

No. 653,305.

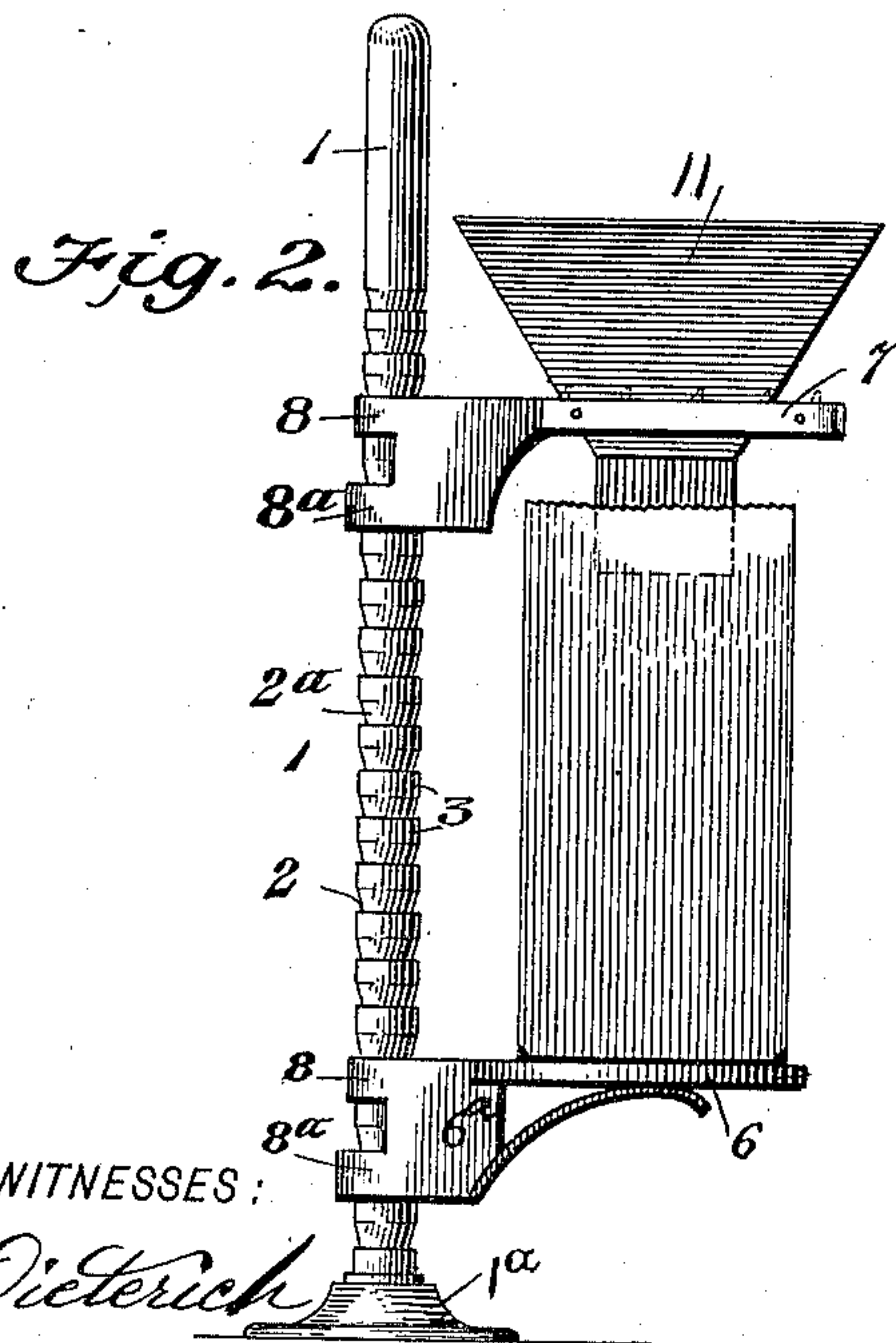
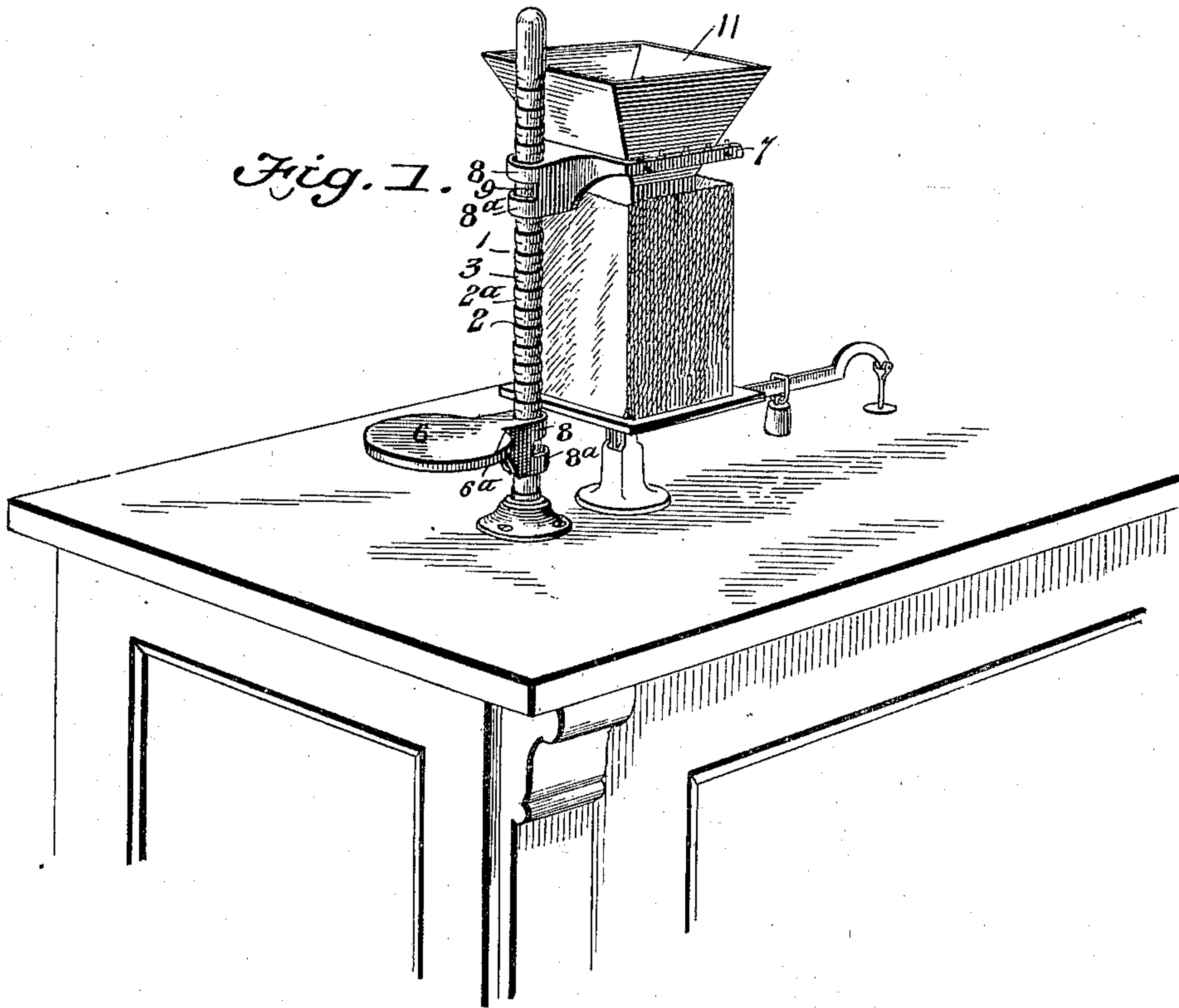
Patented July 10, 1900.

W. S. MALLARD.
BAG FILLING APPLIANCE.

(Application filed May 18, 1899.)

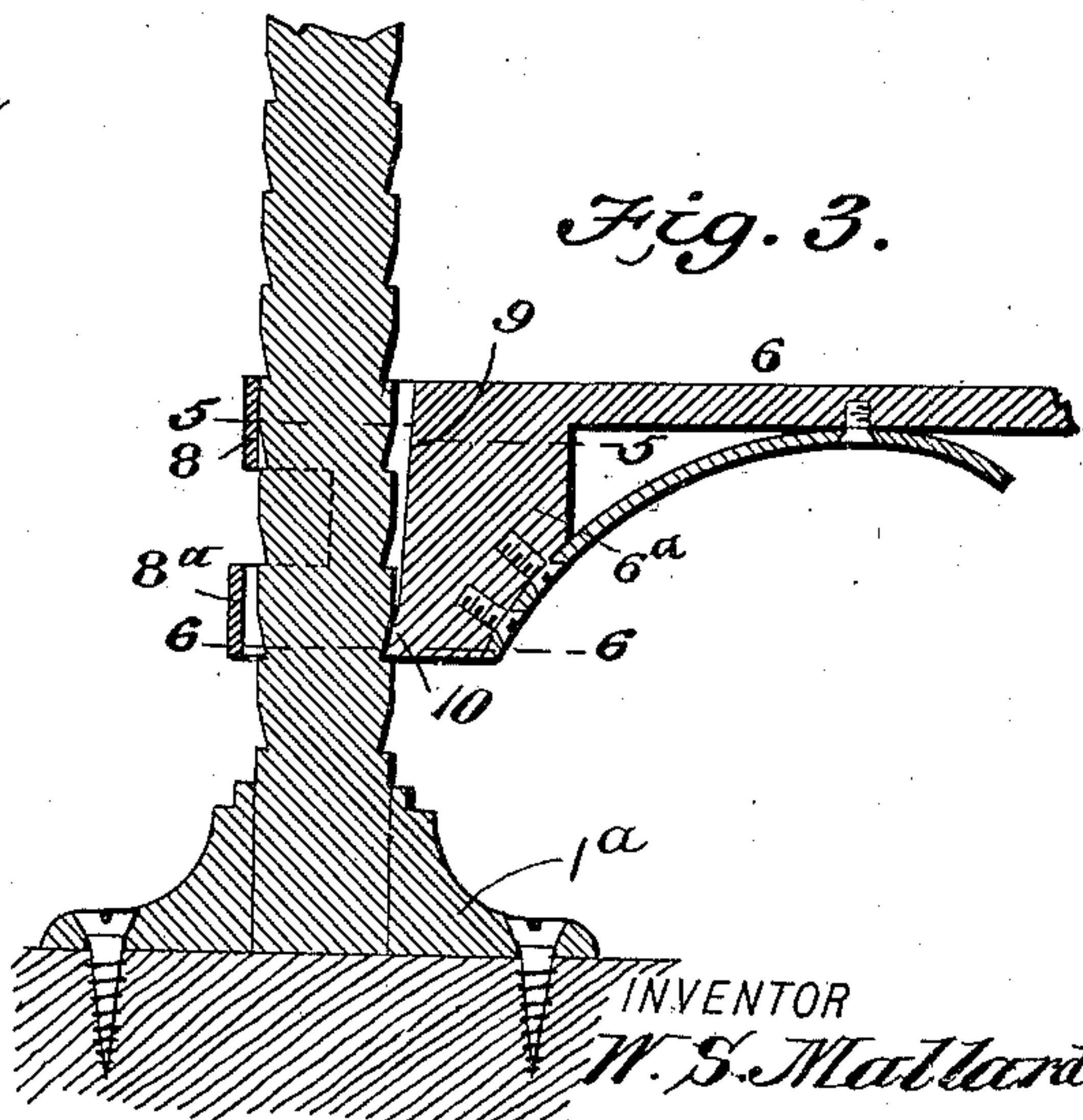
(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

H. G. Dieterich
Louis Dieterich



INVENTOR

W. S. Mallard

BY

Fred G. Dieterich & Co.
ATTORNEYS

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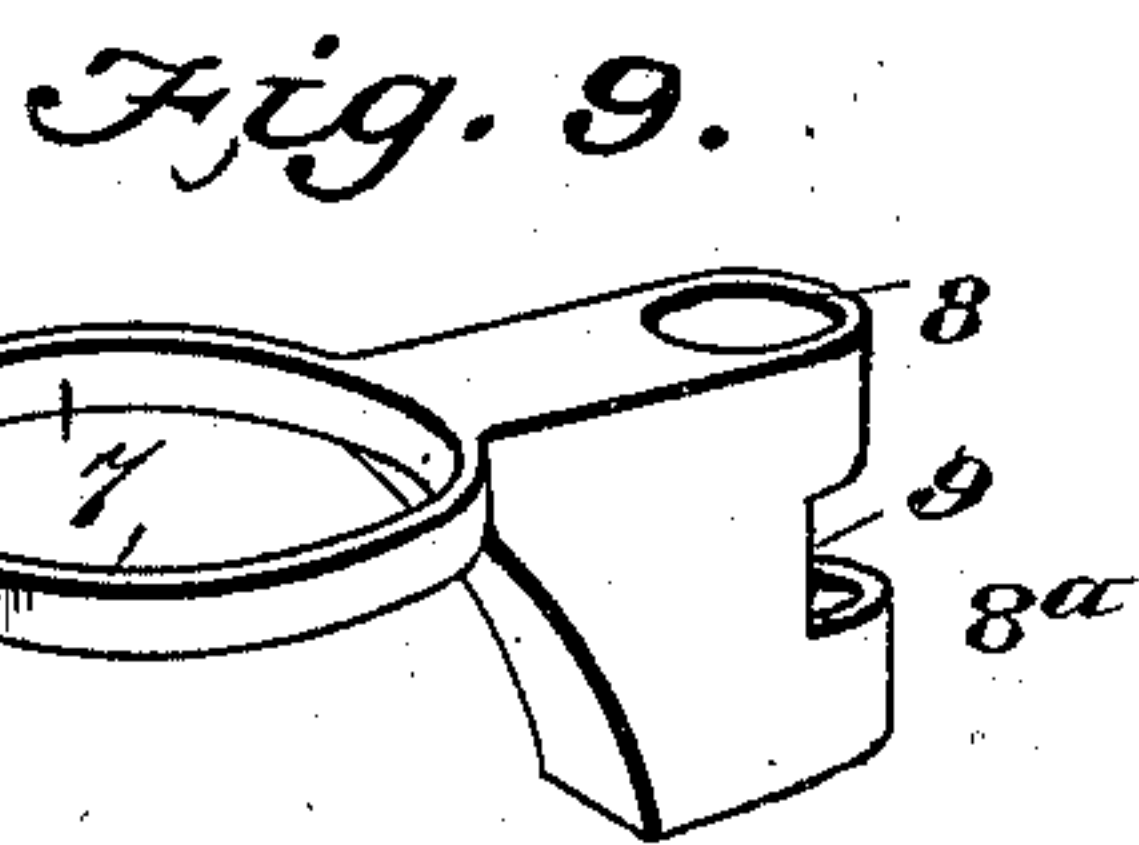
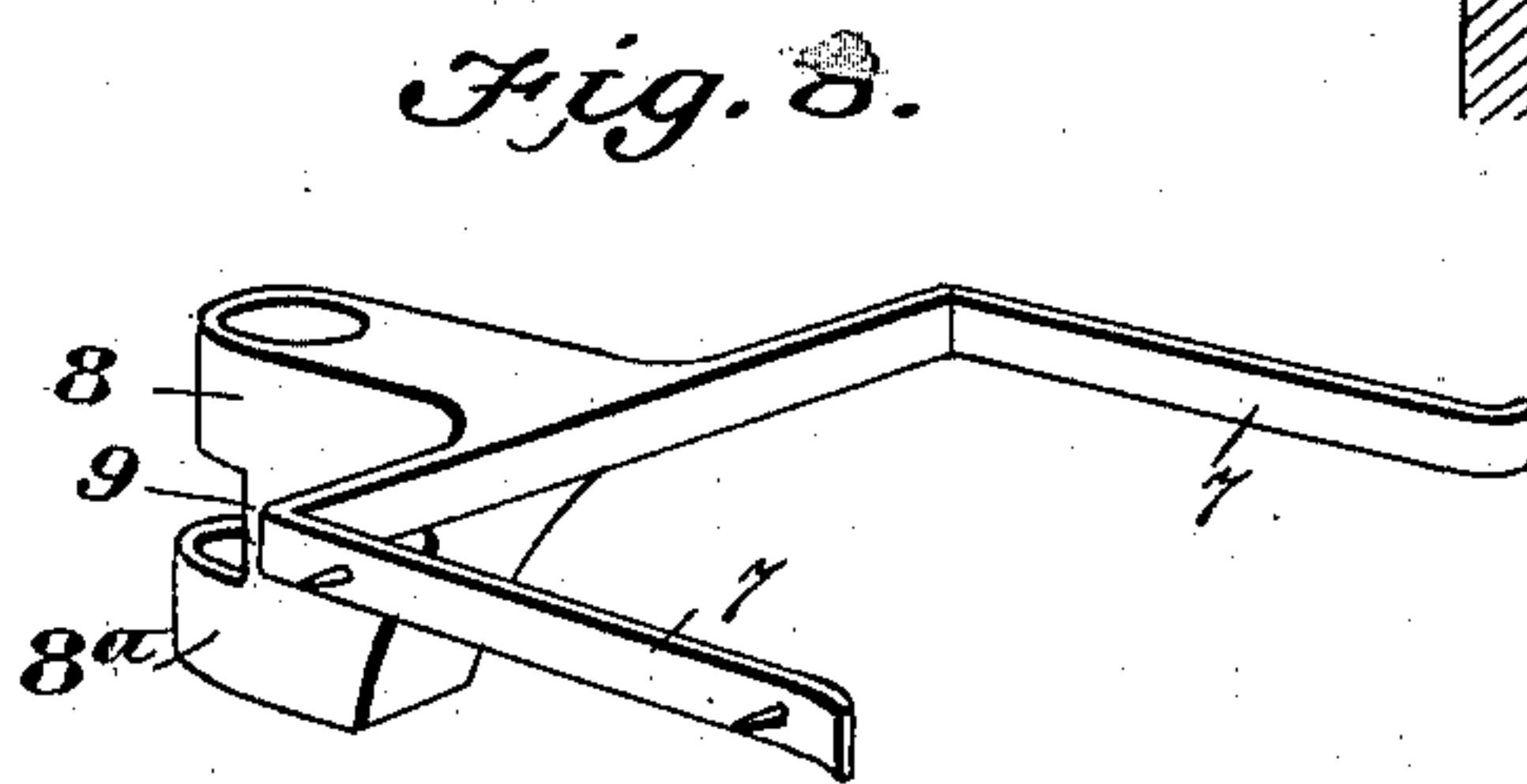
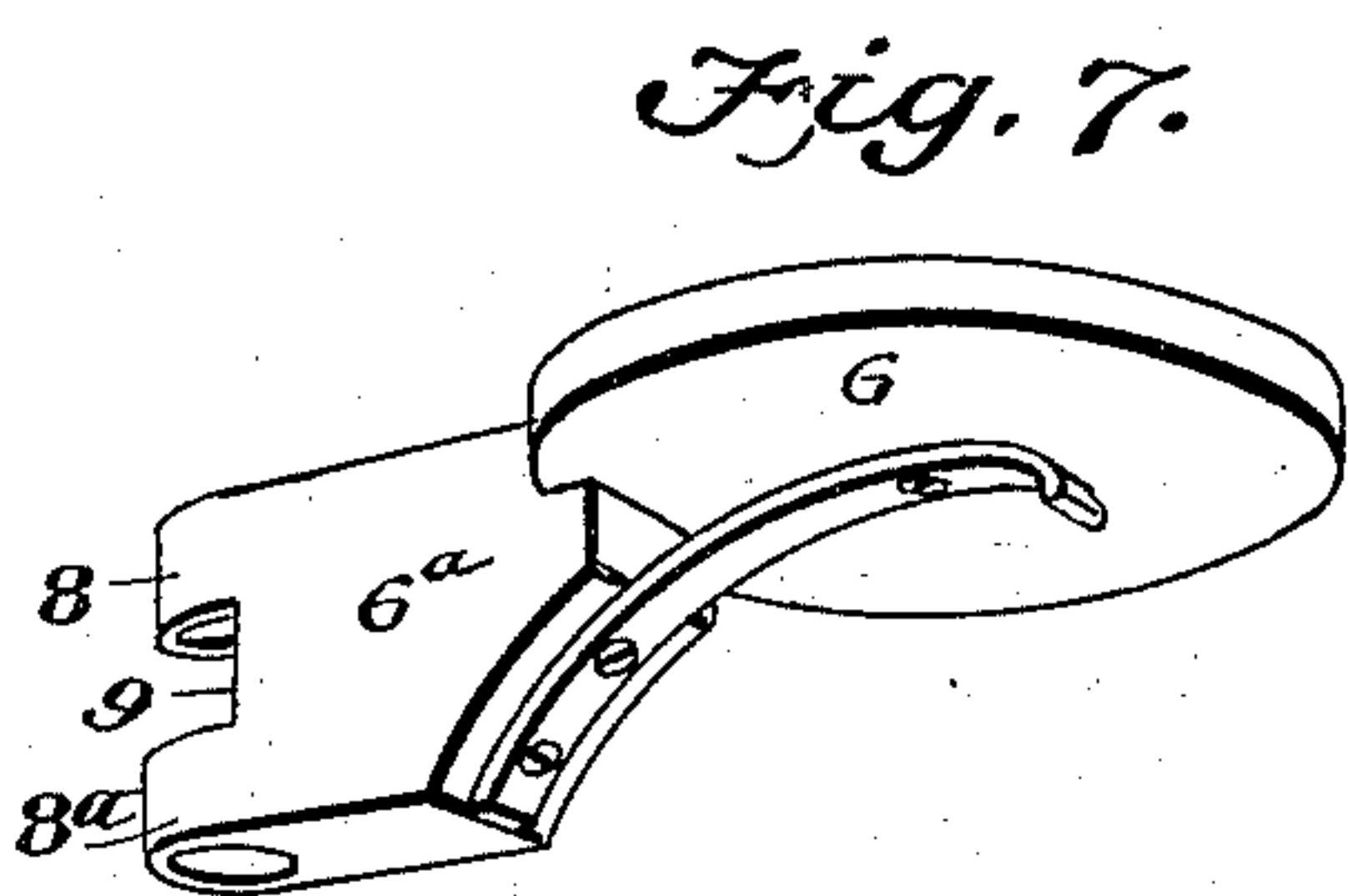
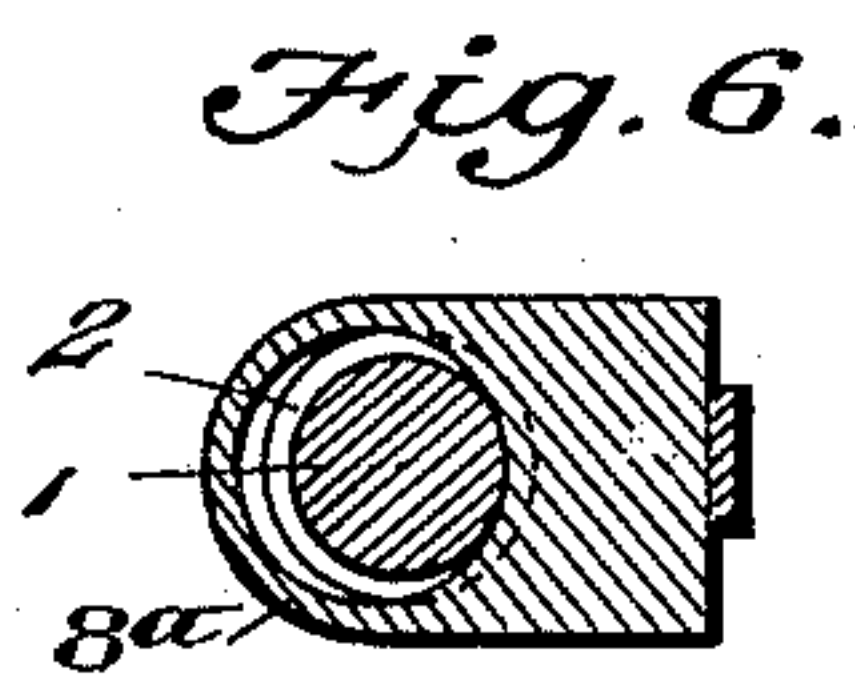
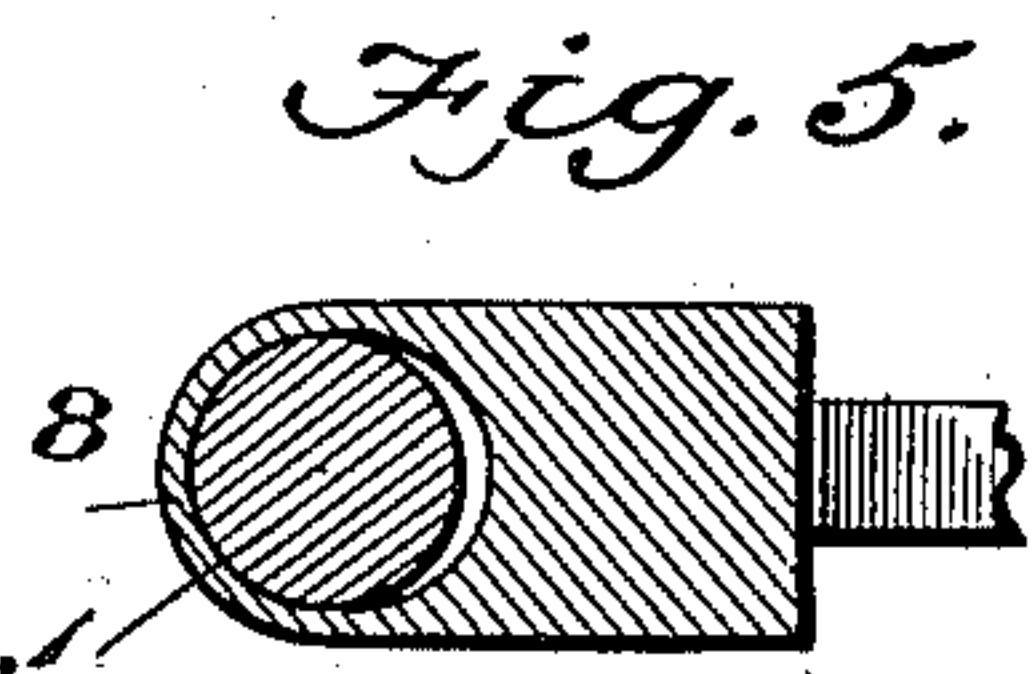
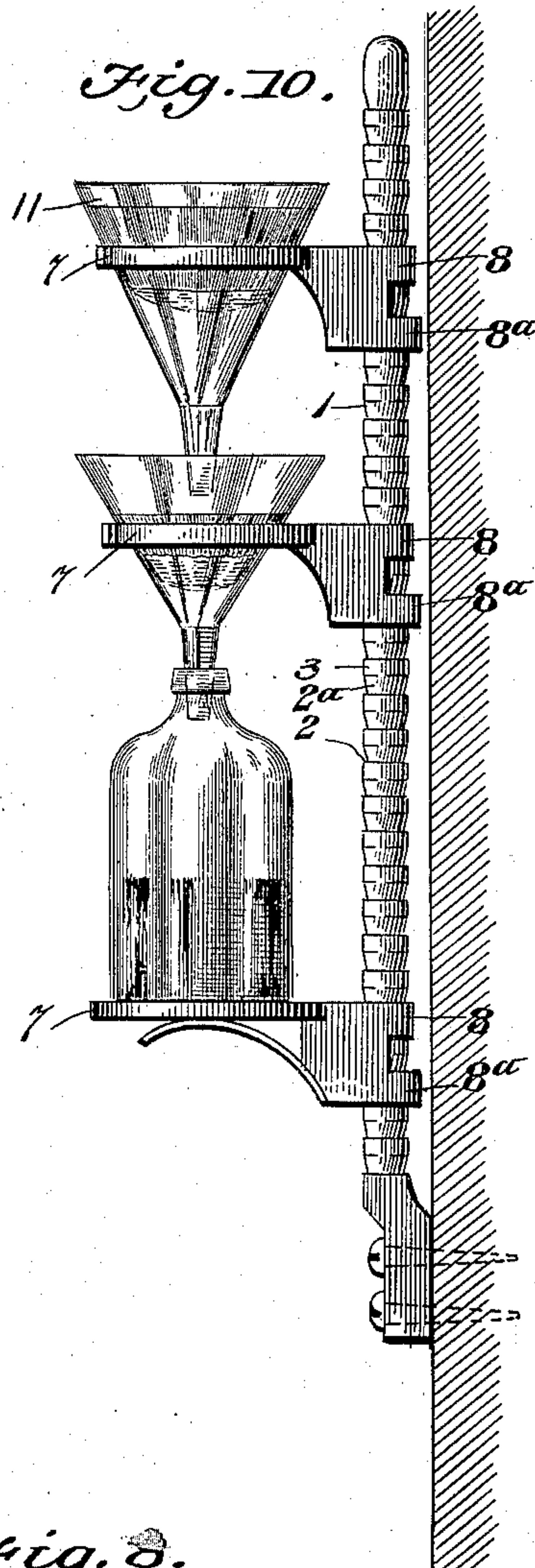
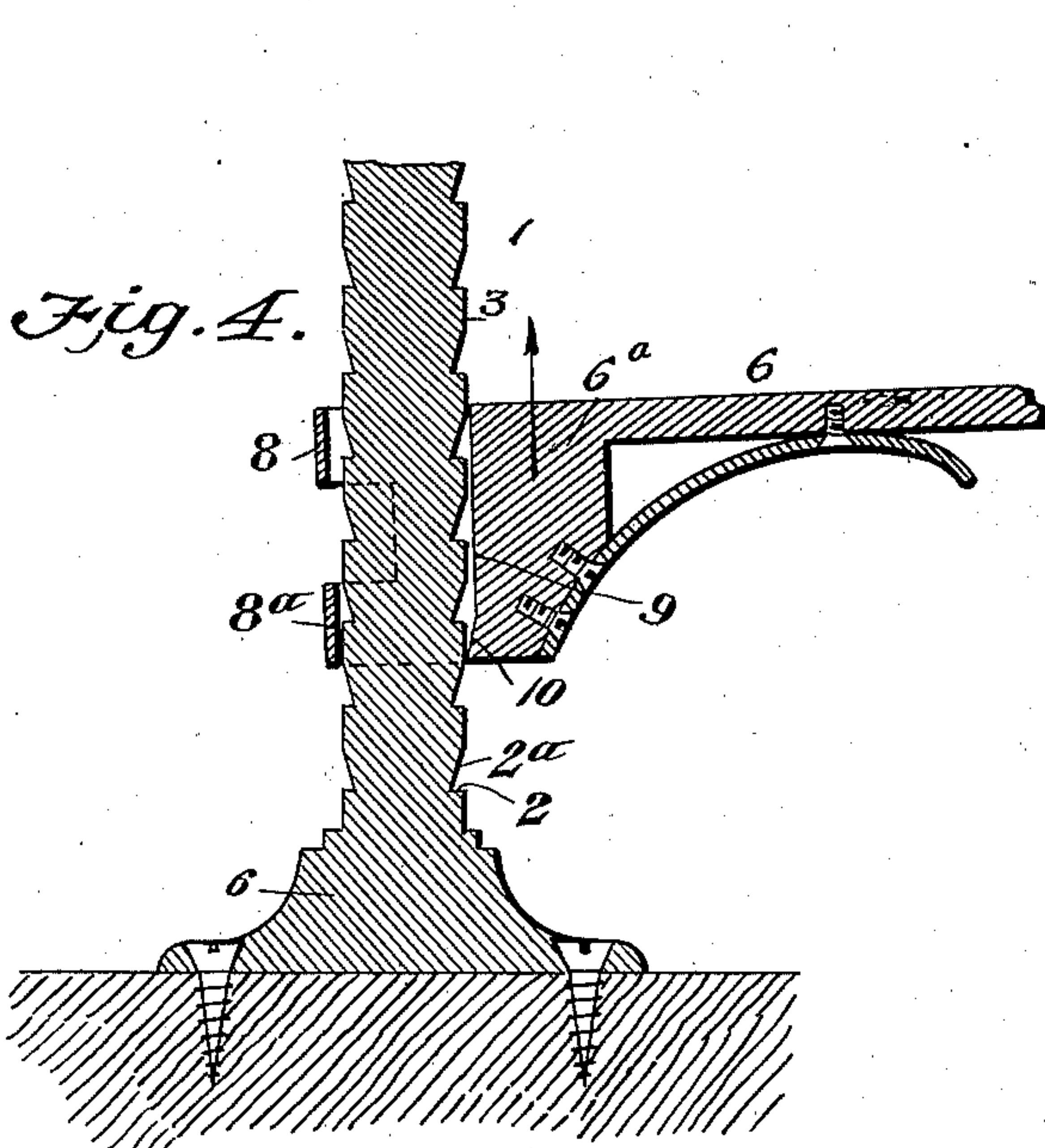
Patented July 10, 1900.

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(Application filed May 18, 1899.)

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2 Sheets—Sheet 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM S. MALLARD, OF DARIEN, GEORGIA.

BAG-FILLING APPLIANCE.

SPECIFICATION forming part of Letters Patent No. 653,305, dated July 10, 1900.

Application filed May 18, 1899. Serial No. 717,296. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. MALLARD, residing at Darien, in the county of McIntosh and State of Georgia, have invented a new and Improved Bag-Filling Appliance, of which the following is a specification.

This invention is in the nature of a simple, economical, and easily-manipulated appliance for store service, and it comprehends a standard adapted to be conveniently supported upon a store counter or shelf and supporting members adapted to form a holder for paper bags, sacks, or bottles as they are being filled and having such adjustment upon the standard whereby they can be instantly raised or lowered to the desired point and also swung in a horizontal plane and capable of being held to their vertical adjustment without the aid of special detent or locking means.

My invention consists in certain details of construction and peculiar combination of parts, all of which will be first described and then pointed out in the appended claim, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view illustrating my invention as used in connection with the ordinary counter weighing-scales. Fig. 2 shows in side elevation my invention as a bag supporting and filler means. Fig. 3 is a detail vertical section of a portion of the standard and one of the bag or bottle holding adjustable supports, said support being shown in its locked engagement with the standard. Fig. 4 is a similar view showing the holder adjusted to move freely vertically upon the standard. Figs. 5 and 6 are horizontal sections taken, respectively, on the lines 5-5 and 6-6 of Fig. 3. Figs. 7, 8, and 9 are detail views of different forms of adjustable holders hereinafter more particularly referred to, and Fig. 10 is a view illustrating my invention adapted for use as a bottle-filler.

In the accompanying drawings I have illustrated my invention adapted for use as a paper-bag support and bottle-holder; but I desire it understood that its use is not limited to such purposes as shown, as the same may be readily employed as a store-window goods-exhibitor or for other kindred purposes.

In its practical application my invention

comprehends a standard or post formed with a base member 1^a. The body or shank portion 1 of the standard is round in horizontal section and has a series of horizontally-disposed annular seats or depressions made cone-shaped, with the base or widened portion thereof at the top. These seats, it will be noticed, consist of the horizontal or rest portion 2 and the outwardly and upwardly flared circular sides 2^a, which terminate at the perimeter of the shank, which shank has a vertical annular bearing-section 3 between each pair of seats.

When set up for use, my invention includes generally a plurality of holders, (see Fig. 2,) a lower supporting member, and an upper combined rest and guide member, and both forms of holders have their inner or hub portions constructed alike. The lowermost holder is usually formed of a solid horizontally-projecting base 6, integrally formed with or fixedly secured to its hub portion 6^a, while the upper holder, when my appliance is to be used on a grocer's counter as a bag filler and holder, is constructed as shown in detail in Fig. 8, its laterally-extending portion being in the nature of a pair of parallelly-extending spring-arms 7 7, also integrally formed with or made fast to its respective hub portion. The hub portions of all the holders have their rear (outer) faces bifurcated to form upper and lower ring portions 8 8^a, the rear (outer) portions of which have a height preferably no greater than the spaces between a pair of annular seats, as shown, although this exact height is not absolutely essential. The inner parts of the upper and lower ring portions merge with each other and form an inner semi-circular socket 9, the lower end of which terminates in an inwardly and downwardly extending lip 10, which is adapted to engage the beveled vertical wall of the seat portions and also rest on the horizontal ledge of the annular seats, as clearly shown in Fig. 3, by reference to which it will be observed the diameter of the ring portion of the hub is slightly in excess of that of the standard, whereby the weight of the laterally-extending portion of the holder will cause same to tilt to bring the lip of the holder to engage with and rest upon the annular seats of the standard, while the outer part of the upper ring portion of the

hub seats against the bearing-surfaces of the said post.

I am aware that ratchet-faced posts having supports vertically adjustable thereon have heretofore been provided. My invention differentiates from what has heretofore been shown, so far as I know, in that the post is made with a series of annular notches or seats, the spaces intervening said notches each having a straight bearing portion 3, which merges at the lower edge with an inwardly-inclined portion that merges with and serves to form a part of the annular seats, the supporting members in my construction having ring portions adapted to engage the straight faces 3 of the post, and thereby produce a positive bearing-surface for the holder as the parts swing around it, they also serving to properly keep the holder with its detent or lock member in connection with the annular seats.

So far as described it will be readily apparent that when utilized as a bag-filler the lowermost holder forms the rest for the bag, while the upper holder, which is of the form shown in Figs. 1 and 8, supports a funnel 11, the neck of which projects into the bag. To remove the filled bag, it is only necessary to move the upper holder up a notch or two to clear the funnel from the bag when it is desired to continuously hold the funnel, it being understood that when used in the manner shown in Fig. 2 the contents to be poured into the bag are previously weighed.

It is manifest that the upper holder may have its arms provided with hooks (see dotted lines, Figs. 1 and 2) to catch the upper edge of a cloth bag, which can be held up taut by elevating the upper holder to the desired degree, and when it is desired to remove the bag it is only necessary to slightly lower the holder to slacken the upper end of the bag, when it can be readily removed from the hooks.

To lower the holder, the outer end is elevated sufficiently to cause the detent-lip to clear the annular seats, it being obvious that as soon as lift-pressure on the holder is re-

leased its lip will gravitate into engagement with the annular seat.

One of the advantages of my invention is that the same can be readily used in connection with the ordinary counter weight-scale, as shown in Fig. 1, so that the contents can be weighed and filled at the same time. When thus used, the lowermost holder is swung around a way until out of register with the upper holder and the weighing-scale shoved into position, as shown.

My improvement will also be found very useful for drug-stores. By making the standard secure in some convenient corner and applying two or three holders the same can be employed for filtering, bottle-filling, or other like purposes.

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

An appliance of the character described, comprising a standard having a series of horizontal seats, and a vertical circular bearing-face intermediate each pair of horizontal seats; in combination with the holder consisting of a rest portion 6 and a hub portion 6^a, the hub portion having upper and lower ring members 8 8^a, of a diameter greater than the diameter of the standard, whereby the said hub has a limited lateral play on the standard, the rings 8 8^a being in different vertical planes, and the lower ring 8^a, having an inwardly-projecting lip 10, adapted to engage the horizontal seats of the standard, the said two rings 8 8^a being so disposed relatively to the circular bearing-faces of the standard that the outer portion of the upper ring will bear against one of the said circular faces when the lip 10 is in engagement with one of the annular faces, all being arranged substantially as shown and described.

WILLIAM S. MALLARD.

Witnesses:

J. G. FORBES,
WM. MCW. YOUNG.