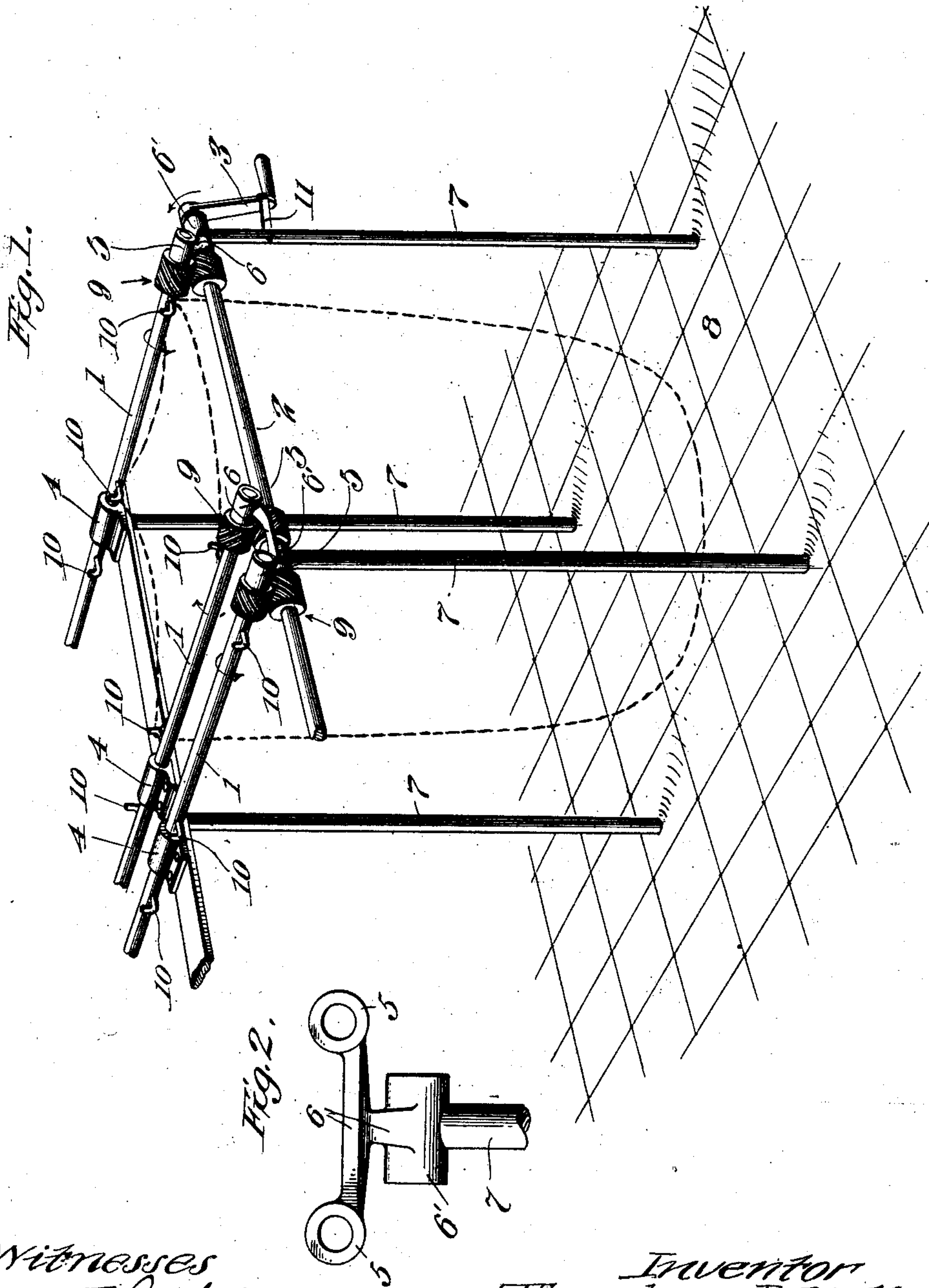


T. D. HALL.
BAG HOLDER.

APPLICATION FILED MAY 1, 1908.

906,794.

Patented Dec. 15, 1908.



Witnesses
James T. Backett
Ollie Palmer

Inventor
Thompson D. Hall
Howard Shaw
Attorneys.

UNITED STATES PATENT OFFICE.

THOMPSON D. HALL, OF LOS ANGELES, CALIFORNIA.

BAG-HOLDER.

No. 906,794.

Specification of Letters Patent.

Patented Dec. 15, 1908.

Application filed May 1, 1908. Serial No. 430,307.

To all whom it may concern:

Be it known that I, THOMPSON D. HALL, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Bag - Holders, of which the following is a specification.

The object of this device is to provide a rack on which sacks may be hung and easily released when heavy and when full of mail or other articles so as to render them unwieldy and difficult to dislodge from the usual racks now in use. To this end I employ a series of movable hooks on which the sacks are suspended. These hooks are mounted on movable members which may all be actuated from a single point to turn the hooks so that the sacks will drop off.

I accomplish the above object by means of the device described herein and illustrated in the accompanying drawing, in which:—

Figure 1,—is a perspective view of my improved bag holder, a bag being shown therein in dotted lines. Fig. 2,—is an enlarged detail of the bearings for the upper shafts.

The mechanism of this rack consists of a plurality of longitudinal rotating shafts 1 operated by a cross shaft 2 having a crank 3 on its end. Shafts 1 are supported in bearings 4 at points along their extent and at their ends in bearings 5. Bearings 5 are supported by arms 6 which are formed integrally with bearings 5 and 6', shafts 1 and 2 being thus held in rigid relation to each other. Standards 7 are provided to support the rack at a convenient distance above the floor 8.

The connections between shaft 2 and shafts 1 are preferably effected by means of spiral gears 9 but it is obvious that this connection could be made in any other suitable and well known manner. The direction of operation of the gears is such that, when crank 3 is rotated in the direction indicated by the arrow thereon, shafts 1 are rotated in the indicated directions. Shafts 1 are situated in pairs one complete pair being shown in the drawing and also a single shaft of another pair. The shafts on each pair are provided with inwardly and upwardly projecting hooks 10 over which the sack is adapted to be suspended. The directions of rotation

indicated are such that the hooks will be thrown downward when crank 3 is rotated as indicated. When the hooks have been rotated through less than a half revolution the sacks will drop from them onto the floor. A spring hook 11 is provided on one of the standards 7 to engage with crank 3 and prevent its accidental rotation so that the sacks are normally held in their supported position. When it is desired to rotate the crank this spring hook may be pushed out of engagement, the crank coming into engagement with it at the end of a complete revolution when the hooks are again in their normal position to receive a sack. It is obvious that this sack is capable of different arrangements for different locations and uses. For instance, in the sorting of mail a rack of this character is utilized which will support a large number of sacks. It will be seen that this rack may be continued both longitudinally and transversely to accommodate as many sacks as is desired, all the sacks being released by a single movement of crank 3. It is also desirable to have the sacks on the back tier slightly higher than those in front so as to aid in placing articles in the rear sacks. These changes, and others to suit particular requirements may be made in the application of my rack to particular conditions as the invention consists primarily of a means to move the supporting hooks so as to release the sacks hung thereon.

Having described my invention what I claim as new and desire to secure by Letters Patent is:—

A rack, comprising a supporting frame, a plurality of longitudinal shafts journaled in said frame, a plurality of supporting hooks mounted on said shafts, a transverse operating shaft journaled on said frame, and gear connections between said operating shaft and said longitudinal shafts.

In witness that I claim the foregoing I have hereunto subscribed my name this 23rd day of April, 1908.

T. D. HALL.

Witnesses:

EDMUND A. STRAUSE,
OLLIE PALMER.