

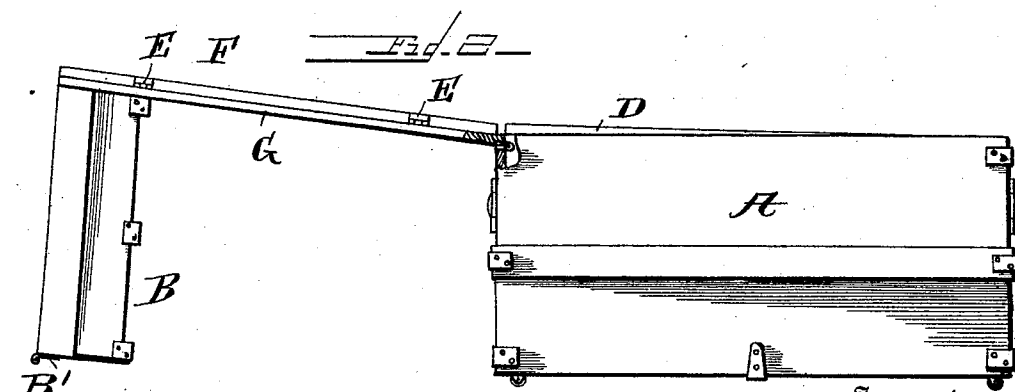
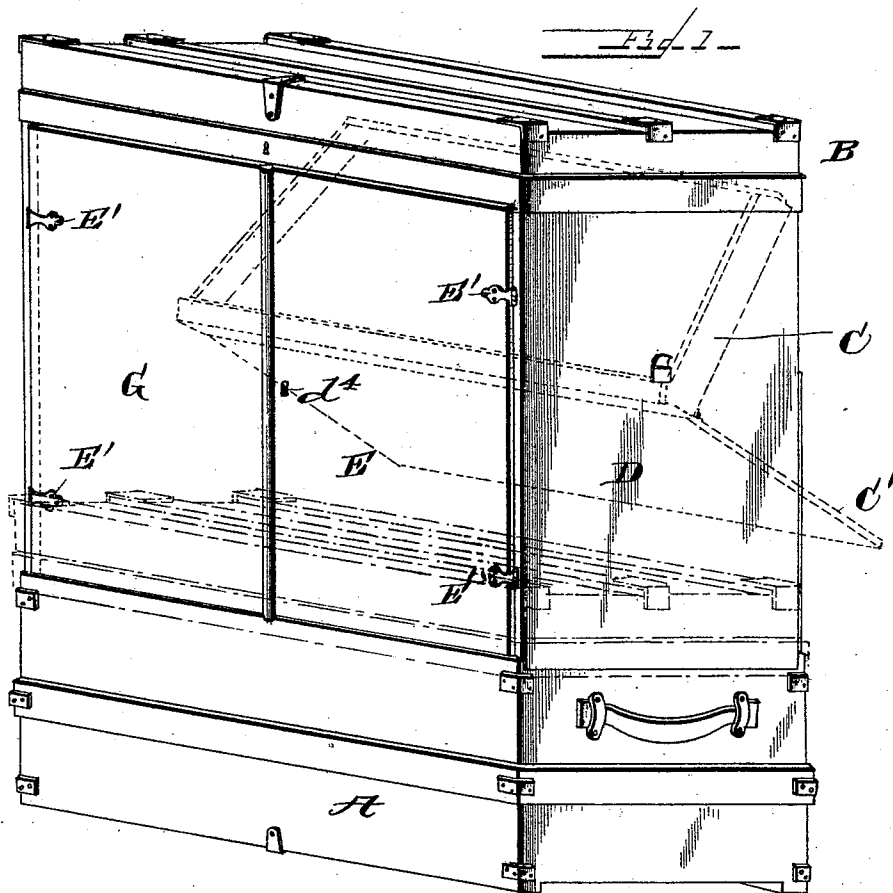
(No Model.)

2 Sheets—Sheet 1.

C. HEUMADER.
COMBINED TRUNK, WARDROBE, &c.

No. 500,391.

Patented June 27, 1893.



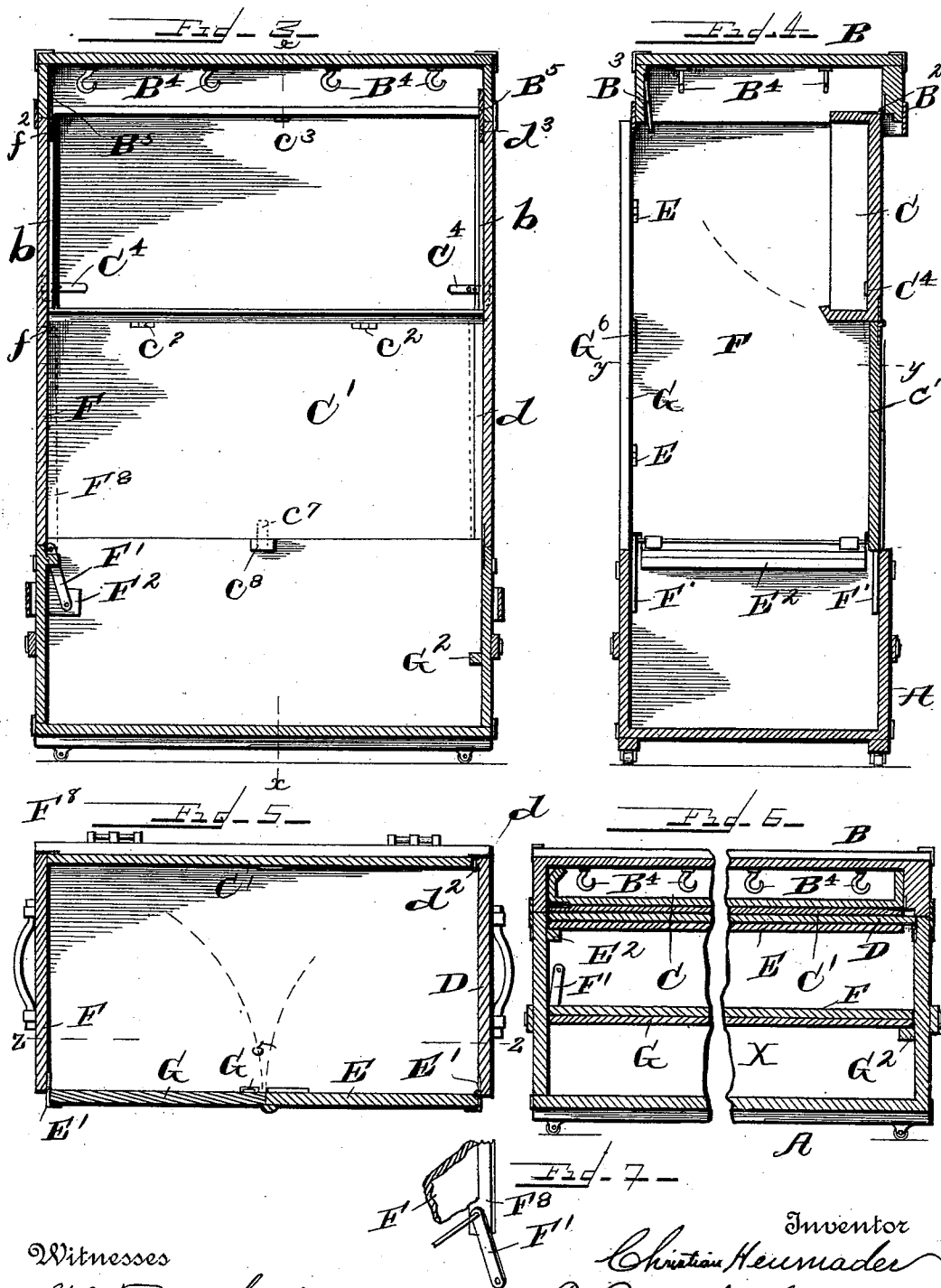
Witnesses
J. A. Taubenschmitt,
J. H. English

Inventor
Christian Heumader
By Edwin S. Clarkson
his Attorney

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UNITED STATES PATENT OFFICE.

CHRISTIAN HEUMADER, OF ST. JOSEPH, MISSOURI.

COMBINED TRUNK, WARDROBE, &c.

SPECIFICATION forming part of Letters Patent No. 500,391, dated June 27, 1893.

Application filed March 5, 1892. Serial No. 423,870. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN HEUMADER, a citizen of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented certain new and useful Improvements in a Combined Trunk, Wardrobe, &c.; 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 a trunk which may be readily converted into a wardrobe, bed or desk.

The objects of my invention are first, to construct a receptacle that is substantial and that may be easily and quickly arranged in proper shape to serve either as a trunk, a bed, a wardrobe or as a desk; second, to so construct the different parts that the receptacle shall be neat, in appearance, when in use for either of the above mentioned purposes; third, to so construct said receptacle that a minimum amount of space shall be occupied by the folding parts; thereby providing a roomy receptacle; fourth, to so attach the different parts of the receptacle to each other that said parts cannot be transposed or wrongly placed; fifth, that no mechanical skill is required to convert this receptacle into any of the above mentioned parts.

In the drawings Figure 1 is a perspective view showing wardrobe in full lines, folded back as a desk in dotted lines and showing it folded as a trunk in broken and dotted lines. Fig. 2 is a side elevation showing the trunk transformed into a cot. Fig. 3 is a longitudinal vertical section. Fig. 4 is a cross section on the line X—X Fig. 3. Fig. 5 is a sectional view on the line Y—Y Fig. 4. Fig. 6 is a section on the line z—z Fig. 5 showing the parts folded as a trunk. Fig. 7 is a detailed view of the U shaped hinge.

A represents the body of the receptacle or trunk of rectangular shape to which is hinged the cover or lid B. by means of the hook hinges B¹.

To the cover or lid, B by means of hinges B² is secured the tray C which is held or secured in a closed position by means of the snap spring B³.

b are strips of suitable material secured to

the short sides of tray C for the purpose herein-after set forth and C⁴ are pivoted bolts the ends of which pass through a slot in the sides of the tray near which they are secured respectively.

C' is a leaf which is hinged to the tray C by means of hinges c² and it is adapted to lie snugly against the bottom of the tray and is removably held in this position by means of a snap spring c³. The short sides of the cover or lid B are provided with snap springs B⁵ to be hereinafter referred to, while a series of hooks B⁴ are secured in the top of the cover B.

Secured to the free end of the leaf C' is a pin or bolt c⁷, shown in dotted lines Fig. 3, which, when desired, engages the socket c³ in the top of the trunk proper, to hold the lower end of said leaf in rigid connection with the trunk when the parts are arranged to form a wardrobe.

The following description refers solely to the body of the trunk proper: To the longer sides of the trunk, at one end are secured plates F² which have a suitable opening in or about the middle. In said openings in the plates F² the ends of a substantially U shaped rod F are pivoted said rod being loosely connected to a leaf F thus forming a pivotal hinge joint between the rod and leaf. To the leaf F is secured another leaf G by means of the hinges E said leaf G being provided with a sliding bolt G⁵ and a lock keeper G⁶ to be hereinafter referred to. On one edge of the leaf F is secured a strip of metal F⁸ of greater width than the thickness of the leaf F the upper end of which is notched as at f. The upper portion of this strip of metal is free and is also provided with a pin which extends through a ledge on the under side of leaf F and engages with the lock keeper G⁶ thereby holding the leaf G snugly against the under side of the leaf F. These leaves F and G when desired are swung into the trunk body and their free ends rest on the cleat, G² while the opposite ends are supported by means of the U shaped rod F'. Thus when in this position they form a separate compartment X.

f² is a pin or suitable projection secured to the leaf F to be hereinafter referred to.

D is a leaf hinged to the trunk body by means of suitable hinges and provided with

a rib d to which is secured a strip of metal which extends a short distance above said rib, the upper end of said strip of metal being free and provided with a pin d^2 which extends through the rib d .

d^3 is a pin or projection on leaf D to be hereinafter referred to.

E is a leaf hinged to leaf D by means of the hinges E' said leaf E being provided with a lock d^4 to be hereinafter referred to. This leaf E folds snugly to the under side of leaf D and is held in that position by means of the pin d^2 . The leaf D is a little shorter than the leaf E. These leaves D and E when folded together rest on cleat E^2 and in this position form the top or cover of the middle compartment of the trunk the leaf D being flush with the top of the trunk. Thus it will be seen that the trunk has three separate compartments.

To convert the trunk into a wardrobe the cover is turned back, the hook hinges separated and the cover removed carrying with it the tray C and leaf C'. The leaves D and E are swung to an upright position and the snap spring pin holding them together is pulled out thus releasing E which is turned at right angles to leaf D. The leaves F and G are then swung up to a vertical position turning on the U shaped rod or hinge F' and the leaf G is turned at right angles to the leaf F. The cover B is now placed upon the leaves D and F while the leaves E and G bear against the outside of the cover. After the cover has been placed in this position the spring snaps c^3 being unfastened leaf C' swings down then snap B^3 is unfastened automatically by pressure from the hinged edge of leaf C' liberating the tray C which swings downward until leaf C' and tray C rest in the position shown in Figs. 3 and 4. The lower corners of leaf C' enter suitably arranged grooves which together with the fastening C^4 and the pin or bolt c^7 which enters the socket c^8 in the trunk body hold the tray C and leaf C', which form the back of the wardrobe, rigidly in place. The lower part of the tray as seen in Figs. 3 and 4 forms a very convenient receptacle for small articles. From hook B^4 articles of apparel may be suspended. Thus it will be seen that the tray and leaf hinged thereto form the back of the wardrobe while the leaves D and E, F and G form the sides and door of the wardrobe. Said doors may be securely locked. The snap springs B^5 engage the projections or pins f^3 or d^3 thereby securely holding the top B to the leaves F and D while the pivotal bolts C^4 rigidly connect the tray and leaf C' to the sides of the wardrobe. By securing tray C and leaving C' in the position indicated in dotted lines in Fig. 1 the leaf C' may be used as a desk.

If the device is used simply as a trunk and the owner desires a writing desk all that is necessary is to turn the cover of the trunk back and release the leaf C' and swing the leaf back thus presenting quite a large sur-

face on which to write. Or if one prefers they may entirely disconnect the cover B from the trunk and place it upon a chair or other suitable support, then swing the leaf C' back, either way being practicable. A bed or cot is formed by swinging leaves F and G over and resting them on the lid B as shown the leaves D and E being flush with the top of the trunk body.

It is obvious that many slight changes and alterations may be made in the parts and combination of parts herein before described and hence I would have it understood that I do not strictly confine myself to the specific construction shown.

What I claim, and desire to secure by Letters Patent, is—

1. The combination with a trunk body of leaves hinged together and to the ends thereof, means to support the free ends of said leaves in the trunk, means to connect the leaf to the cover, of the cover, a tray and leaf hinged together and to the cover, and means to connect said leaf to the trunk body substantially as described.

2. In a combined trunk and wardrobe, the combination with the trunk body, the swing pivot hinge secured to one end of the same, leaves hinged together in series one series of which is secured to said hinge while the other series is hinged to the opposite side of the trunk, means to support the free ends of said leaves when folded in the trunk, and means to connect said leaves to the cover, of a cover provided with a tray hinged thereto, a leaf hinged to said tray, means to connect said leaf to the trunk body, substantially as described.

3. In a combined trunk and wardrobe, the combination with the trunk body of a series of leaves arranged in pairs and hinged together and to opposite ends of said trunk, means to support the free ends of said leaves, and means to connect said leaf to the trunk body, of the cover, the tray and leaf hinged together and to said cover, and means to connect said leaf to the trunk body substantially as described.

4. The combination with a trunk provided with leaves hinged together and to the trunk and adapted to fold therein means to support the free ends of said leaves, of the cover provided with a tray and leaf hinged together and to the cover, the pivotal bolts and catches C^4 and B^5 secured to the tray and cover and a suitable catch to hold the leaf to the bottom of the tray, substantially as described.

5. The combination with a trunk body provided with a U-shaped hinge, a series of leaves connected to said hinge, another series of leaves hinged to the opposite side of said trunk, the combined catch and hinge connected to said series of leaves, means to support the free ends of said leaves when folded in the trunk, of the cover provided with hook hinges, a tray and leaf hinged together and to said cover, the pivotal bolt c^4 and catches

B⁵, B³ c³ and c³ connected respectively to the cover, tray and leaf, substantially as described.

6. In a combined trunk and wardrobe, the
5 combination with the trunk body of two pairs of leaves hinged to the trunk and adapted to fold and form compartments therein and when unfolded to form the side and front of a wardrobe, of the cover connected to the trunk body
10 by hook hinges and provided with a tray and

leaf hinged together and to said cover, and adapted when unfolded, to form the top and back of a wardrobe, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHRIST. HEUMADER.

Witnesses:

H. M. AUERSWALD,
VIRGIL WISE.