No. 660,246. Patented Oct. 23, 1900.

H. M. FESSENDEN.

COLLAPSIBLE CLOSET.

(Application filed July 12, 1900.)

(No Model.)

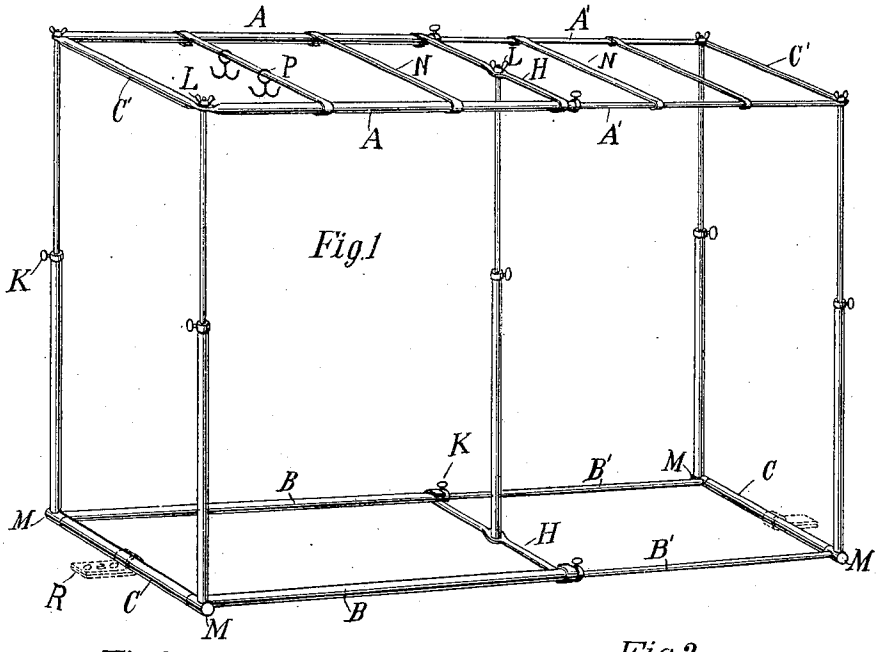


Fig.1

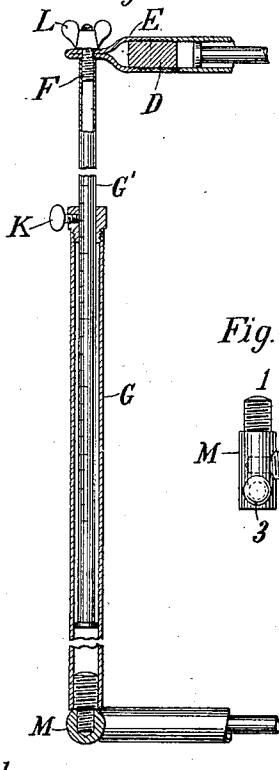


Fig.3

Fig.4

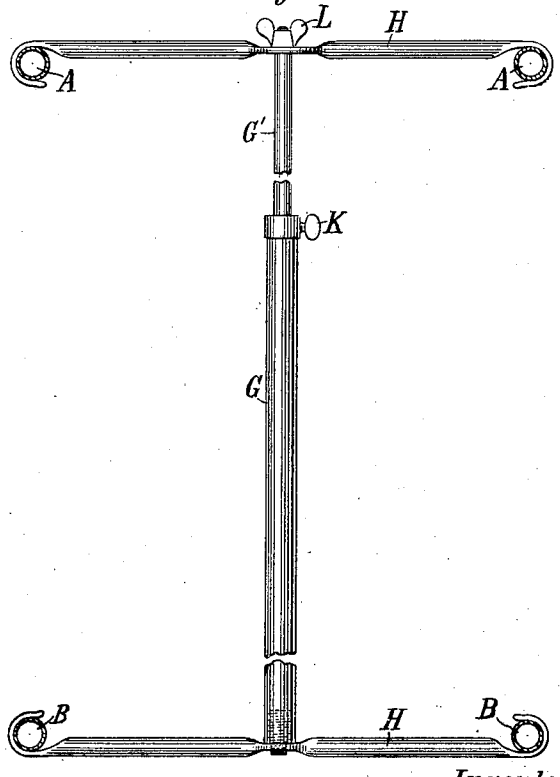


Fig.2

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UNITED STATES PATENT OFFICE.

HARRY M. FESSENDEN, OF NEW YORK, N. Y.

COLLAPSIBLE CLOSET.

SPECIFICATION forming part of Letters Patent No. 660,246, dated October 23, 1900.

Application filed July 12, 1900. Serial No. 23,340. (No model.)

To all whom it may concern:

Be it known that I, HARRY M. FESSENDEN, a citizen of the United States, residing in the borough of Manhattan, in the city, county, and State of New York, have invented certain new and useful Improvements in Collapsible Closets, of which the following is a specification, reference being had to the drawings accompanying and forming a part of the same.

The object of the invention which forms the subject of my present application is to provide a simple, cheap, and convenient form of knockdown or collapsible closet the frame of which may be readily disconnected into parts of short length and packed into small compass for convenient transportation.

The improvement consists, essentially, in a frame composed of sections, preferably tubular, which are detachably secured together and arranged to telescope one within the other in the specific manner hereinafter described, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a frame set up ready for use; Fig. 2, an enlarged view of a center support and the cross-bars to which the same is attached; Fig. 3, an enlarged sectional view of one of the uprights and portions of the side bars to which the same is connected, and Fig. 4 a detail of a corner connection.

The top and bottom portions of the frame are composed of tubular rods A A and B B, of approximately one-half the entire length of the frame, and smaller rods A′ A′ and B′ B′, which telescope and are adapted to slide freely within the same. The ends of the rectangular frames are composed of the tubular rods C C, which connect the side bars of the bottom frame, and C′ C′, which similarly connect the side bars of the top frame.

The top and bottom frames are supported by uprights, each composed of telescoping sections G and G′. One of such uprights is connected to each corner of the two frames, and as an additional support a similar upright is connected to two cross-bars H H, secured to the upper and lower frames at or near the center of the same.

Each of the telescoping uprights, as well as the side bars of the upper and lower frames, is provided with clamping-screws K, by means of which the two sections are held in fixed relation to one another in whatever position they may be adjusted.

In order that the several portions of the frame may be disconnected into simple straight portions, the said sections are secured together at the corners by any suitable form of joint which permits their ready detachment from each other. The devices for this purpose may be considerably varied, but I prefer those illustrated in Figs. 1, 3, and 4.

The corner sections or joints for the top frame are composed of short lengths of tubing E, bent at right angles and pinched together at the angle. In the open ends of the bent tube are driven or screw plugs D, with projecting threaded ends, which latter are adapted to enter and engage with the internally-threaded ends of the tubes A or A′. The ends of the upright tube-sections G′ are suitably formed to engage with the corner-pieces E, preferably by means of threaded plugs F, driven or screwed into the tubes and adapted to be secured to the corner-pieces by wing-nuts L.

The corner-pieces for the bottom frame are short pieces of tubing M, or they may be solid, with three threaded projections 1, 2, and 3, the first for engaging with the internally-threaded end of a cross-bar C, the second for engaging in a similar manner with the end of a side bar B or B′, and the third for engaging with an upright G.

In addition to the side and end bars of the frame and the center support and its cross-bars I employ any desired number of light cross-bars N, with hooked or other suitably-formed ends, which are sprung or slipped over the side bars of the upper frame to afford supports for hooks P or the like.

Assuming the parts to be all disconnected, it will be seen that they may be packed in small compass and carried in a trunk. To set the closet up, the cross-bars C are first united to the corner-sections M and the cross-bars C′ to the corner-pieces E. The top and bottom frames are then completed by uniting the side bars to their respective corner-pieces and the frame erected by uniting the top and bottom frames by the uprights. The frame may be inclosed by a suitable cover or curtain of any desired material.

If desired, the frame may be clamped in position by any suitable clamps R.

It is desirable that the frame should be as light as possible and at the same time rigid and strong. For this reason it is desirable to use comparatively thin steel tubing or the like; but I may use for parts of the frame solid bars or rods of steel or of other material.

As a matter of convenience and to enable one to more easily set up the frame the inner sections of the uprights may be marked over in some form of scale, so as to indicate their height.

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

1. A knockdown or collapsible closet-frame, composed of sectional side bars, one section being adapted to telescope into the other, sectional uprights similarly adapted to be telescoped, and end bars, all detachably connected together in substantially the manner herein shown.

2. A knockdown or collapsible closet-frame composed of top and bottom frames with telescoping side bars, and end bars detachably connected thereto, and telescoping uprights detachably connected to the top and bottom frames, the telescoping bars being provided with means for fixing them in any length to which they may be adjusted, as set forth.

3. A knockdown or collapsible closet-frame composed of telescoping side bars and uprights, end bars, and corner-pieces to which the said side and end bars and uprights are detachably connected, as herein set forth.

4. A knockdown or collapsible closet-frame composed of telescoping side bars and uprights, end bars and a central telescoping upright, all of said parts being detachably connected as herein set forth.

HARRY M. FESSENDEN.

Witnesses:
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