

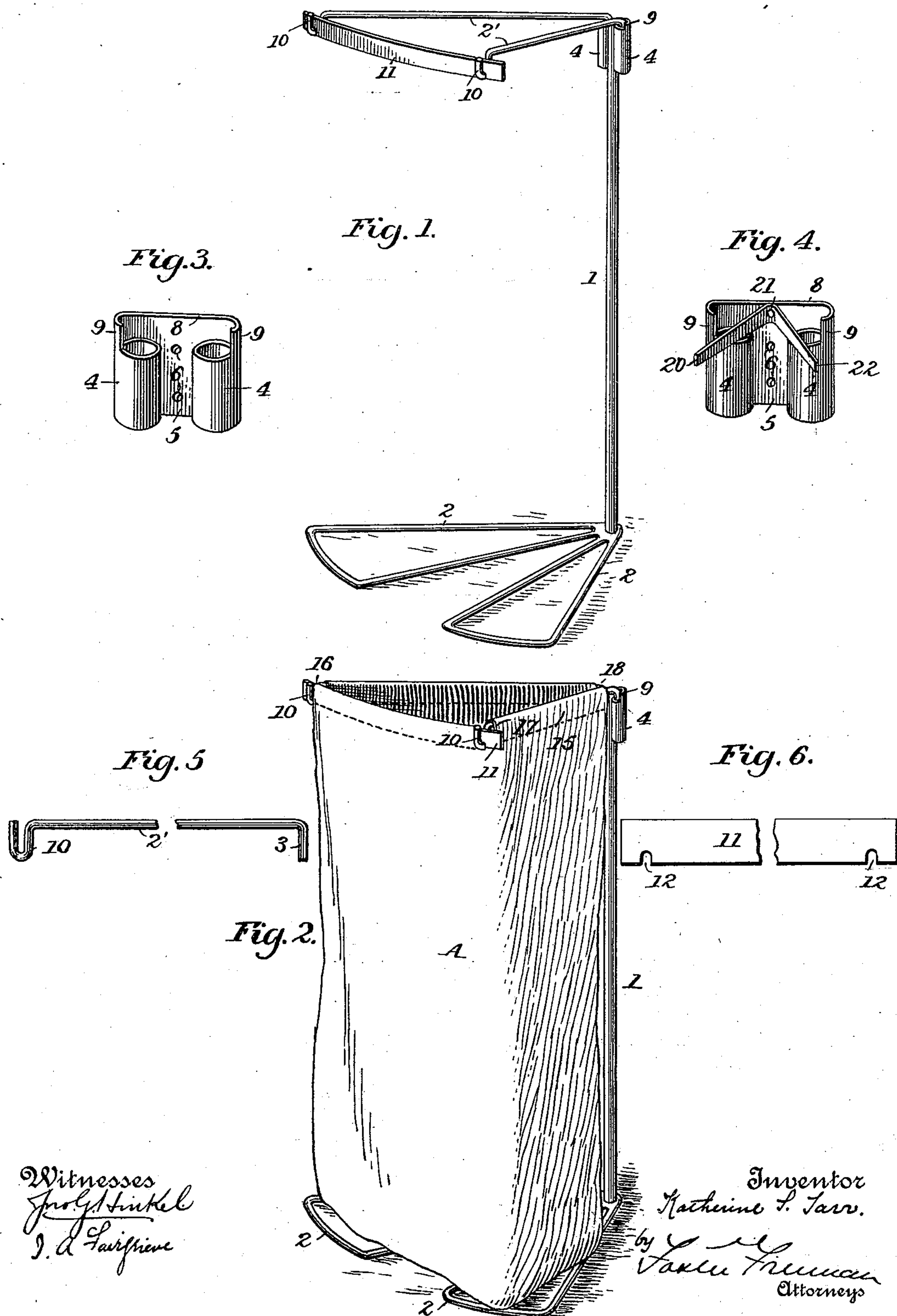
(No Model.)

2 Sheets—Sheet 1.

K. S. TARR.
BAG OR SACK SUPPORTER.

No. 558,531.

Patented Apr. 21, 1896.



Witnesses
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(No Model.)

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Fig. 8.

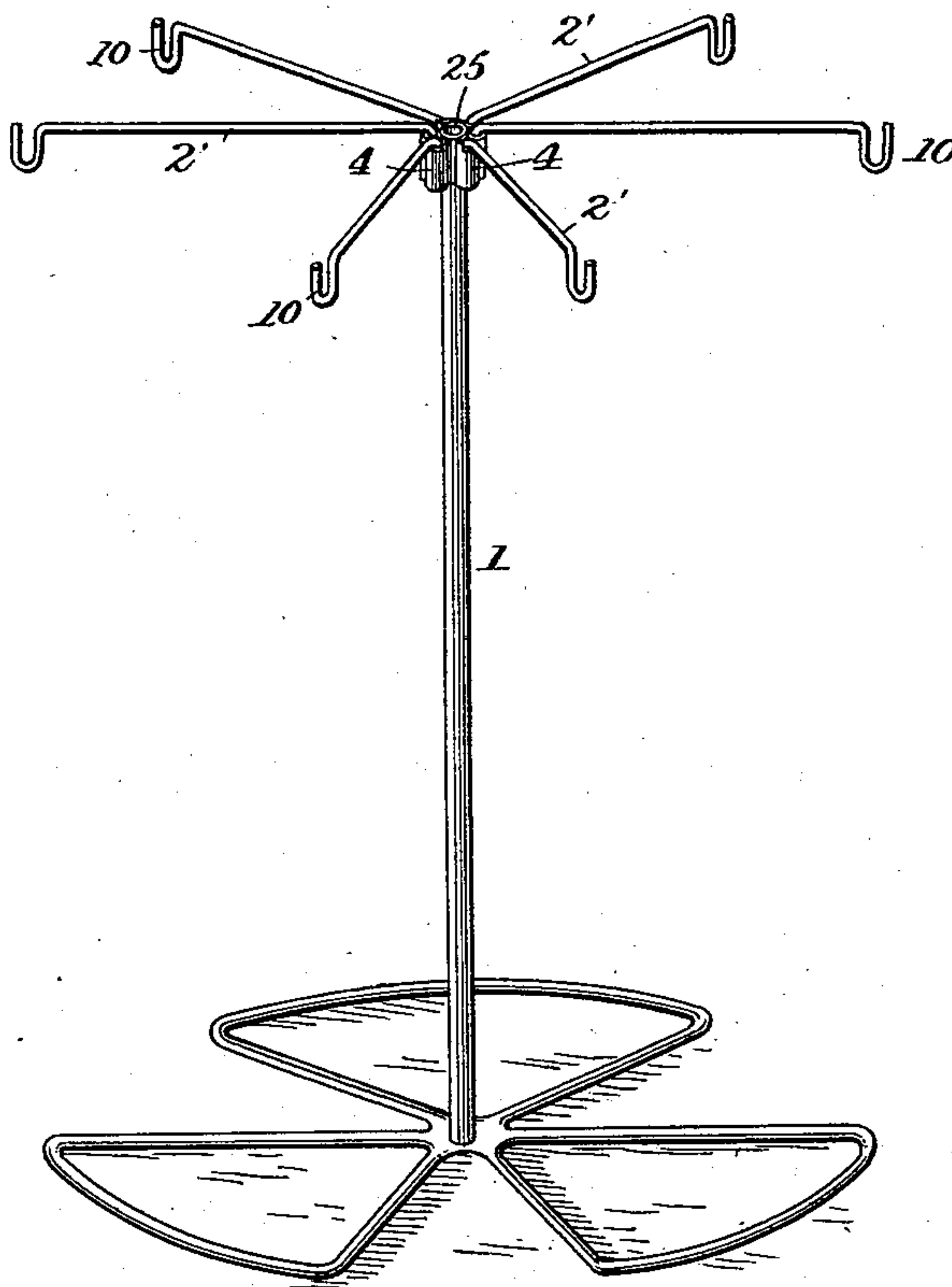


Fig. 9.

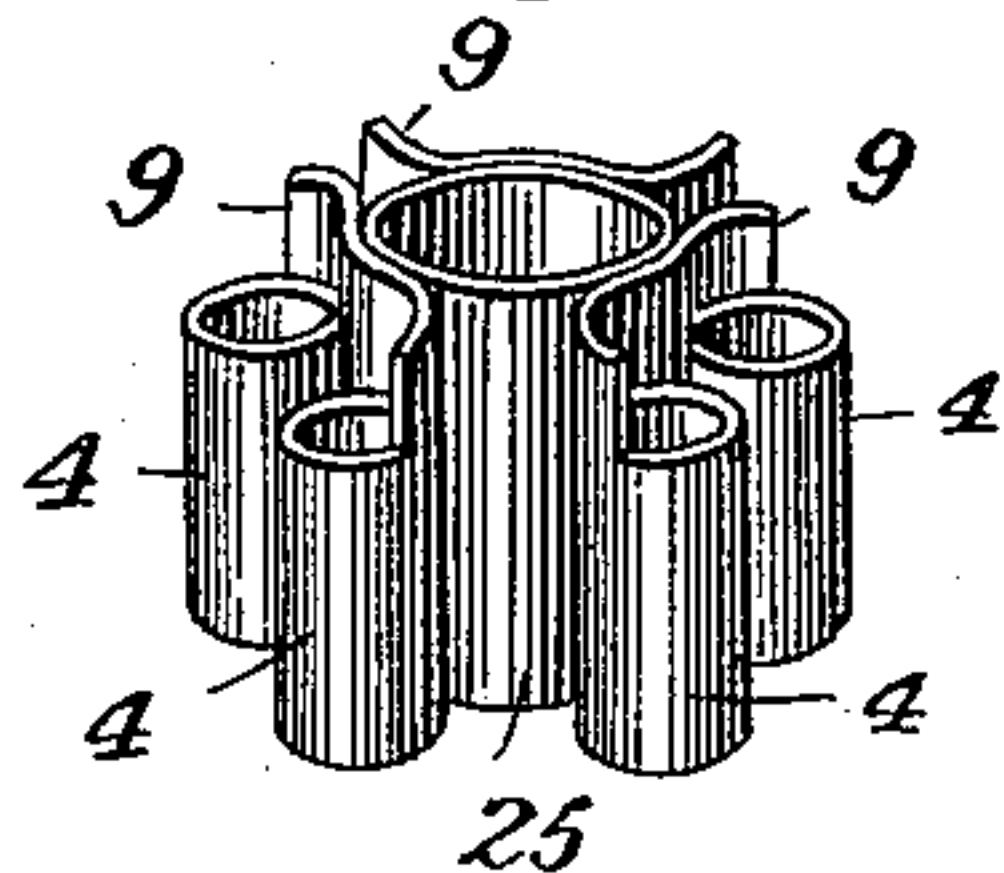


Fig. 7.



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UNITED STATES PATENT OFFICE.

KATHERINE SHIPPEN TARR, OF NEW YORK, N. Y.

BAG OR SACK SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 558,531, dated April 21, 1896.

Application filed May 14, 1895. Serial No. 549,284. (No model.)

To all whom it may concern:

Be it known that I, KATHERINE SHIPPEN TARR, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Bag or Sack Supporters, of which the following is a specification.

This invention relates to certain new and useful improvements in bag-holders; and it consists, substantially, in such features of construction, arrangement, and combinations of parts as will hereinafter be more particularly described.

The invention has for its object to provide a simple and inexpensive portable device for supporting a bag or other similar receptacle while being filled, and one that is strong and durable and not liable to get out of order.

A further object of the invention is to facilitate the attachment and detachment of the bag or receptacle, and to maintain the mouth thereof in an open position, so as to more readily receive the materials or substances with which the bag is to be filled.

The invention also has certain other objects in view, as will hereinafter more fully appear when taken in connection with the accompanying drawings, wherein—

Figure 1 represents a perspective view of one embodiment of my invention, the same indicating the position of the several parts when holding a bag or other similar receptacle. Fig. 2 is also a perspective view, representing the same embodiment of my device with the bag or receptacle in position for receiving the contents intended therefor. Fig. 3 is an enlarged detail in perspective of the preferred embodiment of socket for the movable or swinging supporting-arms. Fig. 4 is a similar view to the preceding figure, showing in connection therewith the preferred embodiment of devices for maintaining the arms spread apart. Fig. 5 is a side view in detail of one of the movable or swinging supporting-arms, and Fig. 6 is a similar view of one form of locking bar or strip. Fig. 7 is a view in perspective of a portion of a modified form of the swinging arm. Fig. 8 is a view in perspective of my improved holder or support when constructed to receive a plurality of bags or receptacles. Fig. 9 is a top perspective of the socket employed

in the construction shown by the preceding figure.

While my invention is not limited to the particular character or nature of the uses to which the bags or receptacles may be put, I intend in some instances to employ the device as a holder or support for bags or receptacles for receiving garbage, and in which case the device will be located in some convenient place from which, when the bag has been filled, the garbage-collector can detach the same and carry it away. The bags or receptacles are, of course, to be made of some cheap material, such as paper, so that the expense of replacing the same will be insignificant as compared with the advantages derived.

My invention is capable of being constructed in a great many different ways, and while I have herein represented certain preferred details thereof, it will be understood that I am not limited thereto in any particular. Thus in the practice of my invention some suitable upright is necessary, and this I construct either of a section of pipe or of a solid rod, as indicated at 1, and the lower end of which is screwed into or otherwise inserted in a suitable base 2. Said base has no special construction, but preferably is made to extend outward beneath the movable or swinging arms hereinafter described, so as to have the bottom of the bag or receptacle rest thereon while its upper end is held in position to be filled. The upper end of the bag or receptacle is held or supported by means of suitable horizontally-disposed arms, which are held apart so as to distend the mouth of the bag sufficiently to enable the ready filling of the bag. Said arms could be constructed in various ways, as could the devices which support them in position relative to the upright or post; but in order to derive the desired movable or swinging action thereof I resort to the forms such as I have herein represented. As shown, the said arms 2' are bent or turned at one end to form cranks 3, which are received and held by the sockets 4 4, formed with or attached to the upper end of the standard or upright, and it will be seen that the said arms can be readily turned or swung in their bearings.

As a convenient way of constructing the

sockets they are formed of a single piece of metal or other suitable material turned inwardly or around at the ends, and having a connecting portion 5, which is formed with
 5 holes 6, through which pass the screws or rivets (not shown) which secure the sockets to the standard. The said connecting portion 5, it will be observed, is raised or extended a suitable distance above the upper
 10 ends of the sockets at 8, and it will also be observed that such raised or extended portion is carried around the circumference of the sockets for a short distance, so that stops 9 are thereby constituted, which limit the
 15 outward movement of the arms while held in the sockets. While thus providing against the said arms being swung apart too far, I have found it also very desirable in use that the outer ends of the arms be firmly locked
 20 in position so as to prevent distortion thereof either from strain imposed by the weight of the contents of the bag, or otherwise; and while various means could be resorted to for this purpose I prefer to bend the outer ends
 25 of the arms so as to form hooks 10, and I connect the arms by means of a locking-bar 11, which is received by the hooks and which is notched on its lower edge near each end at 12, so as to engage the lower bend in the hooks
 30 and thereby lock the arms to hold them stationary. The swinging arm is represented in a modified form at Fig. 7, and wherein in lieu of the hook 10 the end of the arm is provided with a ball or knob 10^a to prevent the
 35 locking-bar from slipping off. It is to be noted that the bar also subserves the additional function of a partial spreader for the mouth of the bag. Thus, as will be observed on reference to Fig. 2, the upper edge of the bag A
 40 is formed with a hem 15, which is slit at the points 16, 17, and 18, so as to enable the arms to be projected or slipped through the hem, and then the locking-bar is slipped through the remaining portion of the hem—say from
 45 16 to 17—and the ends of the bar made to engage with the hooks of the arms in an obvious manner. To conveniently slip the arms through the hemmed portions of the bag, the arms are drawn together closely, and they are
 50 spread again automatically, as herein explained.

Instead of hemming the upper edge of the bag, as shown, it is evident that small rings or loops could be employed on the edge of
 55 the bag with equal facility; or, in lieu of these, I might form holes in the bag near the upper edge, and the arms and locking-bar could be passed through such holes in substantially the same manner as through the hemmed
 60 portions. These changes are contemplated by me and are therefore intended to be included within my invention.

The locking-bar is usually made flat, and in order that the same may be firmly held in
 65 position between the ends of the arms, it is slightly sprung between its ends, and this construction also serves to spread the mouth

of the bag a little wider if the bar is arranged in the position shown in Fig. 2—that is to say, with its bulging or convex side outward. 70

When the bag is sufficiently full, the act of drawing the arms together to remove the bag serves to close the mouth thereof, which can be tied or not, as desired, previous to being removed. 75

As an additional means for holding the arms spread apart, so as to maintain the mouth of the bag in an open position, I employ devices which bear upon the arms near their inner ends, and while various devices 80 could be used for the purpose I preferably resort to the form shown at Fig. 4, wherein the same is constituted of a butterfly-spring 20, secured at 21 to the connecting portion between the sockets, and having the wings 22 85 thereof spread outward to bear upon the arms. The said wings exert sufficient pressure to hold the arms apart normally whether the locking-bar be in place or not, and but for the double function of such bar the latter 90 might in some instances be dispensed with. It is by the force of said spring that the arms are separated automatically after they have once been drawn together either for the purpose of attaching or removing a bag. 95

While I have thus far confined my support to a single bag or receptacle, it is evident that two, three, or more may be supported or held in a similar way and at the same time. Thus in Fig. 8 I have shown the general ar- 100 rangement of support for holding a number of bags, and in which no change of structure is had, with the exception of increasing the number of arms and their supporting-sockets, the latter being secured to a sleeve 25, adapted 105 to fit the upper end of the standard.

From the foregoing description, taken in connection with the accompanying illustrations, it is thought the construction and operation of my invention will be thoroughly un- 110 derstood, and, as before stated, I am not limited to the precise details of the preferred devices employed in the practice thereof.

I claim—

1. In a bag-holder, the combination of a 115 standard having sockets at or near the upper end thereof, arms freely swinging in said sockets and having hooks at their outer ends, and the locking-bar held by such hooks and notched to engage the same, substantially as 120 described.

2. In a bag-holder, the combination of a standard having sockets at or near the upper end thereof, arms freely swinging in said sockets and having hooks at their outer ends, stops 125 limiting the outward movement of the arms, and the locking-bar held by the hooks and notched to engage the same, substantially as described.

3. In a bag-holder, the combination of a 130 standard having sockets at or near the upper end thereof, arms freely swinging in said sockets, springs normally spreading the arms apart, stops limiting the outward movement

of the arms, and the locking-bar notched at or near each end and engaging the arms at or near their outer ends, substantially as described.

5 4. A bag-holder comprising movable or swinging arms, and a locking-bar between the outer ends of said arms, in combination with a bag or similar receptacle provided at its mouth with holding means through which
10 said arms and bar are inserted, substantially as described.

5 5. In a bag-holder, the combination of the movable arms provided with hooks at their outer ends, the locking-bar held by such
15 hooks and notched to engage the same, and a bag or similar receptacle provided at its mouth with a hem and notched at points to enable the insertion of said arms and bar, substantially as described.

20 6. In a bag-holder, the combination of the movable or swinging arms, a locking-bar between the outer ends thereof, stops limiting the outward movement of the arms, and a bag or similar receptacle provided at its
25 mouth with a hem and notched at points to enable the insertion of said arms and bar, substantially as described.

7. A bag-holder comprising movable or swinging arms, and a locking-bar holding the arms apart, in combination with a bag or
30 similar receptacle provided at its mouth with attaching devices through which said arms and bar are inserted, substantially as shown and in the manner described.

8. A bag-holder comprising movable or
35 swinging arms, and a locking-bar between the outer ends of said arms, in combination with a bag or similar receptacle provided at its mouth with a hem and notched or slit at different points to enable the insertion of said
40 arms and bar, substantially as described.

9. In a bag-holder, the combination of the movable arms provided with hooks at their outer ends, and the locking-bar held by such
45 hooks and notched to engage the same, substantially as described.

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

KATHERINE SHIPPEN TARR.

Witnesses:

JOHN D. TAYLOR,
GEO. STOLL.