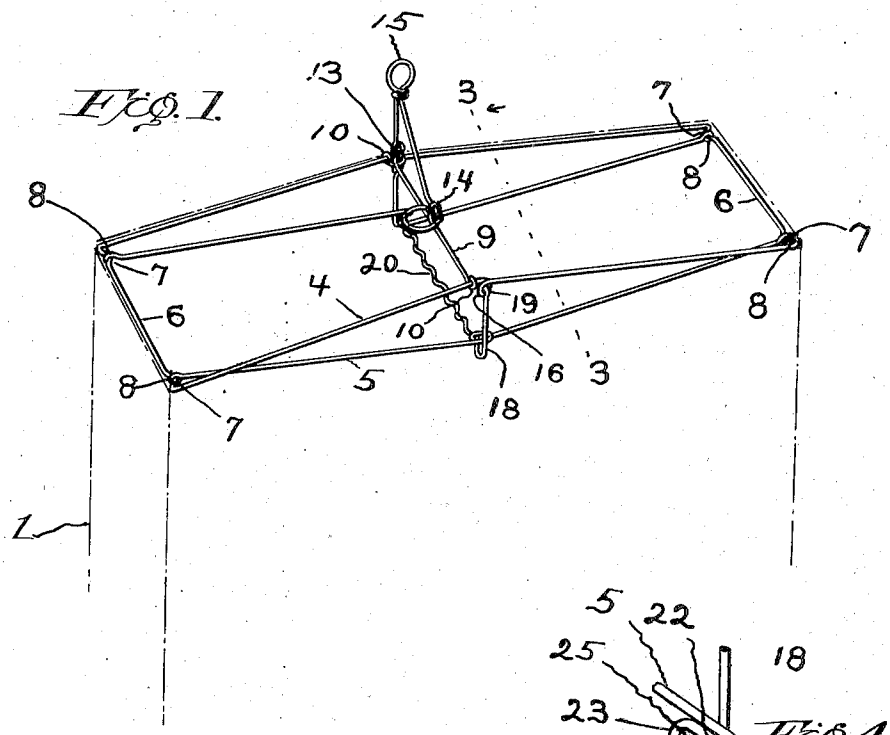
C. R. NORMANDY.

SPREADER AND HANGER FOR RECEPTACLES.

APPLICATION FILED DEC. 7, 1916.

1,290,299. Patented Jan. 7, 1919.

FIG. 1.



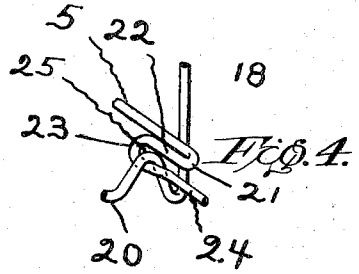


FIG. 4.

FIG. 2.

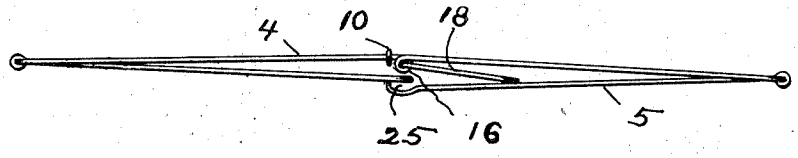
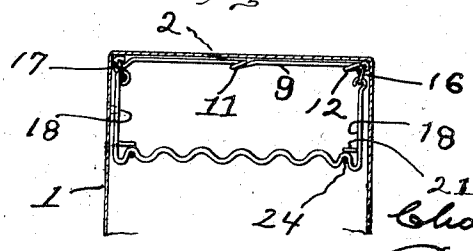


FIG. 3.



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UNITED STATES PATENT OFFICE.

CHARLES R. NORMANDY, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR TO STANDARD MOTH BAG COMPANY, OF WASHINGTON, DISTRICT OF COLUMBIA, A CORPORATION OF VIRGINIA.

SPREADER AND HANGER FOR RECEPTACLES.

1,290,299. Specification of Letters Patent. Patented Jan. 7, 1919.

Application filed December 7, 1916. Serial No. 135,670.

To all whom it may concern:

Be it known that I, CHARLES R. NORMANDY, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Spreaders and Hangers for Receptacles, of which the following is a specification.

In the drawings Figure 1 is a perspective view of my improved hanger and spreader for receptacles with the parts in extended position, a receptacle being shown in dotted out-lines.

Fig. 2 is a front elevation of the same with the parts in collapsed position.

Fig. 3 is a transverse sectional view of Fig. 1 on the line 3—3, the suspending hook being removed, and the receptacle being shown in section.

Fig. 4 is an enlarged detail view.

This invention is adapted for use with collapsible wardrobes and moth proof bags of the type illustrated in patent to Leo Geschickter 1082859, Dec. 30, 1913.

In connection with the manufacture and use of collapsible receptacles of the character referred to, considerable difficulty has been experienced in providing a suitable spreader to extend the top of the receptacle and from which the body of the receptacle hangs. Cardboard has been used for this purpose, but it has been found to be objectionable in that it is liable to fracture in handling. A solid piece of wooden board has been used for this purpose, but this is objectionable because of its bulk and its weight. Open wooden frames have been used for this purpose, but such frames are objectionable because of the weight and cost of the same, they being more expensive to manufacture than the solid wooden board.

In receptacles of this character, the major weight of the contents of the receptacle such for instance as suits of clothing and other articles of apparel, are suspended directly from a support through the spreader, but it is frequently desirable to place smaller articles, such as furs, hats, etc., on the bottom of the receptacle, the weight of such smaller articles being carried by the top of the receptacle through the body thereof, therefore it is desirable in an article of this character to provide a light but strong spreader, and at the same time a spreader which will be simple, which will occupy a minimum space, and which will be cheap to manufacture.

The object of my invention is to provide a light spreader for receptacles of this character, which will be strong, simple of construction, cheap to manufacture, and which will occupy a minimum space within the receptacle or closure.

A further object of my invention is to provide a spreader for a closure or receptacle of the character above referred to, from which clothing is directly suspended from the spreader within the receptacle whereby the receptacle is relieved of all strains incident of the weight of the clothing hung therein.

A further object of my invention is to provide a spreader, for a receptacle of the character above referred to, which may be collapsed for the purpose of shipment, and which may be extended to increase its strength when in use.

A further object of my invention is to provide a skeleton frame hanger, thereby eliminating all possibility of the lodgment of dust, insect eggs, etc., between said receptacle and spreader or hanger.

A further object of my invention is to provide a truss like hanger or spreader for the collapsible receptacle of the character above referred to; and with these and other objects in view my invention consists of the parts and combinations of parts as hereinafter specified.

The reference numeral 1 designates a closed bag or receptacle having a top wall 2 and the usual end side and bottom walls. This receptacle may be made of any textile or paper fabric as found best adapted for the purposes and to suit the taste and desires of the trade. These bags or receptacles are provided with dust and moth proof closures and are designed to receive clothing of every character.

My improved spreader comprises an upper frame 4 and a lower frame 5. While I have shown these frames as being constructed from wire it is of course understood that any material may be used which is adapted for the purpose. The end members 6 of the upper frame are provided near each end with inward U shaped bends 7 which are to receive return bends 8 on the outer ends of

the arms of the lower frame 5, said return bends constituting eyes which have a loose bearing on the end members 6 of the frame within the U shaped bends 7 whereby the two frames 4 and 5 are loosely hinged together at their outer ends, so that they may be collapsed as shown in Fig. 2.

The upper frame 4 is provided with a strut 9 rigidly connected thereto by eye 10 whereby the arms of the upper frame are spaced open and held in that position. This strut is provided with bends constituting eyes 11 and 12, the eye 11 being positioned mid-way between the arms of the frame 4 and eye 12 being positioned near the rear arm of the frame 4. These eyes 11 and 12 are adapted to receive eye bolts 13 and 14 to which a suitable hanger 15 is pivoted, whereby the spreader, with its receptacle may be suspended from a vertical support, such as a wall, or an overhead support, such as a shelf. The construction of the hanger 14 shown and its associated parts, are not claimed in this application as they constitute the basis for an application for patent filed in my name, Dec. 7, 1916, Serial No. 135,671.

The side arms of the upper frame 4 are rebent at the center to form depending eyes 16 and 17 from which a strut distending member is pivotally hung. This distending member or strut is of substantially U shape and comprises upright tension arms 18 terminating at their upper ends in eyes 19 which engage the eyes 16 and 17 of the upper frame 4. The strut or transverse rod 20 is integrally formed with and connects the lower ends of the tension arms 18. This strut is formed with undulations, the bottoms of which constitute points of support for coat hangers, whereby the coat hangers are maintained in spaced relation upon said rod 20 within the receptacle.

The lower frame is rebent at its middle portion, as at 21, the rebend 22 extending in the horizontal plane of the frame. It is then bent downwardly as at 23 and then forwardly as at 24 to constitute an open eye or hook 25 adapted to detachably receive the outer end portions of the rod or strut 20, as shown in Fig. 4, said rod and tension arms 18, being in the position shown in Figs. 1, 3, and 4, whereby the upper and lower frame are maintained in extended relative position to form a truss like spreader.

When the bag or receptacle is delivered to a customer the spreader is in the collapsed position shown in Fig. 2. When the bag is suspended from a suitable support by the hanger hook 15, the rod 20, with its tension arms 18, is pulled down and swung into engagement with the eyes 25 of the lower frame as shown in Fig. 1, bringing the strut 20 into proper position to receive coat hangers within the walls of the receptacle.

When the receptacle, provided with my improved spreader, is in "stock", or is packed for shipment, the hanger is in the collapsed position shown in Fig. 2, the body of the receptacle or bag being wrapped upon the spreader, so that the completed package occupies a minimum space thereby greatly facilitating the handling and packing of the goods in "stock" and for shipment.

While I have shown a preferred embodiment of my invention in detail it is obvious that changes may be made therein without departing from the scope of the appended claims.

What I claim is:

1. A spreader and hanger for a receptacle comprising an upper and lower frame pivoted together at their ends, a cross bar pivotally connected to one of said frames and adapted to have detachable operative connection with the other of said frames to hold the two frames in extended position whereby a truss like hanger is formed.

2. A spreader and hanger for a receptacle comprising an upper and lower frame pivoted together at their ends, a hanger bar extending across the upper frame and connected at its ends to said frame, a cross bar pivotally connected to one of said frames and adapted to have detachable operative connection with the other of said frames to hold the two frames in extended position whereby a truss like hanger is formed.

3. A spreader and hanger for a receptacle comprising an upper and a lower frame pivoted together at their ends, a hanger bar extending across the upper frame and connected at its ends to said frame, eyes in the side members of the upper frame, a cross bar pivotally connected to said eyes and adapted to have detachable operative connection with the other of said frames to hold the two frames in extended position whereby a truss like hanger is formed.

4. A spreader and hanger for a clothes receptacle comprising an upper and lower frame pivoted together at their ends, a substantially U shape bar pivotally secured to the upper frame and depending therefrom and having interlocking engagement with the lower frame, whereby said frames are held in extended position.

5. A spreader for a clothes receptacle comprising an upper and lower frame pivoted together at their ends, arms pivotally secured to and depending from the upper frame and a detachable interlocking connection between the lower ends of said arms and the lower frame, whereby said frames are held in extended position.

6. A spreader for a clothes receptacle comprising an upper and lower frame pivoted together at their ends, arms pivotally connected to and depending from the upper frame, and a detachable interlocking connec-

tion between the lower ends of said arms and the lower frame whereby the frames are held in extended position, and a bar connecting the lower ends of said arms and extending transversely of said spreader.

7. A spreader for a clothes receptacle comprising an upper frame made from a single piece of wire, the front and rear arms of said frame being rebent at their center to form an eye in each, a lower frame constructed from a single piece of wire, the front and rear arms of which are bent at their center to form an open hook, arms pivotally mounted in the eyes of the upper frame and depending therefrom, a cross bar connecting the lower ends of said arms, said cross bar being adapted to enter the open hooks of the lower frame whereby the frames are held in extended position, said upper and lower frames being pivotally secured together at their ends.

8. A spreader for a clothes receptacle comprising an upper frame made from a single piece of wire, the front and rear arms of said frame being rebent at their center to form an eye in each, a lower frame constructed from a single piece of wire, the front and rear arms of which are bent at their center to form an open hook, arms pivotally mounted in the eyes of the upper frame and depending therefrom, a cross bar connecting the lower ends of said arms, said cross bar being adapted to enter the open hooks of the lower frame whereby the frames are held in extended position, and the strut extending transversely of and secured to the upper frame, an eye formed in said strut within the rear of the frame and an eye formed in said strut substantially at the center of said frame, said upper and lower frames being pivotally secured together at their ends.

In testimony whereof I affix my signature.

CHARLES R. NORMANDY.