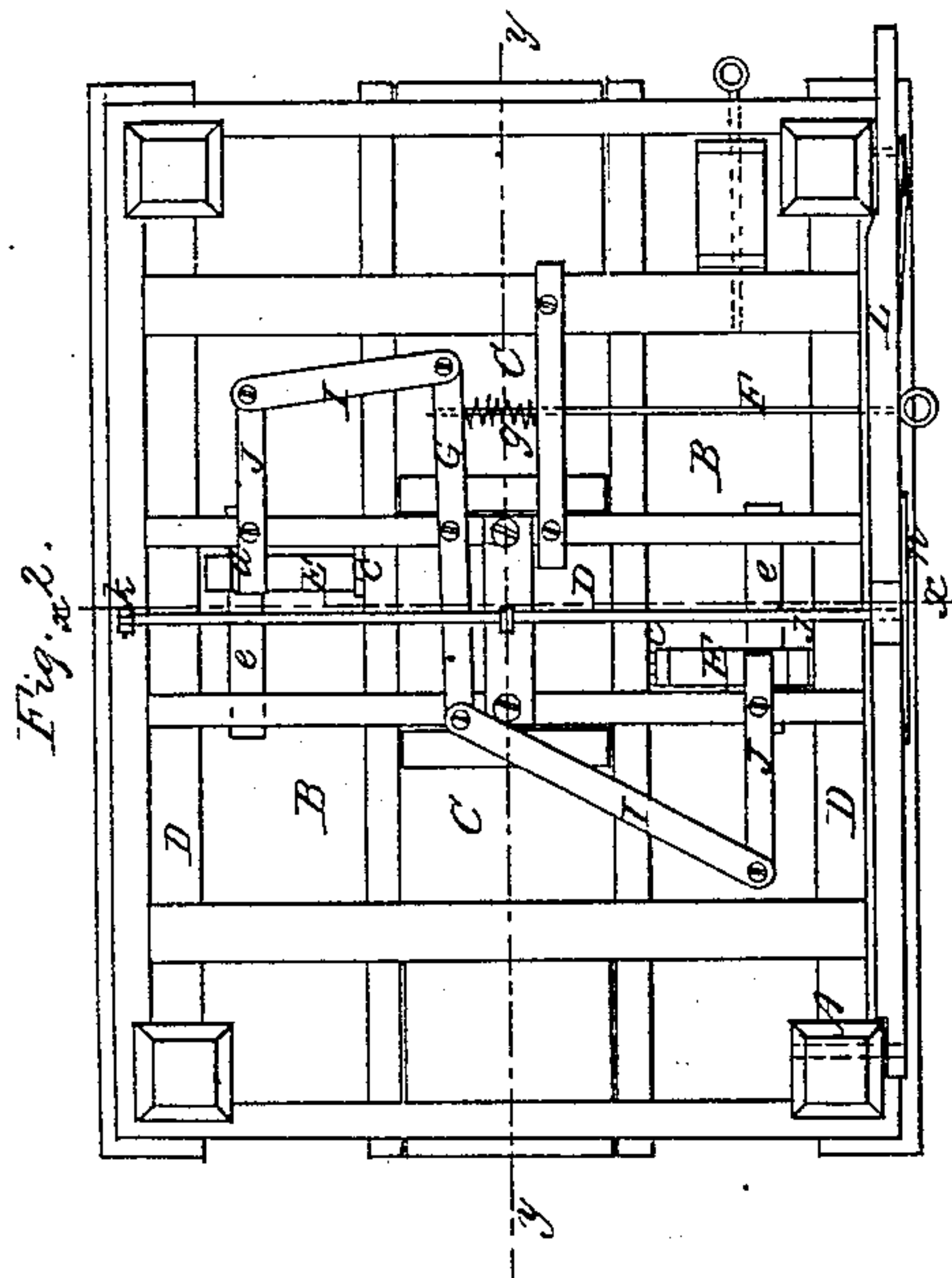


A. W. Fox,
Wool Press,
No 82,103, *Patented Sep. 15, 1868.*



Witnesses:-
Wm A. Morgan
G. C. Cotton

Inventor:-
A. W. Fox.

per *Mumford & Co*
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United States Patent Office.

A. W. FOX, OF COLUMBIAVILLE, MICHIGAN.

Letters Patent No. 82,103, dated September 15, 1868.

IMPROVED DEVICE FOR PRESSING, PACKING, AND WEIGHING WOOL.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, A. W. Fox, of Columbiaville, in the county of Lapeer, and State of Michigan, have invented a new and useful Improvement in a Machine for Packing, Pressing, and Weighing Wool and other similar substances; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan or top view of my invention.

Figure 2, an inverted plan of the same.

Figure 3 is a vertical section of the same, taken in the line *x x* of fig. 2.

Figure 4 is a vertical section of the same, taken in the line *y y*, fig. 2, which is at right angles to the section-line *x x*.

Similar letters of reference indicate like parts.

This invention relates to a new and useful machine for packing, pressing, and weighing wool and other similar substances.

It consists in a novel construction and arrangement of parts, as hereinafter fully shown and described, whereby the desired work may be done very expeditiously, and in a thorough or perfect manner.

In the accompanying sheet of drawings—

A represents a rectangular frame or support, having a horizontal bed or platform on its top, composed of hinged parts, B B, C C, and fixed portions, D.

The parts B B are hinged to portions D, as shown at *a*, and these parts, B, extend the whole length of the top, and open inward or towards each other.

The hinged portions C C are smaller than B B, and are hinged, as shown at *b*, to a central fixed part, D, the portion C C opening at right angles to B B, (see fig. 1.)

To the under side of each hinged part, B, there is attached, by a hinge or joint, *c*, a bar, E, and these bars are each provided with a notch, *d*, which, when the parts B are raised to a vertical position, catch on fixed bars, *e*, in the frame A, and retain the parts B in such position, (see fig. 4.)

The parts C C are retained in a vertical position by means of spring-catches, *f*, attached to one of the parts B, (see fig. 3.)

The hinged parts B B, when it is desired to close or let them down, are released by throwing the bars E off from the fixed bars *e*, which is accomplished by simply pulling a rod, F, (see fig. 2,) the inner end of which is connected to a lever, G, underneath the platform, the ends of said lever having arms, I I, pivoted to them, and the outer ends of said arms being pivoted to levers, J J, which, when the rod F is pulled, come in contact with the bars E, and throw them off from *e*, a spring, *g*, on rod F, having a tendency to keep the levers J free from the bars E.

K are strings, attached to the edges of the hinged parts B B, C C, and extend entirely over their upper surfaces, from edge to edge, as shown clearly in fig. 1.

The wool or substance to be pressed, packed, and weighed, is placed on the hinged parts B B, C C, and the latter raised to a vertical position, as shown in figs. 1 and 2, and there pressed or packed, and bound by the strings K.

The substance is weighed by the following means: The central fixed part D has a rod, *h*, passing centrally through it. Under the top of *h* there is secured a circular plate, *i*, on which the pressed and bound substance rests after the hinged parts B B, C C are let down.

The rod *h* is attached at its lower end to a bar, *j*, one end of which is connected, by a joint, *k*, to one side of the frame A, and the opposite end rests on a spiral spring, *l*, in a tube, *m*, which is attached to a lever, L, at one side of the frame A.

The spring *l* and tube *m* constitute an ordinary spring-balance weighing-device, the end of the bar *j*

extending through a slot in a plate, *u*, attached to the tube, said plate being graduated to indicate the weight, and the projecting end of the bar *j* serving as an index.

During the packing and binding of the substance, the lever *L* is let down, so that the circular plate *i* will rest on the top of the central fixed part *D*. After the substance is thus packed and bound, and the hinged parts *B B*, *C C* let down, the lever *I* is raised, and the bound substance is supported on the plate *i*, and the weight consequently obtained by referring to the graduated plate of the spring-balance.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The weighing-device, consisting of the circular plate *i*, rod *p*, hinged bar *j*, tube *m*, spring *l*, and lever *L*, in combination with the hinged parts *B B*, *C C*, and fixed part *D* of the packer, as herein described for the purpose specified.

A. W. FOX.

Witnesses:

ALFRED PETIT,

RODNEY M. MILLER.