

No. 830,694.

PATENTED SEPT. 11, 1906.

A. L. WHITNEY,
CAN AND COVER.

APPLICATION FILED JUNE 26, 1905.

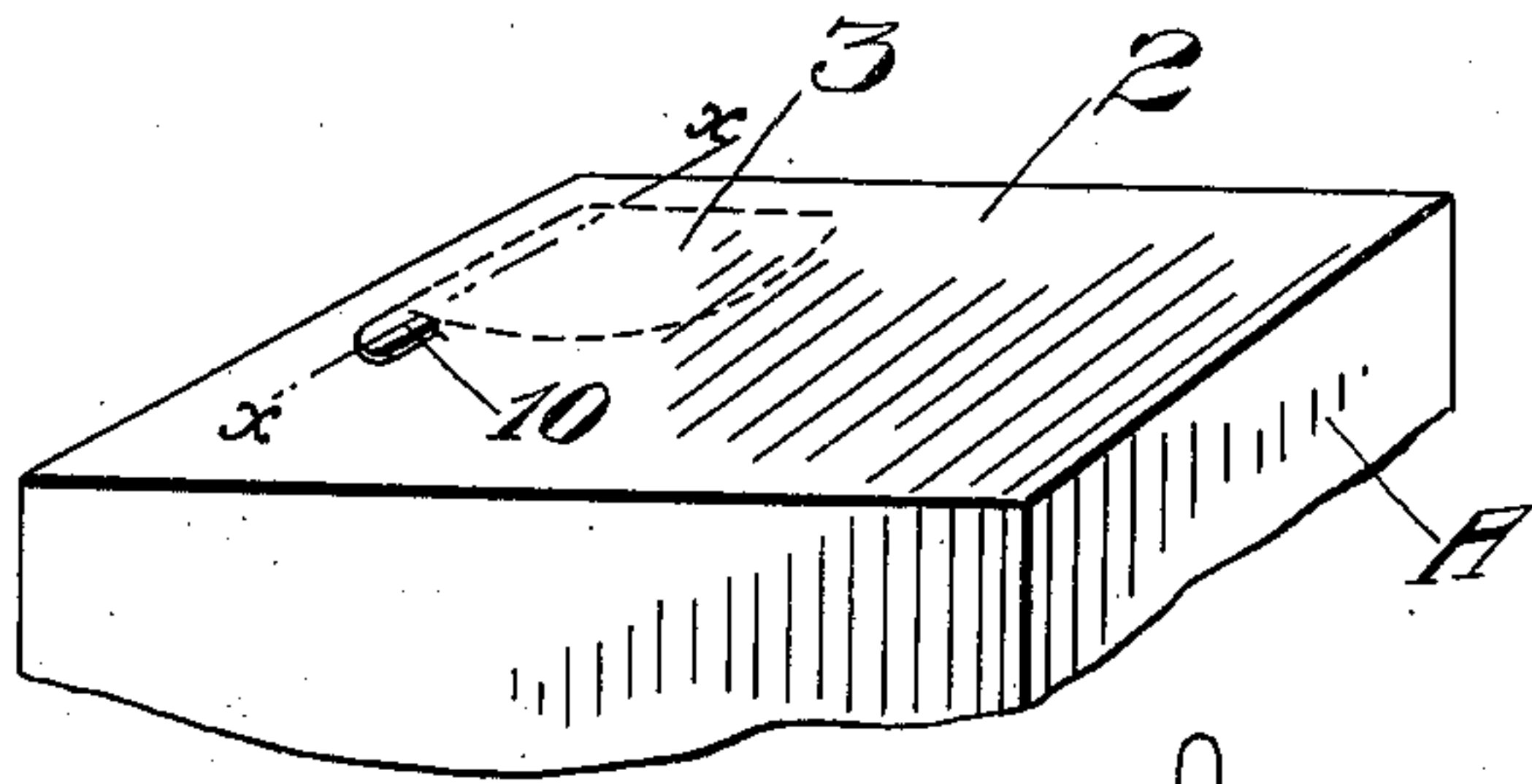


Fig. 1.

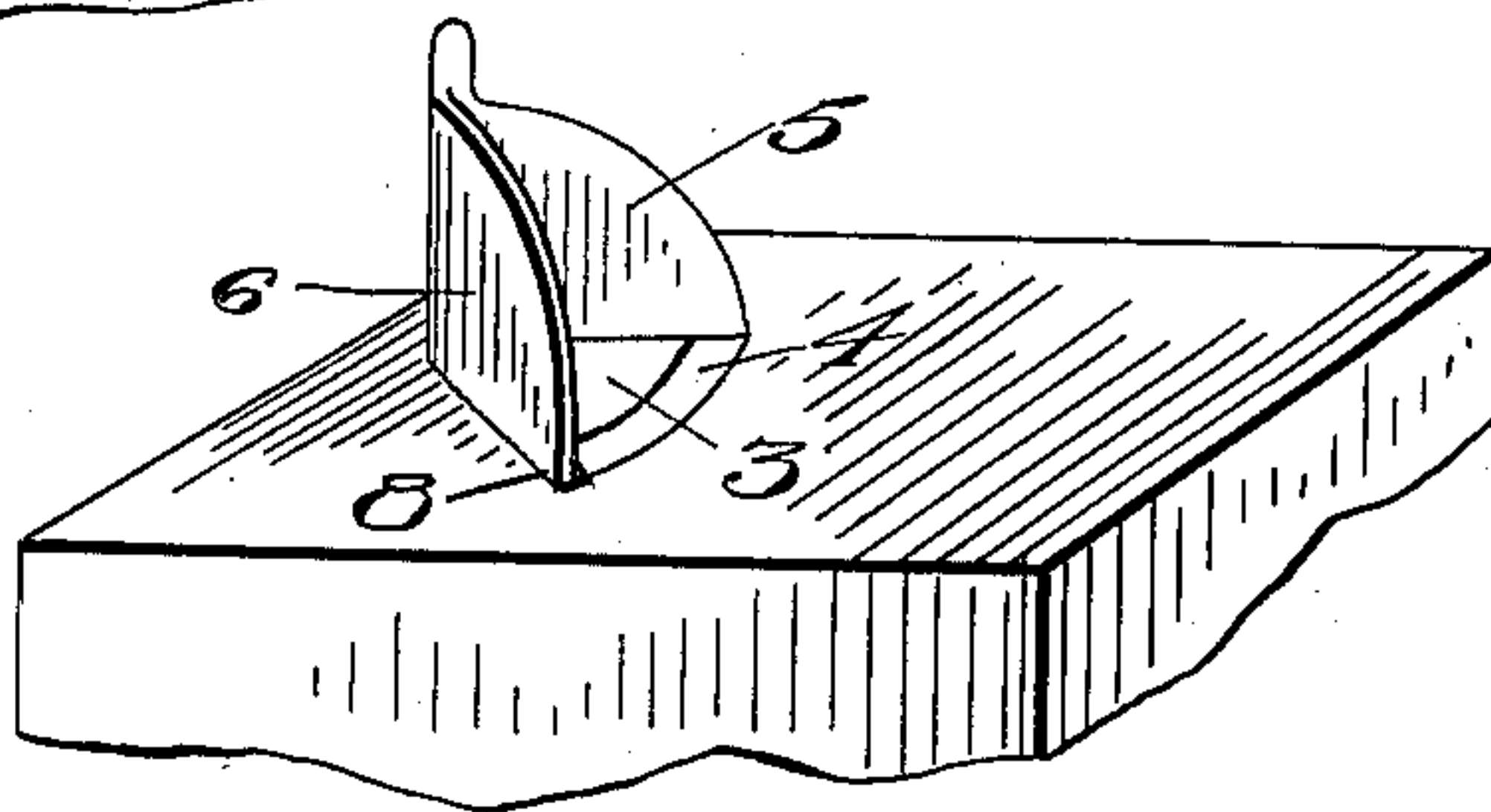


Fig. 2.

Fig. 3.

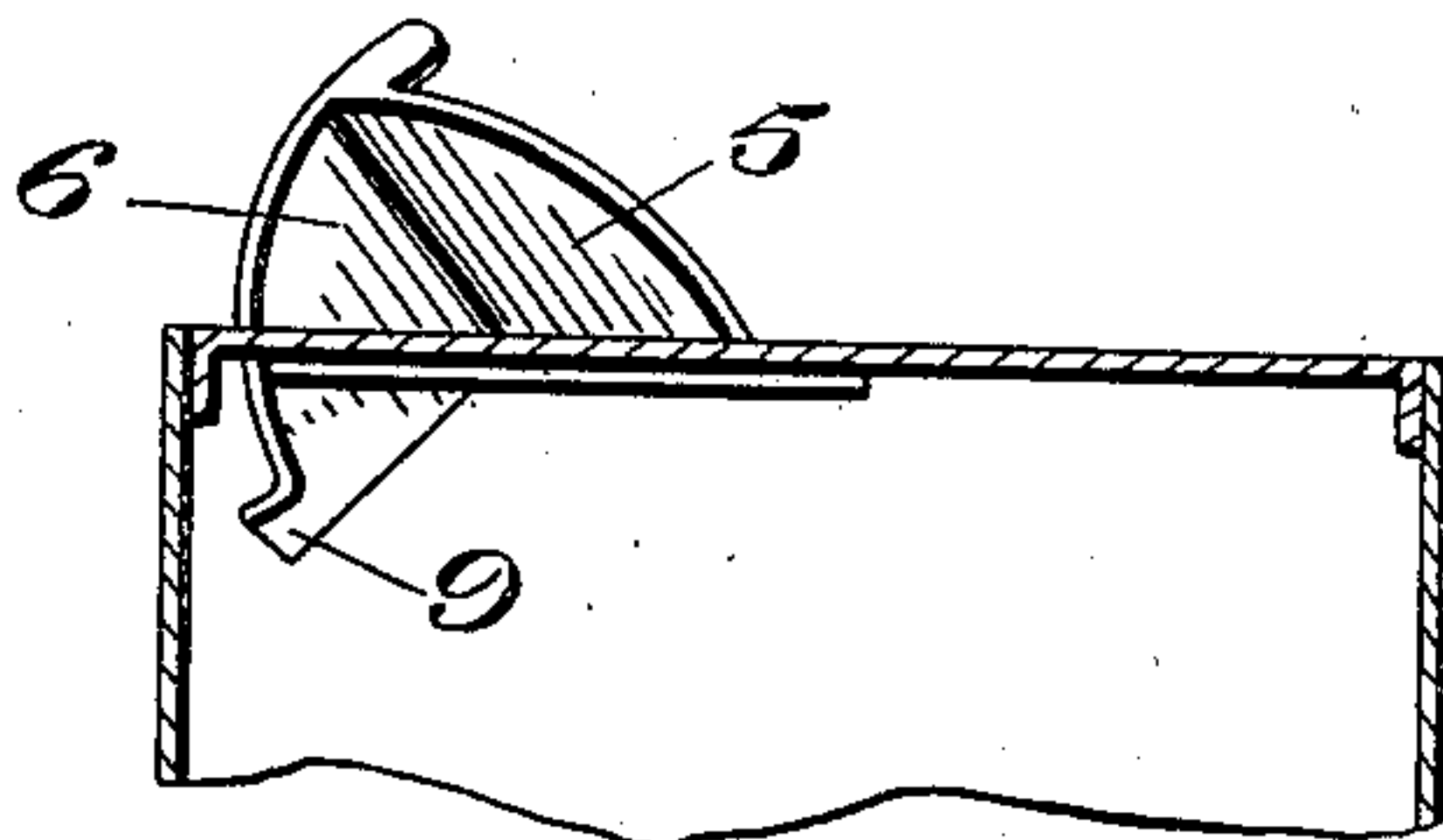


Fig. 5.

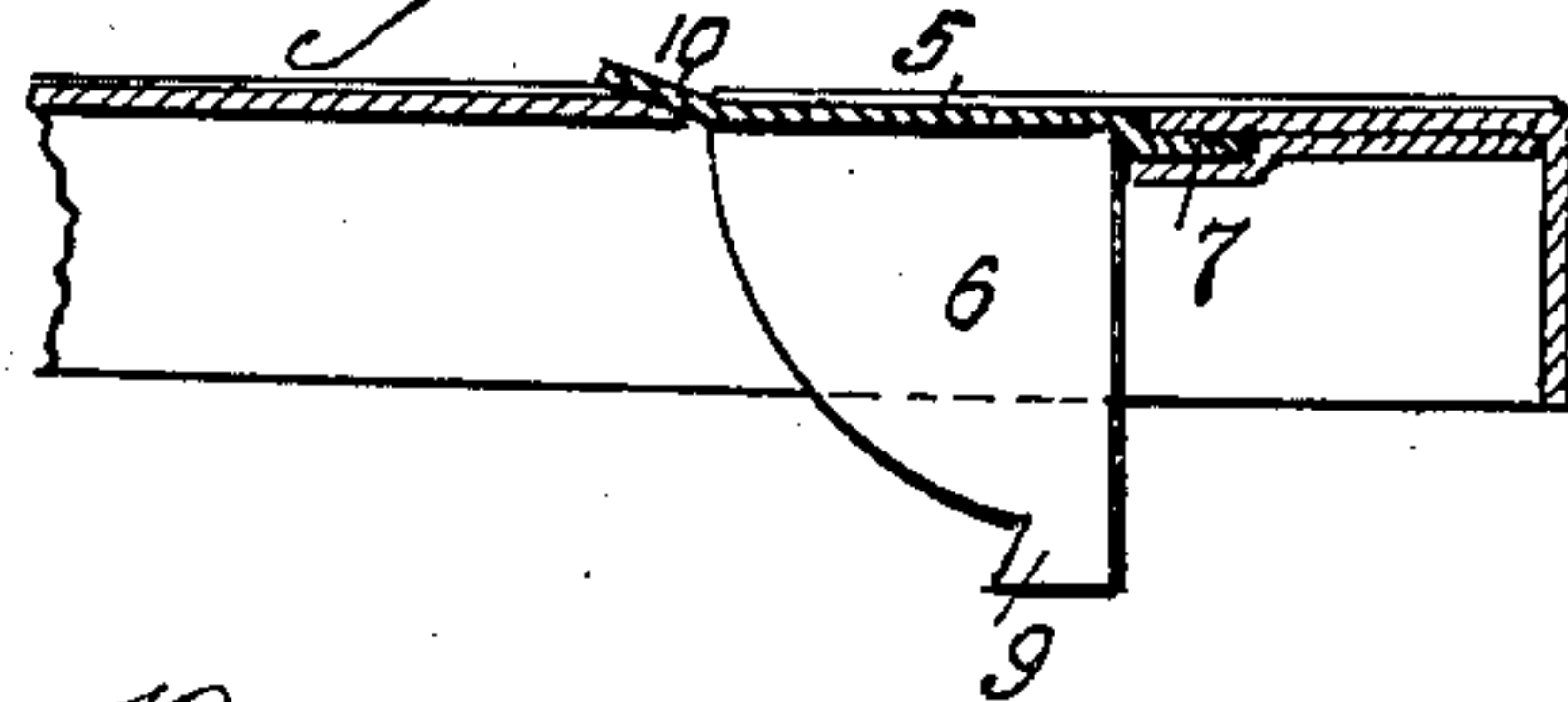
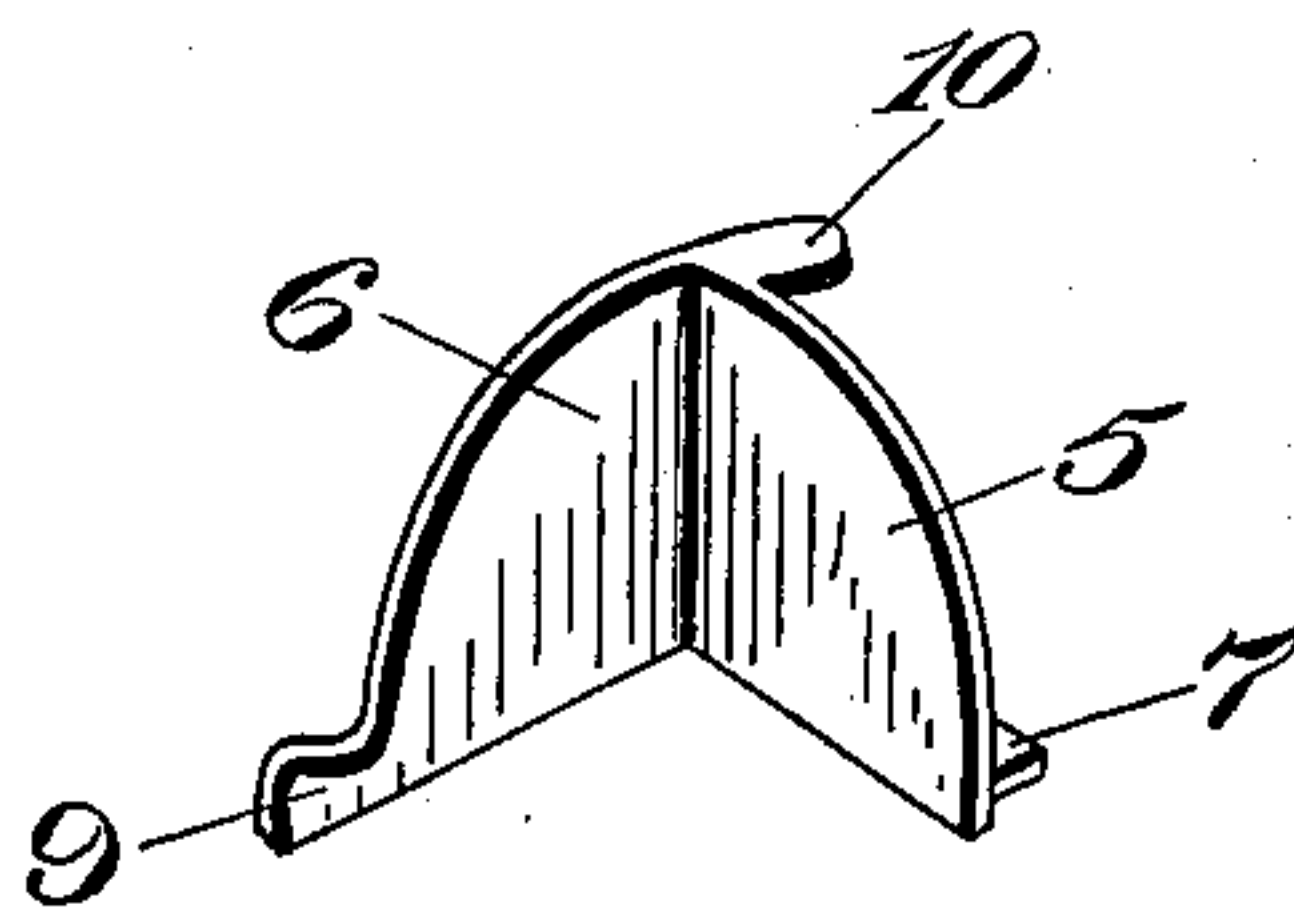


Fig. 4.



Witnesses.
J. Hestberg.
J. Hestberg

Inventor:
Arthur L. Whitney
By Geo. H. Strong atty

UNITED STATES PATENT OFFICE.

ARTHUR L. WHITNEY, OF SAN MATEO COUNTY, CALIFORNIA.

CAN AND COVER.

No. 830,694.

Specification of Letters Patent.

Patented Sept. 11, 1906.

Application filed June 26, 1905. Serial No. 286,959.

To all whom it may concern:

Be it known that I, ARTHUR L. WHITNEY, a citizen of the United States, residing in the county of San Mateo and State of California, have invented new and useful Improvements in Cans and Covers, of which the following is a specification.

My invention relates to containing-cans and an open closure therefor formed in one of the heads of the can.

It consists in the combination of parts and in details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a can end showing device closed. Fig. 2 is a view showing it opened. Fig. 3 is a section of a can end, showing the segmental closure and spout partially opened. Fig. 4 is a separate view of the spout and closure. Fig. 5 is an enlarged sectional view on the line $x x$ of Fig. 1.

It is the object of my invention to provide a means for having a convenient access to containing-cans, whereby the contents may be introduced or removed and the aperture sufficiently closed when not in use to protect the contents.

The device is especially applicable to paper or similar containing-cans adapted to contain dry substances, such as salt, cereals, or other like substances.

I here show the device as applied to one head of the can A. The head 2 has a segmental opening formed in the top, as shown at 3, and around the periphery of the segment the material may be pressed with a die, so that this periphery portion 4 is sunk below the level of the top of the head a sufficient distance to receive the closing-cover 5 and so that the depth of the depression will be approximately equal to the thickness of this cover. By this construction when the cover is closed it lies flush with the upper surface of the head, and it may be covered and protected by a label or other covering substance placed over the head and closure, thus keeping the latter sealed until it is desired to open the can. The cover itself is in the form of a segment or shape similar to that of the opening in the can-head, but of sufficiently greater radius to extend beyond the opening and fit upon the depressed portion 4, previously referred to. This cover portion has a similarly-shaped segment 6, formed by bending the parts at right angles. Thus the cover may be first stamped out in the form of a semi-

circle, then bent on a centrally radial line, so that the two parts 5 and 6 stand at right angles, as shown.

The part 5 has an extension at one side, as at 7, and this extension is fixed to the can-head at one side of the segmental opening therein. The can-head being made of paper or pasteboard may preferably be made double, so that this extension may be held between the upper and lower portions of the head, as plainly shown in Fig. 3.

By creasing the covering material on line between the part 5 and the extension 7 a sufficiently flexible joint will be formed so that the cover can be easily opened or closed. The part 6, which is bent at right angles to the part 5, is guided by passing into a slot 8, which is made at one end of the segmental opening and at its junction with its meeting straight side of said opening, so that this part 6 will slide in the slot or channel 8 and serve to steady the cover portion as it is opened or closed.

At the inner end of the segment 6 is a tongue or extension 9, which when the cover is opened will contact against the lower or inside of the can-head and will thus form a stop to limit the amount of opening. The covers being formed in this way of pasteboard or similar material and the tongue or extension 7 being fixed to one of the straight sides of the can-opening and creased at its junction with the cover portion, the cover is movable about the creased line and when opened will stand substantially vertical to the can-head, the stop 9 preventing it being opened too far. The angle formed by the two portions of the segment will thus form a convenient spout through which the contents of the can can be poured or guided. When the cans are filled and ready for transportation or sale, the cover is closed, its curved edge fitting the sunken portion of the head, and the label or other protective part is pasted over so as to seal and close the cover until such time as it is desired to use the contents.

A short tongue 10 projects from the angle where the vertical and curved portions meet, and this tongue may extend through the covering-label, so as to be easily taken hold of when it is desired to open the can. To assist in making a smooth opening in the label, the latter may be perforated or otherwise weakened along the outline of the hinged cover, so that when the tongue 10 is pulled the label

will tear along the weakened line and not be mutilated or destroyed.

The cover can always be closed down whenever the can is not in use to sufficiently protect the contents.

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

10 An improved dispensing-receptacle consisting of a body having a head with a segmental opening made therethrough said head having, also, a slot in line with one of the straight sides of said opening; and a spout fashioned from a piece of material which is essentially
15 semicircular in outline, said piece bent centrally to form two substantially equal sides at right angles with each other, one of said sides having its straight edge extended beyond the corresponding edge of the other side

from the central bend to the exterior curved edge said extended portion being bent at an angle to the first-named side and secured to the under side of the can-head coincident with one of the sides of the opening thereof, said second-named side having a tongue projecting from the curved edge of one side of the spout contiguous to the angular bend, and a second tongue projecting from the end of the other side and forming a stop to engage the under side of the can-head to limit the opening of the spout. 20 25 30

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ARTHUR L. WHITNEY.

Witnesses:

E. L. BURFORD,
M. C. HAST.