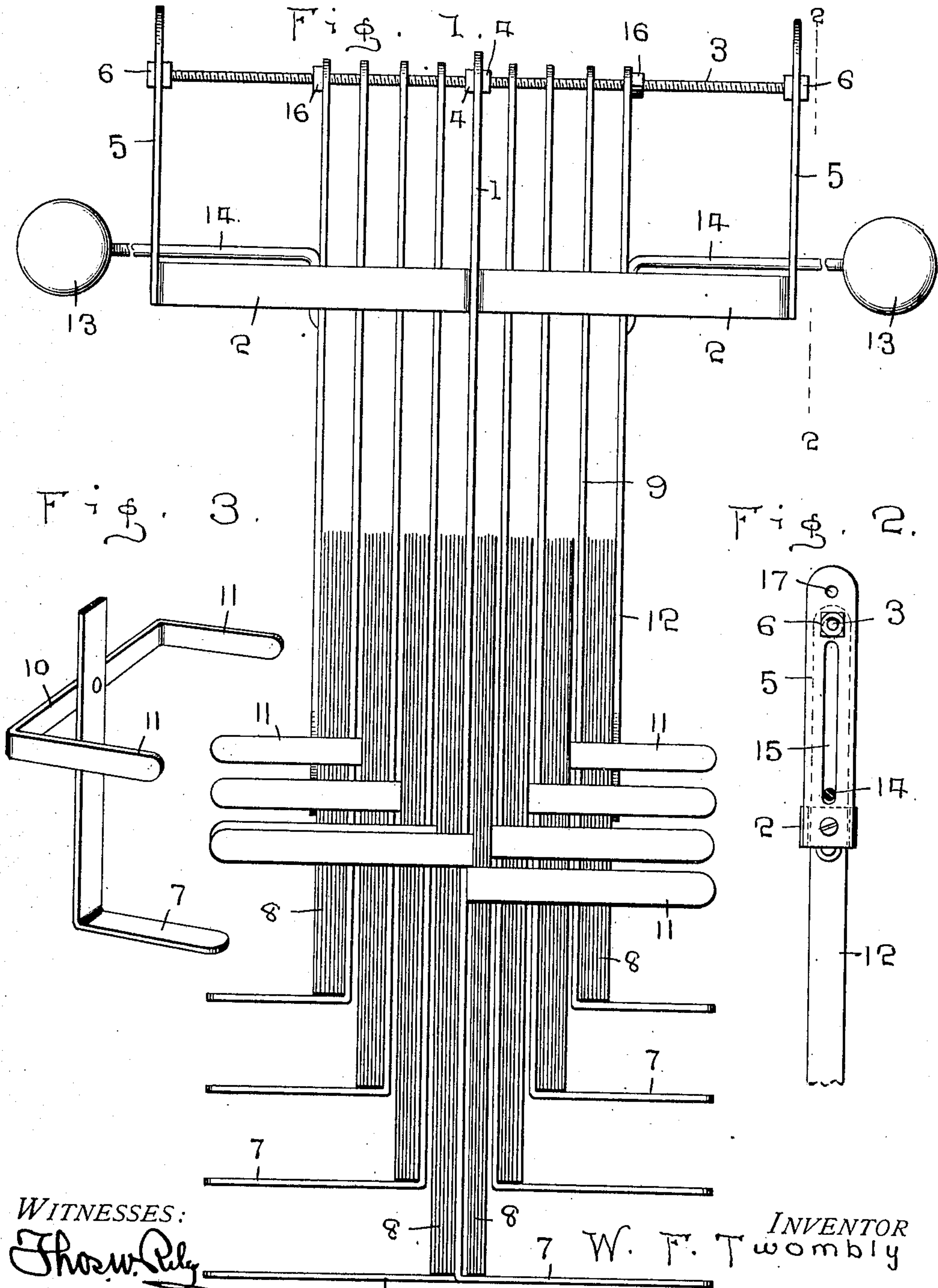


W. F. TWOMBLY.
BAG HOLDING APPLIANCE.
APPLICATION FILED NOV. 3, 1908.

913,586.

Patented Feb. 23, 1909.



WITNESSES:

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WILLIAM FREDRICK TWOMBLY, OF HEBRON, IOWA.

BAG-HOLDING APPLIANCE.

No. 913,586.

Specification of Letters Patent.

Patented Feb. 23, 1909.

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To all whom it may concern:

Be it known that I, WILLIAM F. TWOMBLY, a citizen of the United States, residing at Hebron, in the county of Adair and State of Iowa, have invented certain new and useful Improvements in Bag-Holding Appliances; and I do hereby 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.

My invention relates to new and useful improvements in bag holding appliances and more particularly to that class adapted to be used for holding paper bags and my object is to provide a device of this class whereby a number of bags of different kinds and lengths may be supported in convenient reach and maintained in assorted bunches.

A further object is to provide means for holding said bags against casual removal from the holding appliance and a still further object is to provide means for increasing or decreasing the capacity of the holding appliance.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is an elevation of the bag-holding appliance, as applied to use. Fig. 2 is a detail view of a portion of one end of the appliance as seen on line 2—2, Fig. 1, and, Fig. 3 is a detail perspective view of one of the holders removed.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the main bar of my improved holding device, which is preferably constructed from an oblong flat piece of metal and has secured to its opposite faces and adjacent its upper end, loops 2, the upper end of the bar 1 having an opening therein through which extends a threaded rod 3, the bar 1 being held substantially at the longitudinal center of the rod 3 by means of jam nuts 4.

The ends of the rods 3 extend through brackets 5, which brackets are fixed to the ends of the loops 2, the rod being held securely to the brackets by means of jam nuts 6 placed at opposite sides of the bracket.

The lower end of the bar 1 is slitted and the two portions thus provided, bent in op-

posite directions from each other and at right angles to the longitudinal trend of the bar 1 to form rests 7 for bags 8, and in order to support a plurality of bags, a number of auxiliary bars 9 are suspended from the rod 3 at each side of the main bar, said auxiliary bars extending through the loops 2 and having their lower ends bent at right angles to form rests similar to the rests on the main bar 1, each succeeding auxiliary bar being shorter than the preceding bar to accommodate bags of varying lengths and by properly arranging the lengths of the auxiliary bars with respect to the main bar, the tops of the bags will be maintained at a uniform height.

The bags are held in position on their respective rests by providing each bar with a cross arm 10, the ends of which cross arms are provided with extensions 11, which extensions are placed at right angles to the trend of the cross arms and are adapted to extend along the edges of the bags supported by the rests 7 and 9.

The bags are held against casual displacement or removal from the holding appliance by suspending a clamping plate 12 from the rod 3 one at each side of the series of auxiliary bars, the lower ends of the clamping plates being held in engagement with the outermost set of bags by means of weights 13, which weights are secured to the outer ends of shanks 14, the inner ends of said shanks being secured to the clamping plates 12.

The shanks 14 are of such lengths as to dispose the weights beyond the brackets 5, said shanks passing through elongated slots 15 in the brackets 5, by which means the shanks and weights thereon are retained in proper alinement.

In placing the bags on the holding appliance, the nuts 16 employed for holding the clamping plates 12 in position to engage the bags, are turned towards the outer ends of the rod 3 and the clamping plates moved away from the auxiliary bars 9 and the auxiliary bars are likewise moved away from the main bar 1 when a plurality of the largest sized bags are placed on the rests 7 at the lower end of the main bar and between the extensions 11, on said bar.

The auxiliary bars closest to the main bar are then moved inwardly until they rest against the bags already in position, when a bunch of bags next in size to the largest bags is placed on the auxiliary bars so posi-

tioned and so on until all of the auxiliary bars are supplied with bags, or as many as there are different sized bags to be accommodated.

5 As soon as all of the bags have been properly placed in position, the clamping plates 12 are moved inwardly and into engagement with the outermost bunch of bags when the nuts 16 are turned inwardly on the rod 3
10 until the upper ends of the clamping plates are engaged.

As the clamping plates 12 are loosely mounted on the rod 3, the weights 13 will direct inward pressure on the plates 12 and
15 cause the lower ends thereof to bind against the bags to such an extent as to require a firm pull to remove any one of the bags from its respective position.

The distance between each succeeding rest
20 7 is such as will permit the bottom portion of the bag to be swung outwardly and given a downward pull to remove the same from the holding appliance and as soon as the supply of bags on any one of the rests has
25 been exhausted, a new supply can be introduced by swinging the lower ends of the auxiliary bars outwardly or away from the bar to be supplied with the bags and by properly arranging the weights, they will
30 maintain the pressure on the clamping plates until such time as all of the bags are exhausted.

The brackets 5 are preferably extended a distance above the rod 3 and provided with
35 openings 17 through which may be disposed any suitable form of device for suspending the bag holding appliance above a counter or in position to be readily accessible.

What I claim is:

40 1. In a bag holding appliance, the combination with a main bar having rests at its lower end, a plurality of auxiliary bars at each side of the main bar, each of said auxiliary bars having a rest at its lower end and
45 means to suspend said bars; of clamping plates and means to direct inward pressure

on the clamping plates, whereby objects supported by said bars will be held against casual displacement.

2. In a bag-holding appliance, the combination with a main bar having oppositely
50 disposed rests at its lower end and a supporting rod for said bars; of a plurality of auxiliary bars at each side of said main bar and suspended from said rod, each of said auxiliary bars having a rest at its lower end, said
55 rests being adapted to support bags and means to apply pressure on the bags whereby they will be held against casual displacement.

3. In a bag holding appliance, the combination with a plurality of suspended bars having rests at their lower ends, said bars decreasing in length from the central bar
60 outwardly, loops carried by the central bar, through which the remainder of the bars extend, clamping plates at each side of the series of bars and means to direct inward pressure on said clamping plates, whereby
65 objects carried by the bars will be held against casual displacement.

4. In a bag holding appliance, the combination with a main bar, loops carried by said
70 main bar, a supporting rod for said bar and means to fix the bar in position on the rod; of a plurality of auxiliary bars at each side of the main bar, each auxiliary bar being of less length than the preceding bar from the
75 central bar outwardly, all of said bars having rests at their lower ends adapted to support bags, means on said bars to hold said
80 bags against lateral movement and additional means to direct pressure on the bags and hold said bags against casual displacement.

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

WILLIAM FREDRICK TWOMBLY.

Witnesses:

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N. O. KEESE.