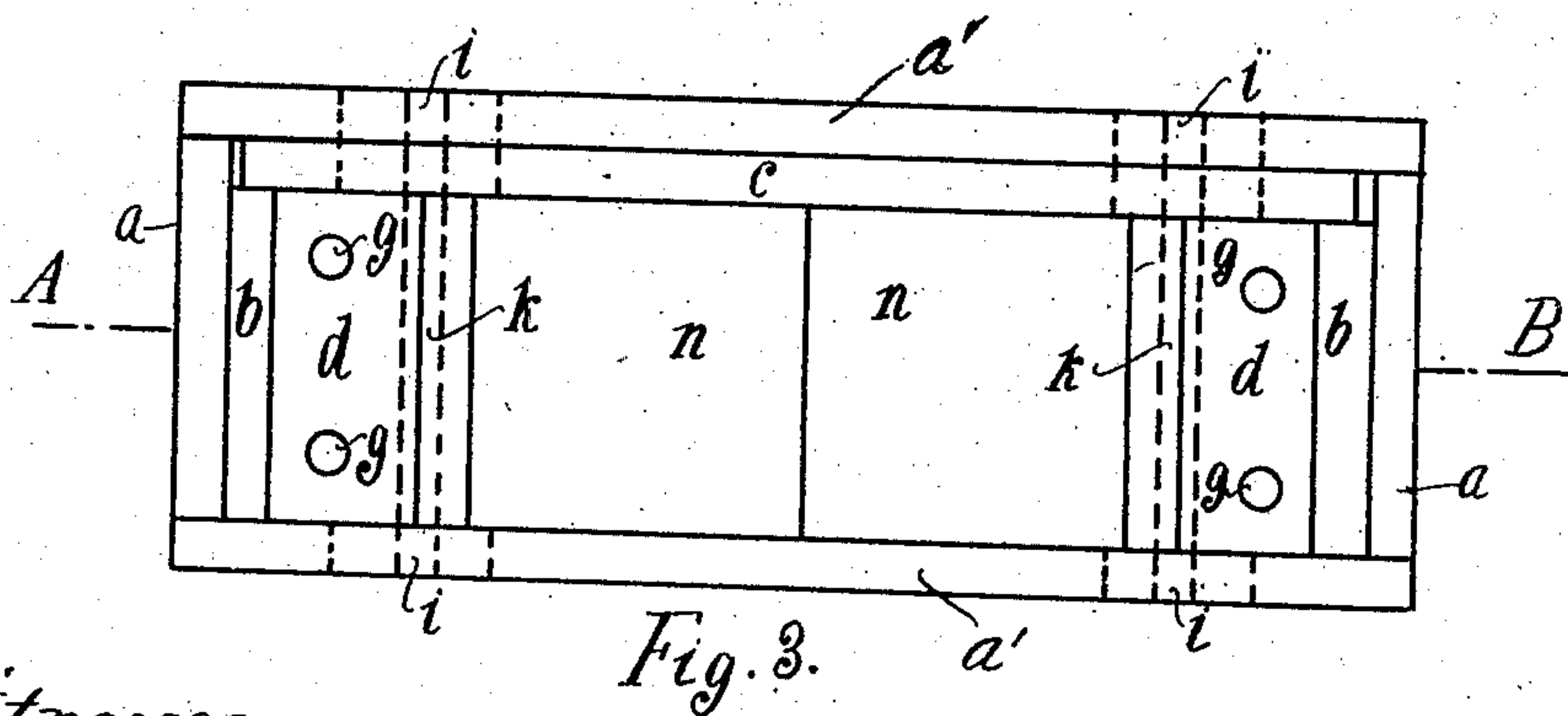
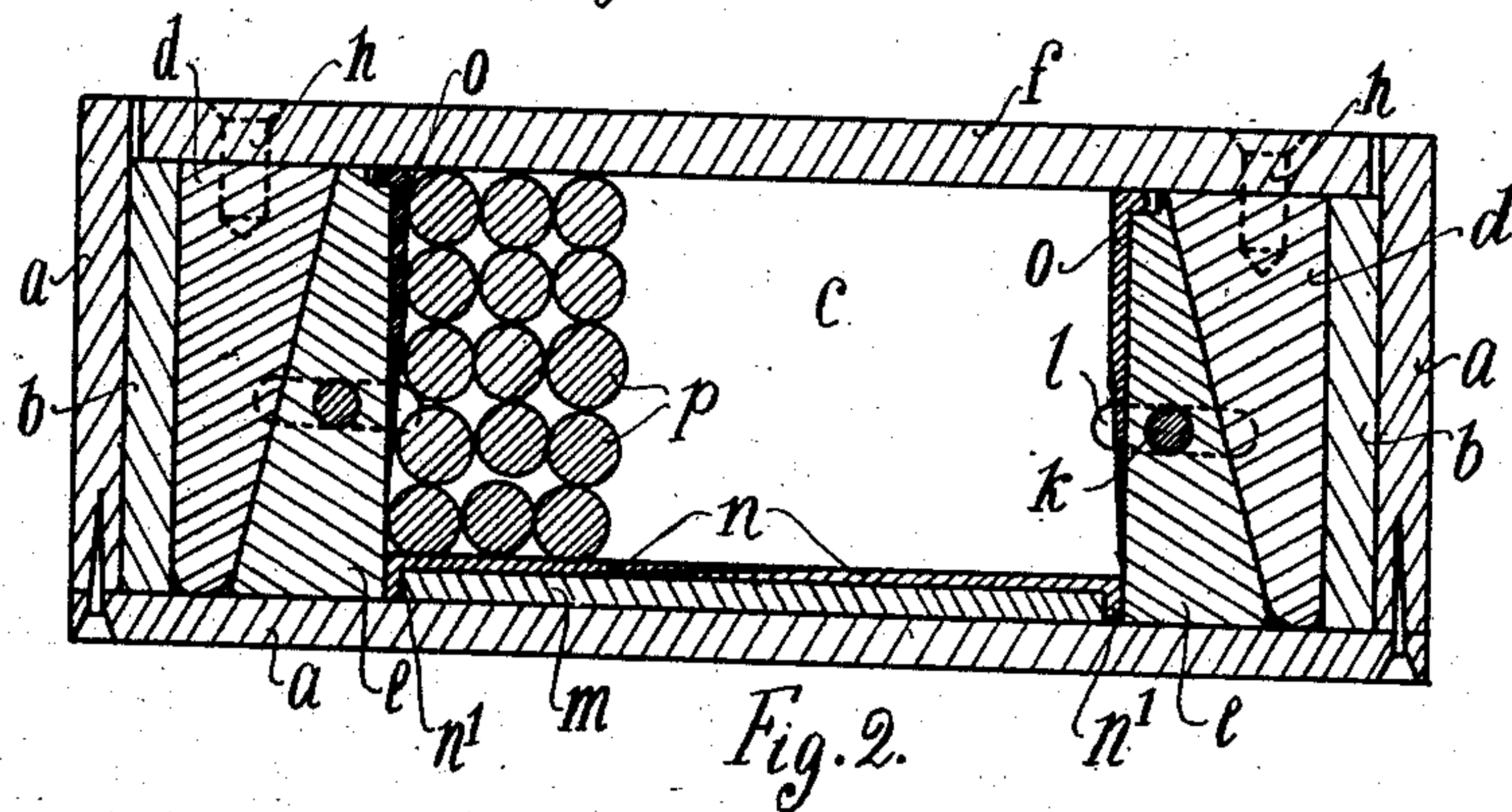
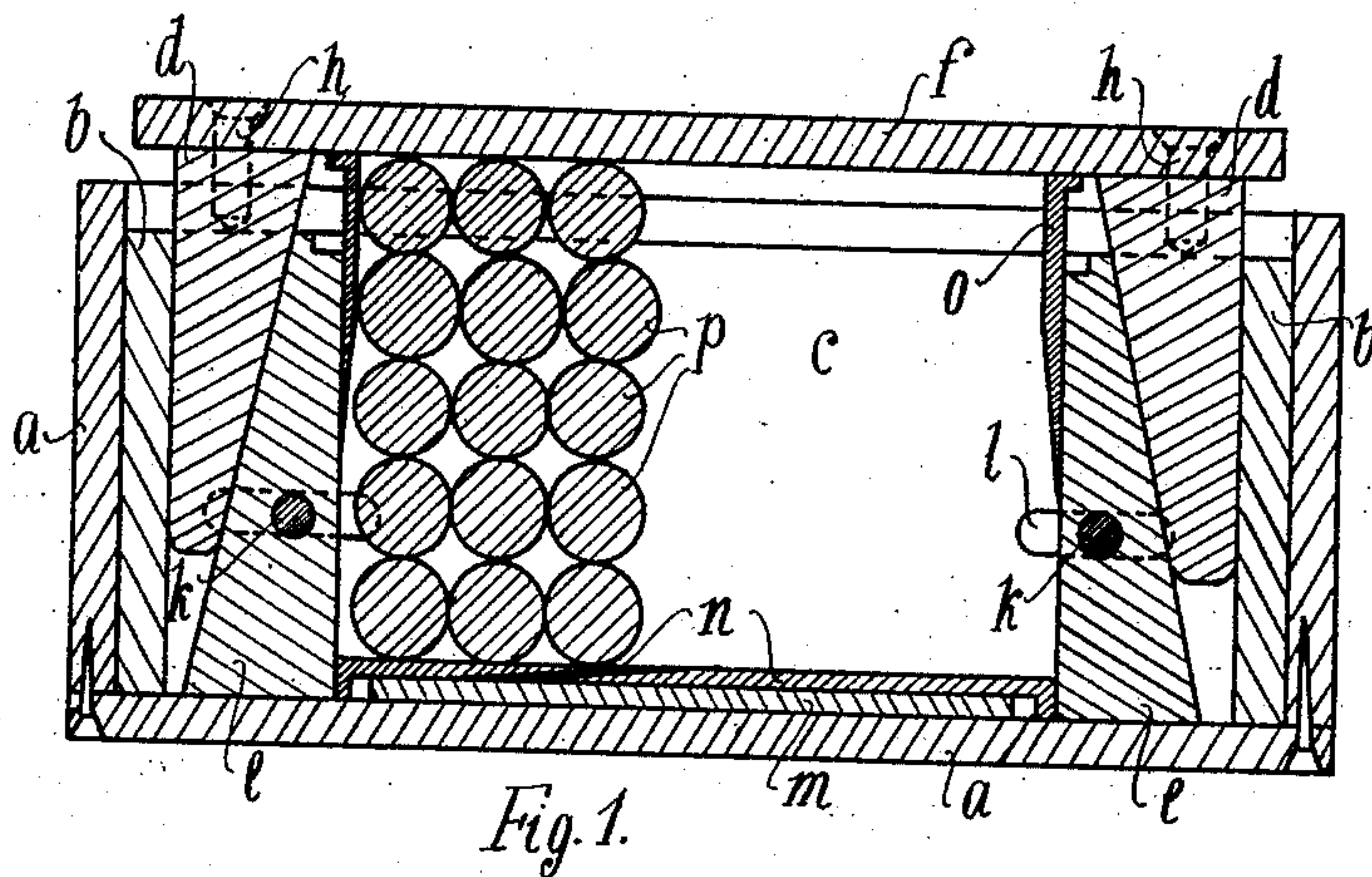


No. 840,183.

PATENTED JAN. 1, 1907.

R. WOERNER.
CIGAR PRESSING BOX.
APPLICATION FILED MAR. 12, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

ROBERT WOERNER, OF MANNHEIM, GERMANY.

CIGAR-PRESSING BOX.

No. 840,183.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed March 12, 1906. Serial No. 305,684.

To all whom it may concern:

Be it known that I, ROBERT WOERNER, a citizen of the Empire of Germany, residing at Mannheim, in the Empire of Germany, have
5 invented a new and useful Cigar-Pressing Box, of which the following is a specification.

My invention relates to a box with two opposite pairs of wedges, a cover, and a plurality of sharpened sliding pieces for filling up
10 the recesses in the corners, so that by merely pressing on the cover the cigars will be compressed in two directions at right angles to each other. The box is, moreover, made adjustable for various sizes of the parcel of
15 cigars.

I now proceed to describe my invention with reference to the accompanying drawings, in which—

Figure 1 is a vertical cross-section through
20 a cigar-pressing box on the line A B in Fig. 3, the cigars being shown previous to their compression. Fig. 2 is a similar section after the compression of the cigars; and Fig. 3 is a plan
25 of the box without cigars, the cover being removed.

Similar letters of reference refer to similar parts throughout the several views.

The box proper, *a*, is made of a convenient size and is provided in each long side with
30 two horizontal lengthy slots *l l*. A replaceable distance-piece *c* is made to bear against one of the long sides *a'* of the box *a* and should leave a clear width about equal to the length of the cigars *p*. The piece *c* is provided with two horizontal slots which register with those, *l*, of the box *a*. Two further
35 distance-pieces *b b* are applied to the two short sides of the box *a*, and two pairs of wedges *e d* and *e d* are disposed for bearing
40 against these short distance-pieces *b b*. The two external wedges *d d* should taper downward, and the two internal wedges *e e* should taper upward. The cover *f* is provided with
45 four pins *h h*, which can engage in corresponding holes *g g* in the two external wedges *d d*, whereby both the cover *f* and the wedges *d d*
are prevented from horizontally shifting. The two internal wedges *e e* are provided
50 with two cross metallic rods *k k*, which engage in the slots *l l* of the box *a* and the distance-piece *c*. Thus the two wedges *e e* are horizontally guided and are prevented from
55 getting out of the box *a*. A fourth replaceable distance-piece *m* is placed on the bottom of the casing *a* and should have a length which does not exceed the smallest clear

space between the two internal wedges *e e*. In order to protect the cigars *p* from damage during the pressing operation, two sliding
60 metallic pieces *n n* are placed on the horizontal distance-piece *m* and, moreover, two vertical sliding metallic pieces *o o* are employed. The two horizontal sliding pieces
n n are preferably provided with flanges *n' n'*, which may rest on the bottom of the box *a*.
65 The opposite edges of the pieces *n n* are sharpened or formed as wedges, so that they can slide on each other. Thus the cigars *p* are also protected from damage. The
flanges at the upper edges of the two vertical
70 sliding pieces *o o* may in the lowermost position of the latter engage in corresponding recesses in the two internal wedges *e e*, as is clearly shown at Figs. 1 and 2.

The cigar-pressing box is operated as follows: The cover *f* is taken off, the two external
75 wedges *d d* are taken out of the box *a*, the two internal wedges *e e* are pushed away from each other and against the two distance-pieces *b b*, and at last the two horizontal
80 sliding pieces *n n* are moved away from each other and are made to bear with their flanges against the two internal wedges *e e*, so as to fill up the recesses in the two corners.
85 Now cigars are placed in the box on the two horizontal sliding pieces *n n* and between the two internal wedges *e e*. When the box is about full, the two vertical sliding pieces *o o*
are inserted and the uppermost series of cigars *p* is introduced between them. At
90 last the two external wedges *d d* are inserted and the cover *f* is laid on them. The charged box is then submitted to a pressure in the vertical direction in any known and approved
95 apparatus. It will be seen that during the downward motion of the cover *f* the two external wedges *d d* will push the two internal wedges *e e* inward, so that the cigars *p* are compressed from all four sides. The sharpened
100 edges of the two horizontal sliding pieces *n n* will move, on the one hand, on the distance-piece *m* and, on the other hand, beneath the cigars *p* without hurting them. In a similar manner the lower sharpened
105 edges of the two vertical sliding pieces *o o* will slide on the two internal wedges *e e*, respectively, without hurting the cigars *p*. After the cigars have been subjected to the pressure for a suitable time they can be taken
110 out of the box and the latter can be charged with fresh cigars.

If it is desired to alter the clear length,

height, and width of the box *a*, it is only necessary to remove or to replace the distance-pieces *b b*, *m*, or *c* and, if so preferred, the wedges *d e d e*, also the sliding pieces *n n* and *o o*, by other ones.

The cigar-pressing box may be varied without deviating from the spirit of my invention.

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

- 10 1. In a cigar-pressing device, the combination with a rectangular box, of two pairs of wedges adapted to bear against two opposite sides of said rectangular box, their two inclined contact-faces converging upward
15 and the external wedges having a plurality of holes in their top faces, and a cover provided with a plurality of pins which can engage in the holes of said two external wedges, so that by pressing on said cover the cigars are com-
20 pressed on four sides.
2. In a cigar-pressing device, the combination with a rectangular box provided in two opposite sides with four lengthy slots parallel to its bottom, of two internal wedges mov-
25 able on the bottom of said rectangular box and provided with pins, which engage in the lengthy slots in the sides, their opposite faces being vertical and their rear faces converging upward, two external wedges adapted to en-
30 gage between said two internal wedges and the two other opposite sides of said rectangular box and provided with a plurality of holes in their top faces, and a cover provided with a plurality of pins which can engage in
35 the holes of said two external wedges, so that by pressing on said cover the cigars are compressed on four sides.
3. In a cigar-pressing device, the combination with a rectangular box provided in two
40 opposite sides with four lengthy slots parallel to its bottom, of a vertical distance-piece bearing against one side of said rectangular box and provided with two slots which register with those of the side, two further vertical
45 distance-pieces adjoining said vertical distance-piece and bearing against the respective sides of said rectangular box, two internal wedges movable on the bottom of said rectangular box between said vertical dis-
50 tance-piece and the opposite side and provided with pins, which engage in the lengthy slots in the sides and the distance-piece, their opposite faces being vertical and their

rear faces converging upward, two external wedges adapted to engage between said two
55 internal wedges and said two further vertical distance-pieces and provided with a plurality of holes in their top faces, a cover provided with a plurality of pins which can engage in the holes of said two external wedges, and
60 two vertical sliding pieces adapted to engage with their sharpened lower edges between the cigars and said two internal wedges under the action of said cover, so that by pressing on said cover the cigars are compressed
65 on four sides.

4. In a cigar-pressing device, the combination with a rectangular box provided in two opposite sides with four lengthy slots parallel to its bottom, of a vertical distance-piece
70 bearing against one side of said rectangular box and provided with two slots which register with those of the side, two further vertical distance-pieces adjoining said vertical distance-piece and bearing against the respec-
75 tive sides of said rectangular box, two internal wedges movable on the bottom of said rectangular box between said vertical distance-piece and the opposite side and provided with pins, which engage in the lengthy
80 slots in the sides and the distance-piece, their opposite faces being vertical and their rear faces converging upward, two external wedges adapted to engage between said two
85 internal wedges and said two further vertical distance-pieces and provided with a plurality of holes in their top faces, a horizontal distance-piece on the bottom of said rectangular box, two sliding pieces on said
90 horizontal distance-piece and overlapping with their sharpened edges each other, a cover provided with a plurality of pins which can engage in the holes of said two external
95 wedges, and two vertical sliding pieces adapted to engage with their sharpened lower edges between the cigars and said two internal wedges under the action of said cover, so that by pressing on said cover the cigars are compressed on four sides.

In testimony whereof I have signed my
100 name to this specification in the presence of two subscribing witnesses.

ROBERT WOERNER.

Witnesses:

N. C. SCHLEMNER,
Jos. H. LEUTE.