

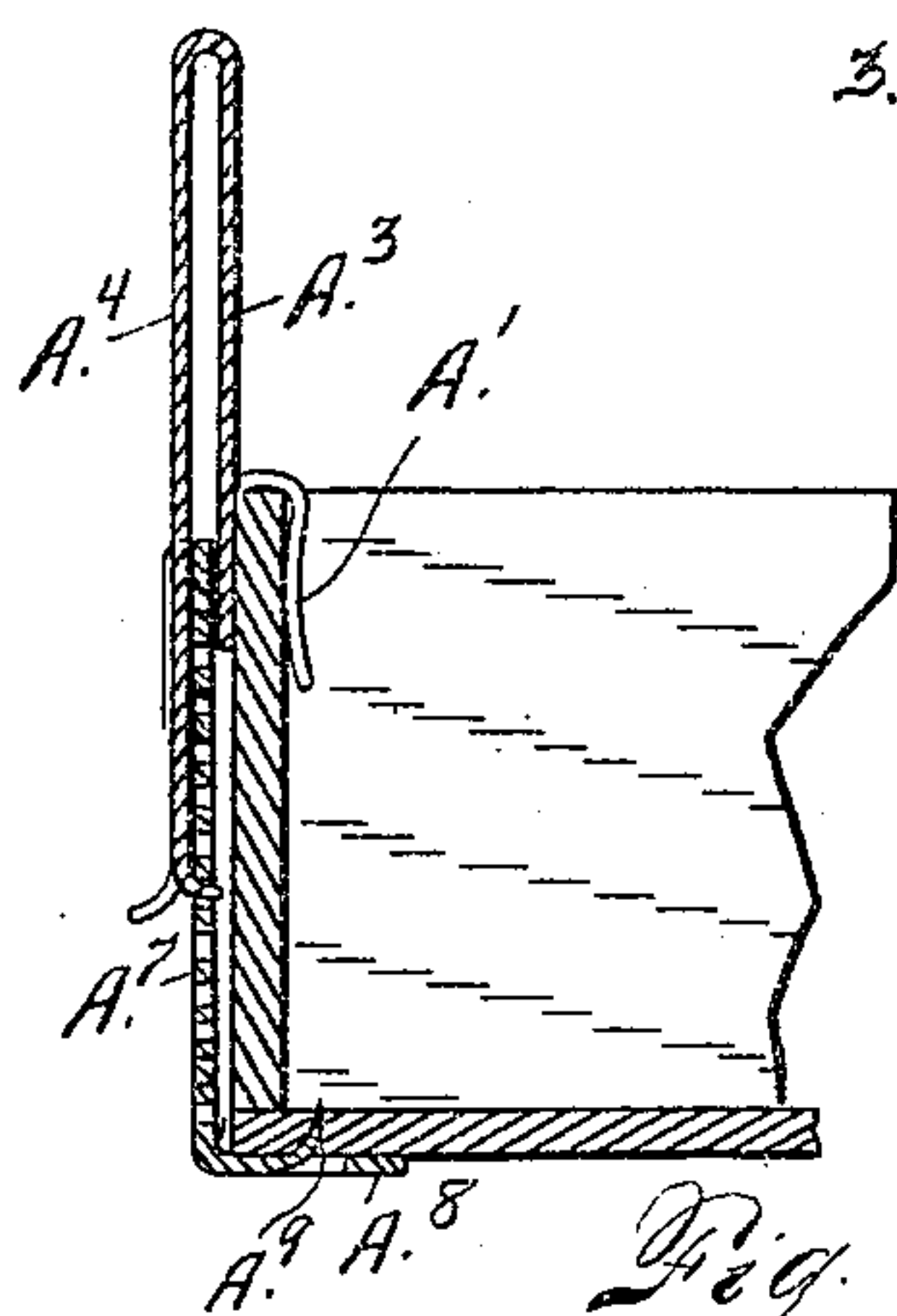
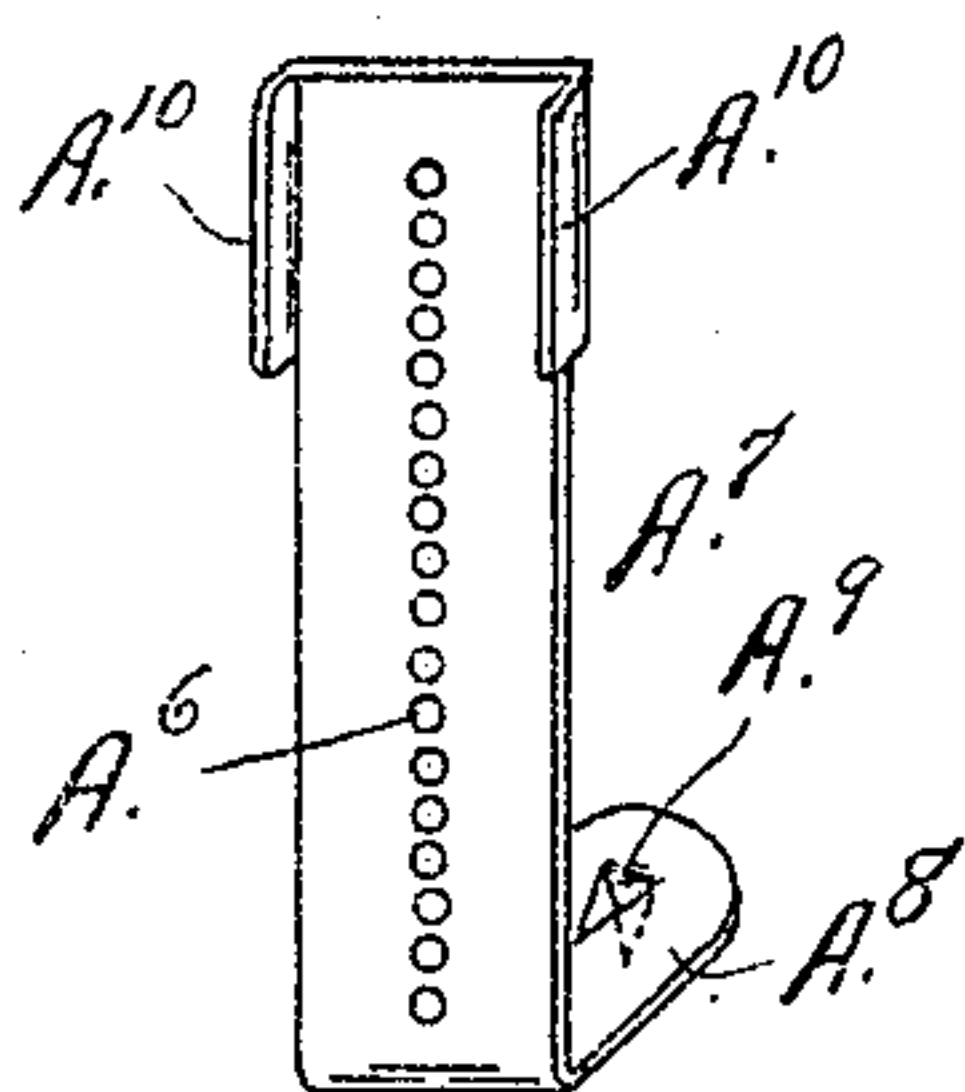
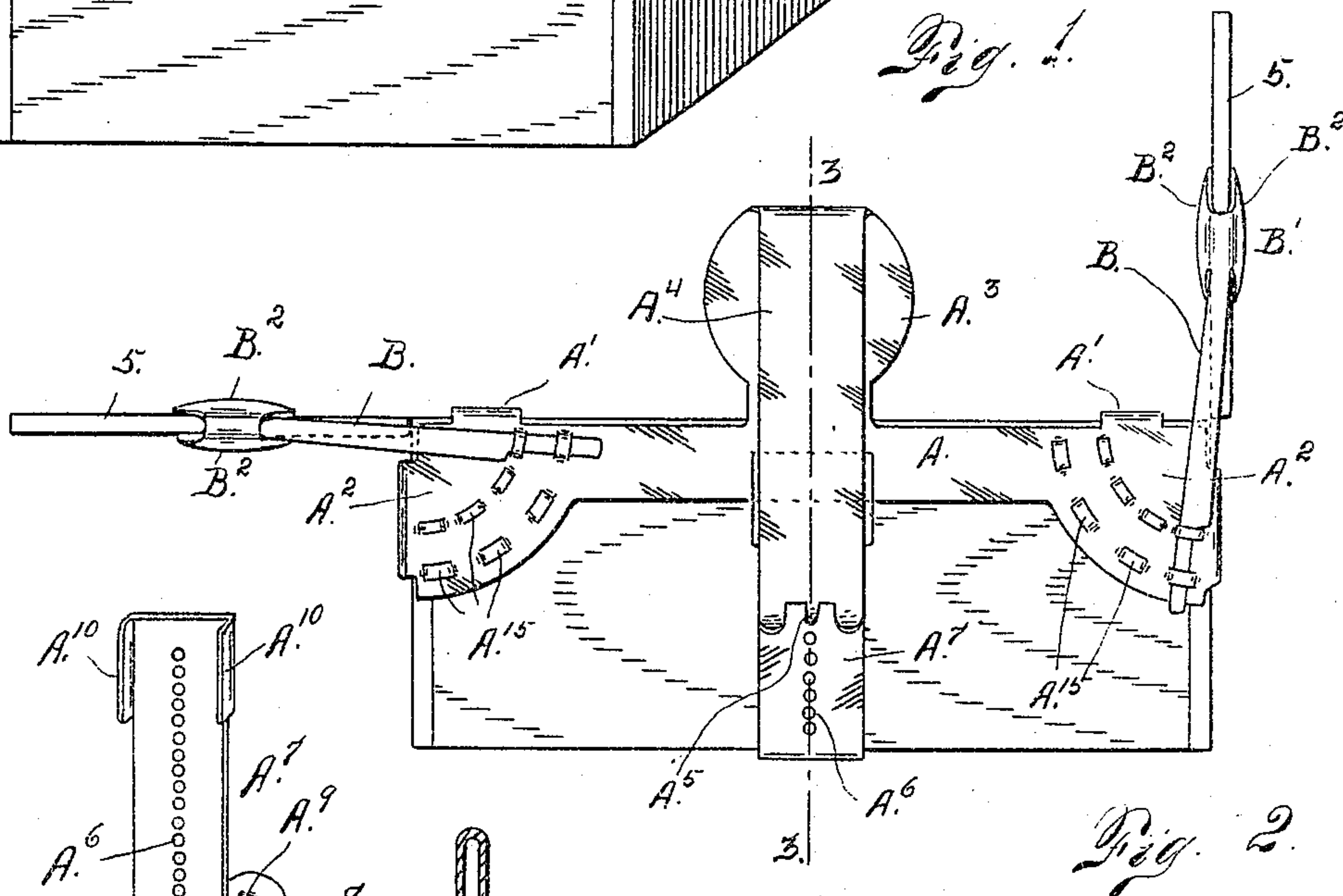
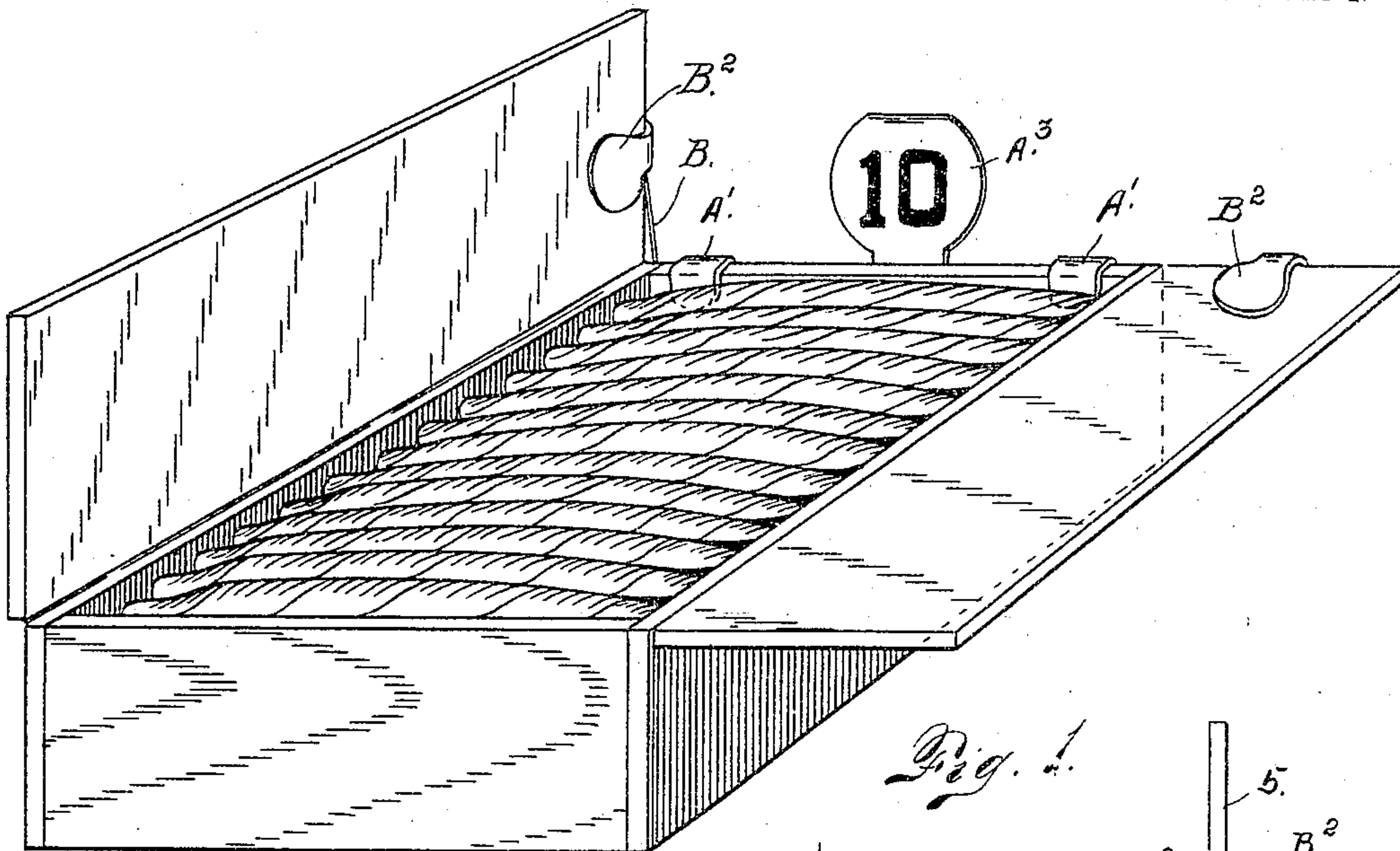
No. 773,497.

PATENTED OCT. 25, 1904.

L. B. HEEP.
LID SUPPORTING DEVICE.
APPLICATION FILED APR. 11, 1904.

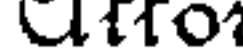
NO MODEL.

2 SHEETS—SHEET 1.



Witnesses
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2 SHEETS—SHEET 2.

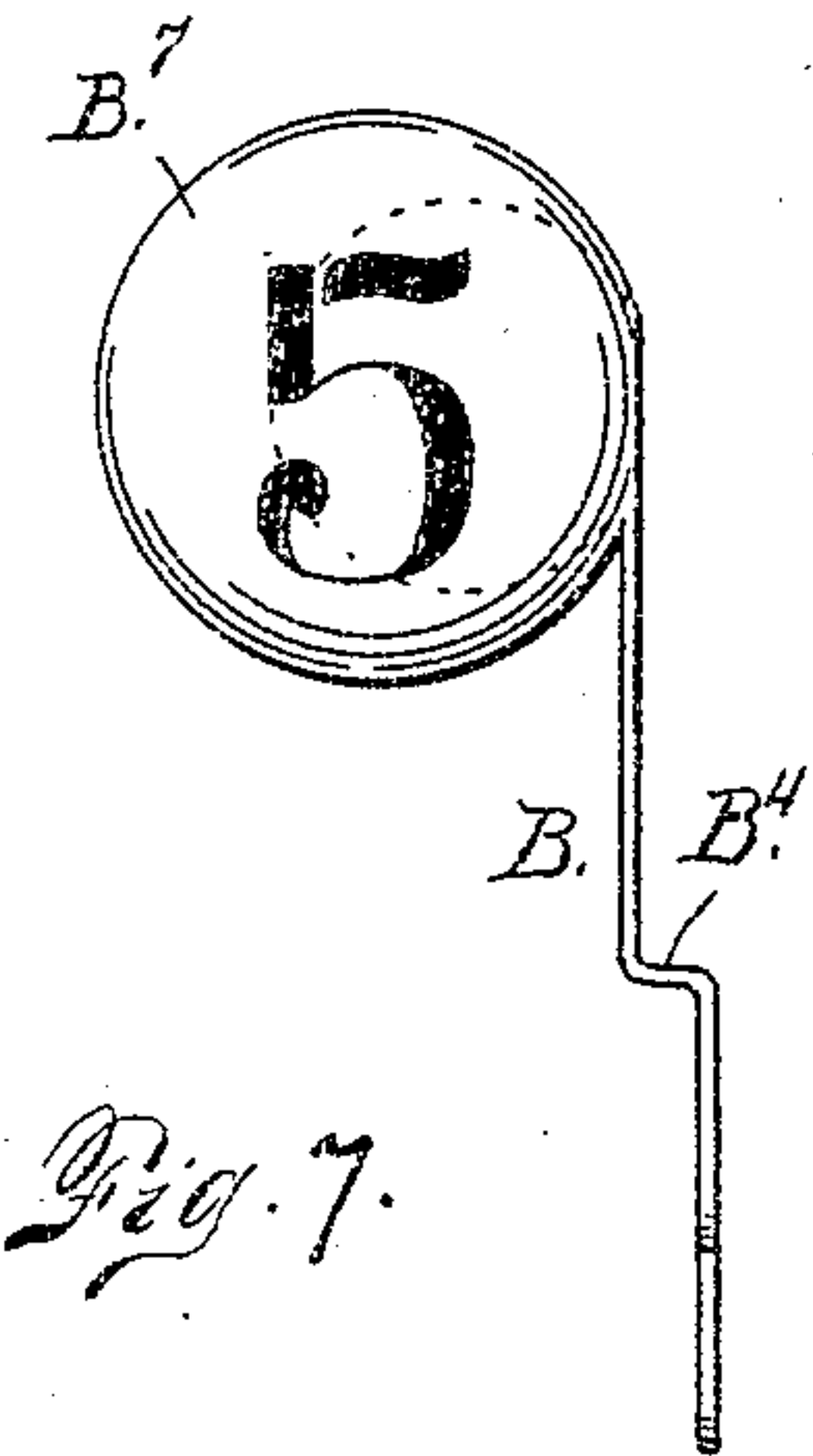


Fig. 7.

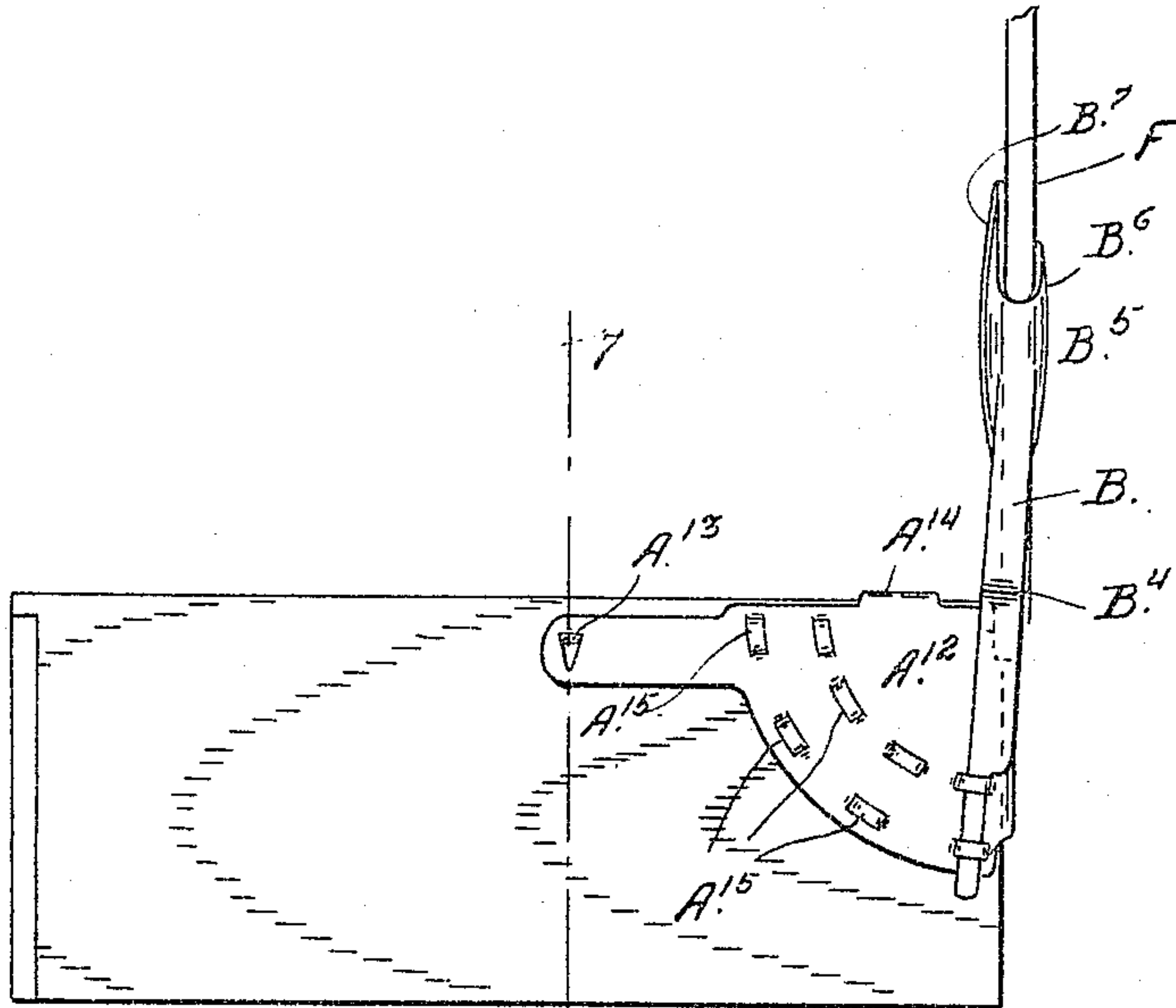


Fig. 5.

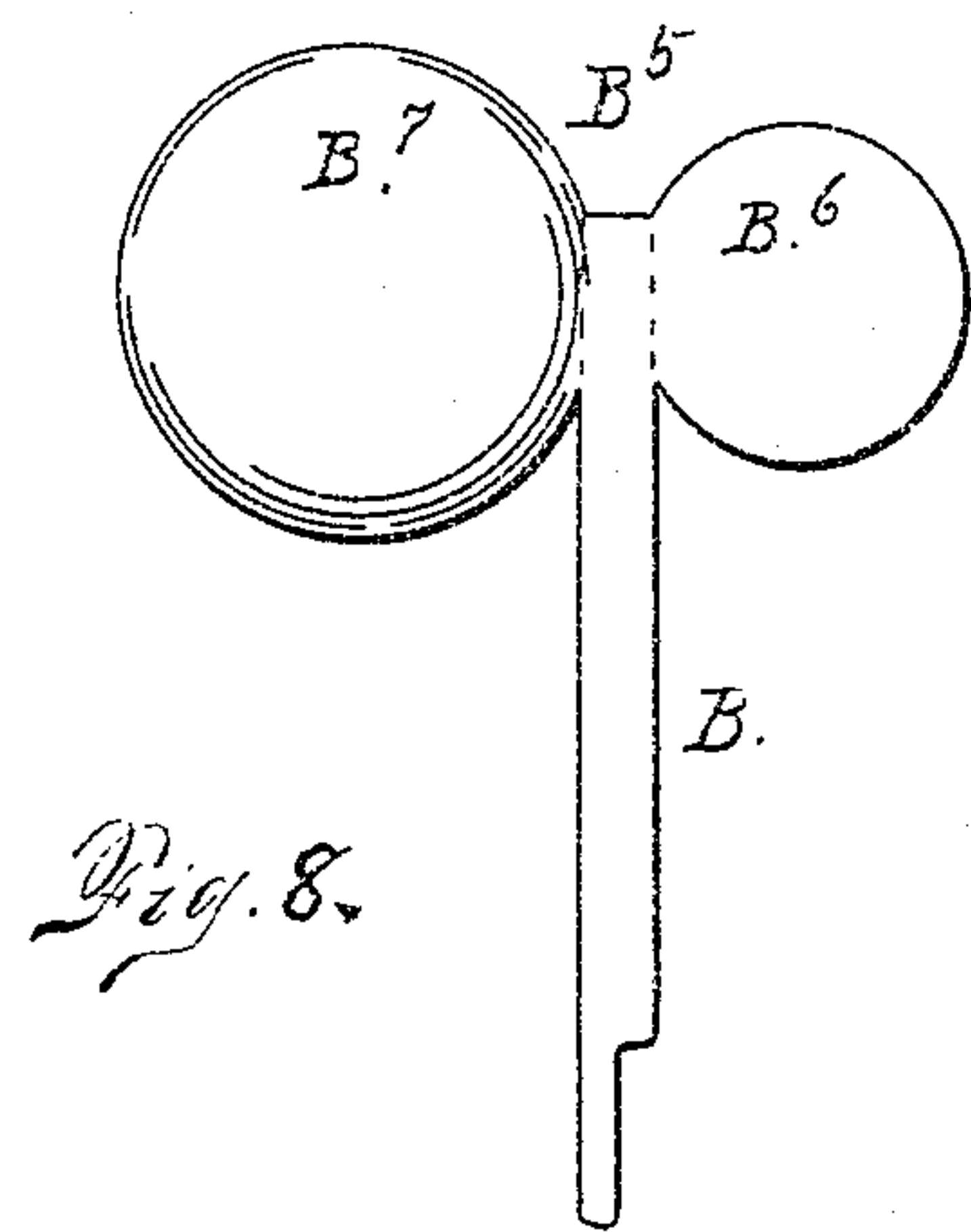


Fig. 8.

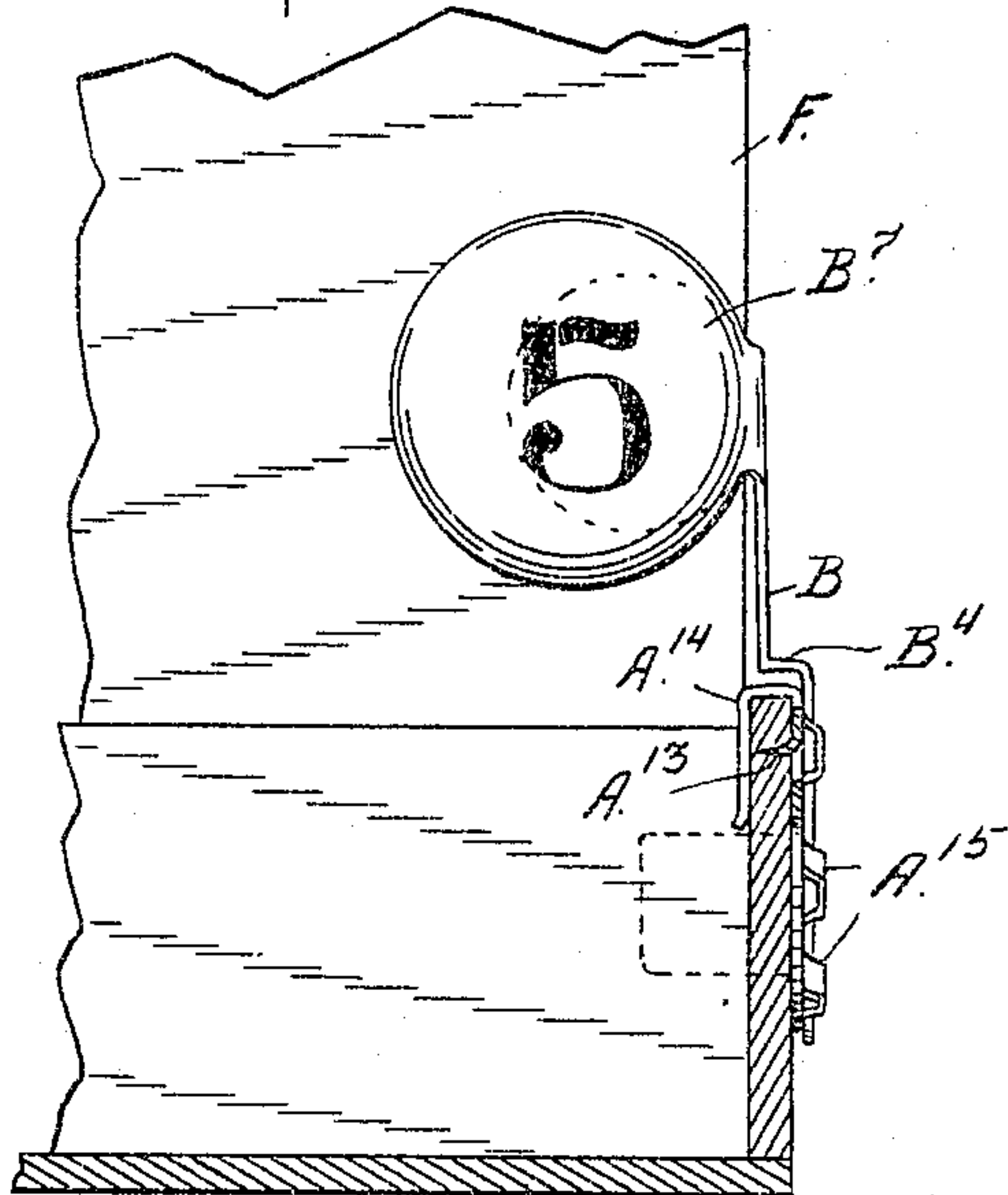


Fig. 6.

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UNITED STATES PATENT OFFICE.

LOUIS B. HEEP, OF DENVER, COLORADO, ASSIGNOR OF THREE-FIFTHS
TO RICHARD H. VESEY, ROBERT M. STEINKE, AND FRANK D. FOWLER,
OF DENVER, COLORADO.

LID-SUPPORTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 773,497, dated October 25, 1904.

Application filed April 11, 1904. Serial No. 202,706. (No model.)

To all whom it may concern:

Be it known that I, LOUIS B. HEEP, a citizen of the United States of America, residing in the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Lid-Supporting Devices; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in lid-supporting devices, being more especially intended for use in connection with the lids of cigar-boxes, whereby the lid or lids of the box may be positively supported at any desired inclination.

My improved device is adjustable, whereby the supported position of the lid may be changed at pleasure.

In the principal form of construction illustrated in the drawings and hereinafter described I have shown a device adapted to support a divided lid or a cover composed of two members centrally divided, the lid-supporting device being duplex in form and adapted to support the two parts of the lid, the two members of the duplex device being independently adjustable. Where this form of box is used, it is the intention to insert the box in the show-case endwise with the end upon which the lid-supporting device is mounted in the rear or remote from the front of the case, thus making the portion of the device containing the price-mark of the cigars conspicuous. By dividing the lid the portion thereof which is thrown in either direction is reduced in area, thus limiting the size of the lid part thrown outwardly, whereby there is less interference with the other boxes in the case, making it practicable to place the boxes closer together, since one or both of the lid parts may occupy the vertical position without concealing the contents of the box.

The device may also consist of a single mem-

ber, if desired, thus making it practicable to employ it with a cigar-box having a hinged lid of ordinary construction or covering the entire top of the box.

Having briefly outlined my improved construction, as well as the function it is intended to perform, I will proceed to describe the same in detail, reference being made to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a perspective view of a cigar-box equipped with my improved device. Fig. 2 is an end elevation of the same viewed from the rear or looking at the end which is concealed or more remote in Fig. 1. Fig. 3 is a section taken on the line 3 3, Fig. 2. Fig. 4 is a perspective view in detail of a portion of the device. Fig. 5 is an end view of a cigar-box, showing the single form of the device adapted to support the lid of a box of ordinary construction. Fig. 6 is a section taken on the line 7 7, Fig. 6. Fig. 7 is a detail view of the detachable lid-supporting member. Fig. 8 is a detail view of the blank from which the part shown in Fig. 8 is constructed and from which the said part is shaped to perform its function.

The same reference characters indicate the same parts in all the views.

Referring first to the form of construction shown in Figs. 1 to 4, inclusive, let A designate the body of the device, whose extremities are provided with hooks A', adapted to pass over the edge of the box and project downwardly thereinto in order to hold the device in place. The extremities A² of the device are provided with a number of loops A¹⁵, arranged in pairs and adapted to receive the lid-supporting arms B, which are removable from the loops. As shown in the drawings, a number of pairs of these loops for receiving the arms B are employed, whereby the arms may occupy any desired position to allow the lid to occupy any degree of inclination between the vertical and horizontal. Each arm B is provided with a clasp B', adapted to embrace the hinged lid on opposite sides. This clasp is composed of two members B², which

embrace the lid on opposite sides. The central portion of the body of the device projects upwardly, as shown at A³, and is bent over and extends downwardly, as shown at A⁴, its lower extremity being provided with an inwardly-bent brad or projection A⁵, adapted to engage openings A⁶, formed in a separate piece A⁷, which is provided with a part A⁸ bent at right angles to its vertical portion, whereby it extends underneath the bottom of the box. This part A⁸ has a brad A⁹, which when pressed into the bottom of the box holds the parts securely in place thereon. The upper extremity of this part A⁷ is provided with outwardly-bent lips A¹⁰, which form a guide for the part A⁴. By virtue of this construction the lower extremity of the part A⁴, containing the brad A⁵, may be bent outwardly from the part A⁷, after which the part A⁴ and its connections may be raised or lowered on the part A⁷ in order to adapt the device to boxes of varying heights. To this end the orifices A⁶ of the part A⁷ extend nearly the entire length of the said part, permitting any desired or necessary range of adjustment.

In the form of construction shown in Figs. 5 and 6 of the drawings the device is adapted to support a single lid F and is shown in connection with a box having a lid closing the entire top thereof. In this event the device consists of a body part A¹², provided with a brad A¹³ at one extremity adapted to be pressed into the box. It is also provided with a hook A¹⁴, which engages the upper edge of the box and extends downwardly thereinto. The body of the device is provided with the loops A¹⁵, which are pushed out of the metal from the inside, the same as in the construction shown in the other views where this form is employed. The arm B is substantially of the same construction as shown in Figs. 1 and 2, except that it is provided with a bend or offset B⁴ of a length equal to the thickness of the end of the box approximately, since in this construction of box the ends of the lid pass in between the ends of the box, thus making the lid F slightly shorter than the entire length of the box, while in the construction of box shown in Figs. 1 and 2 of the drawings the lid members are of a length equal to the entire length of the box.

In the form of construction shown in Figs. 5 to 8, inclusive, the clasp may be designated B⁵, and it is composed of two members B⁶ and B⁷ of unequal area, the part B⁷ on the inner surface of the lid being larger and adapted to have the price-mark of the cigars marked thereon, if desired.

From the foregoing description the use and operation of my improved device will be readily understood and need not be further explained in detail.

Having thus described my invention, what I claim is—

65 1. In a lid-supporting device, the combina-

tion of a body part adapted to be supported on the end of a cigar-box and provided at each extremity with an adjustable lid-supporting arm, the extremity of each arm remote from the box being provided with a clasp adapted to engage a lid or lid part, the body of the device having a series of loops each being adapted to receive the lid-supporting arm which is slidable in the loop and readily removable, the loops being radially disposed about the axis of the lid, substantially as described.

2. A lid-supporting device comprising a body part adapted to be secured to the end of the box, and provided with an arm having at its outer extremity a clasp adapted to engage and support the hinged lid of the box, the body of the device having a series of loops, each being adapted to receive a lid-supporting arm which is slidable in the loop and readily removable, the loops being radially disposed about the axis of the lid.

3. In a lid-supporting device, the combination of a body part provided with a lid-supporting arm at each extremity, and a part centrally secured to the body of the box and provided with a series of openings vertically disposed, the body of the device having a strap provided with a brad adapted to enter the openings of the apertured part, whereby the body of the device is vertically adjustable to adapt it to boxes of varying height.

4. In a device of the class described, the combination of a body part having lid-supporting arms at its opposite extremities, an upwardly-projecting centrally-located part of a size adapted to contain the price-mark of the cigars, a depending part extending downwardly from the price-mark part and on the outside of the latter, and a part separate from the body part of the lid-supporting device and attached to the end of the box, the last-named part cooperating with the depending strap whereby the body of the lid-supporting device is vertically adjustable to adapt itself to boxes of varying height.

5. A lid-supporting device comprising a body part having a series of loops formed in the part adjacent a corner of the box when the device is applied, the said loops being radially disposed about the axis of the lid, and a lid-supporting arm adapted to enter said loops and slide freely therein whereby it is readily adjustable, substantially as described.

6. The combination with a box having a lid composed of two hinged parts, of a lid-supporting device comprising a body part having a series of loops at its opposite extremities which are located adjacent two corners of the box when the device is applied and radially disposed about the axis of the lid parts, and lid-supporting arms adapted to enter the loops of the body of the device whereby the said arms are readily detachable.

7. A lid-supporting device, the combination

of a body part provided with lid-supporting
arms detachably connected with its opposite
extremities, an upwardly-projecting cen-
trally-located price-mark part, a depending
5 part, and a separate piece secured to the end
of the box and coöperating with the depend-
ing part, one of the said parts having a series
of vertically-disposed orifices and the other
a short brad adapted to enter said orifices

whereby the body of the device is vertically 10
adjustable to adapt it to boxes of varying
height.

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

LOUIS B. HEEP.

Witnesses:

DENA NELSON,
A. J. O'BRIEN.