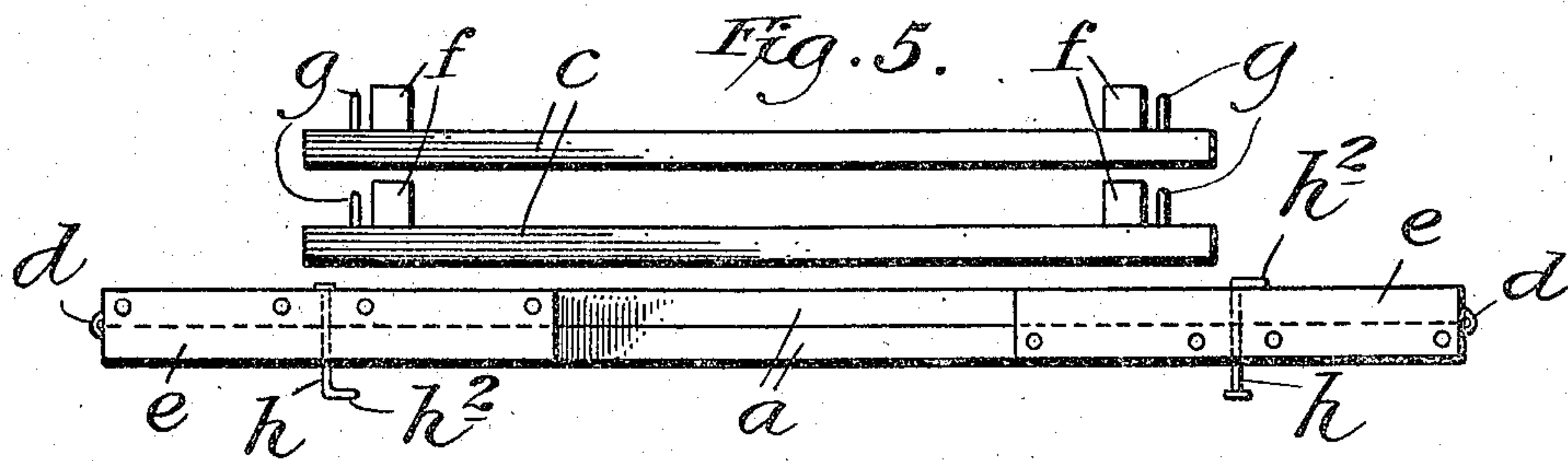
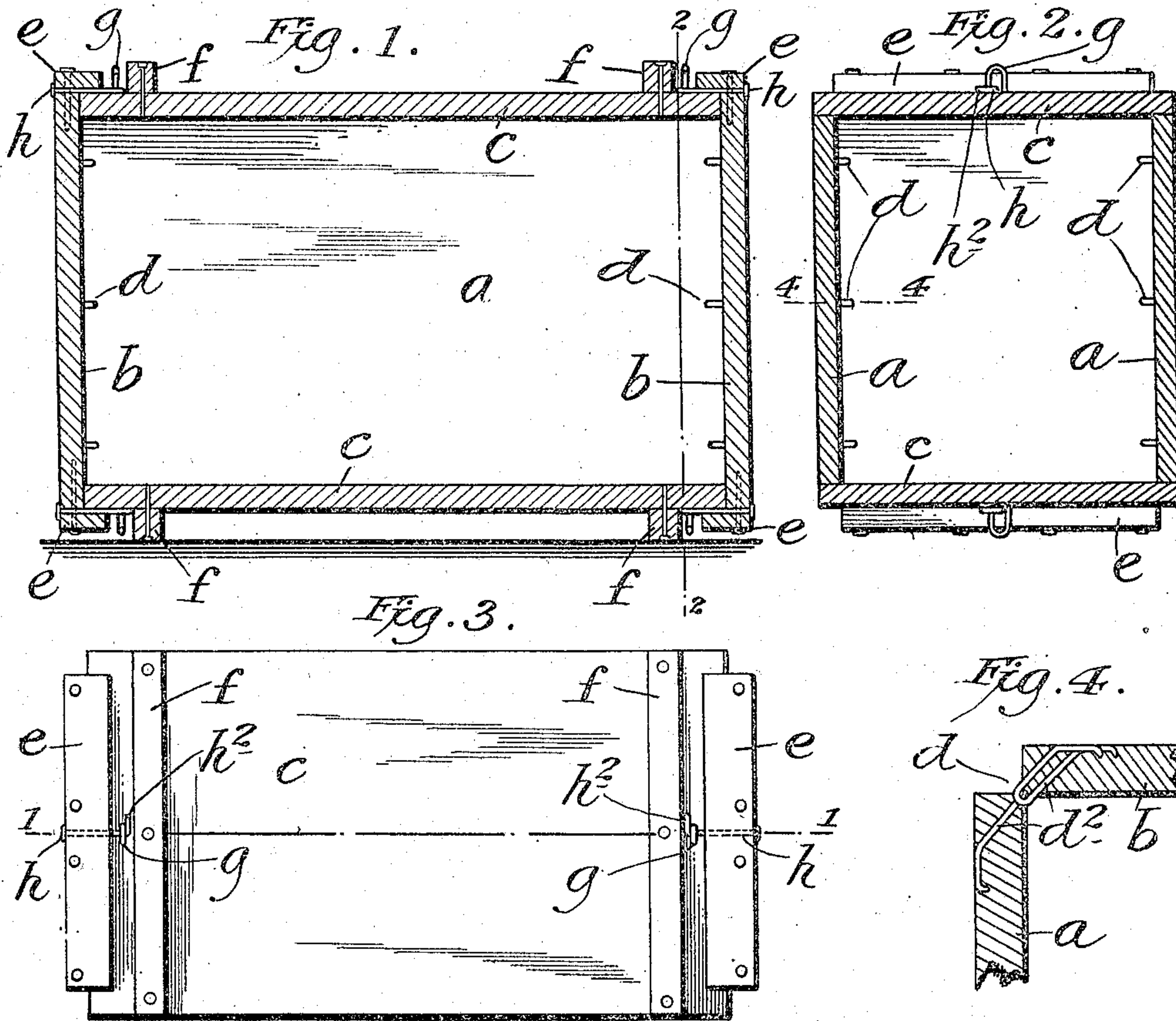


A. M. WIGHT.
KNOCKDOWN BOX.

APPLICATION FILED JUNE 30, 1908.

923,920.

Patented June 8, 1909.



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UNITED STATES PATENT OFFICE.

ARTHUR M. WIGHT, OF NEW YORK, N. Y., ASSIGNOR TO THE GENERAL PACKAGE COMPANY,
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KNOCKDOWN BOX.

No. 923,920.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed June 30, 1908. Serial No. 441,188.

To all whom it may concern:

Be it known that I, ARTHUR M. WIGHT, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Knockdown Boxes, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to what are known as collapsible or knockdown boxes for use in the shipment or package and shipment of various kinds and classes of articles, and the object thereof is to provide an improved box of this class which is simple in construction and comparatively inexpensive, and the separate parts of which may be compactly folded and placed together for "return" shipment.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a central longitudinal vertical section of my improved box on the line 1—1 of Fig. 3, Fig. 2 a vertical transverse section on the line 2—2 of Fig. 1, Fig. 3 a plan view, Fig. 4 a partial section on the line 4—4 of Fig. 2, and;—Fig. 5 a side view showing the method of folding and placing the separate parts of the box together.

My improved knockdown box comprises two similar side members *a*, two similar end members *b* and similar top and bottom members *c*.

The box is oblong and rectangular in form, and the length of the end members *b* determines the space between the side members *a*, the inner corners of the end members *b* being hinged to the inner corners of the side members *a* as clearly shown at *d* in Fig. 4.

The hinges at *d* are composed of wire loops *d*², in the form of construction shown, and the top and bottom edges of the end members *b* are provided with transverse strips *e* which are secured thereto, and the top and bottom *c* of the box are provided with transverse strips *f* which are secured thereto at a predetermined distance from the ends thereof.

The vertical dimensions of the end por-

tions *b* are greater than the vertical dimensions of the side portions *a*, and the transverse dimensions of the top and bottom parts *c* are the same as the transverse dimensions of the body of the box including the sides *a* when the box is set up for use, and in practice the top and bottom parts *c* are slipped into position over the sides *a* and under the transverse strips *e* which are secured to the ends *b* as clearly shown in Figs. 1, 2 and 3. The top and bottom parts *c* are also provided between the transverse strips *f* which are secured thereto and the transverse strips *e* which are secured to the ends *b* with staples or loops *g*, and passed inwardly through the ends *b* or between said ends and the transverse strips *e* are headed pins or bolts *h* provided at their inner ends with angular fingers or catches *h*², and when the top and bottom *c* have been inserted into position as shown in Figs. 1, 2 and 3, the pins or bolts *h* are moved inwardly so that the inner end portions thereof pass through the loops or staples *g*, and said pins or bolts are turned so that the fingers or catches *h*² are in a horizontal position, and this securely locks the separate parts of the box in position for use as clearly shown in Figs. 1 to 3 inclusive.

In order to knockdown the box for "return" shipment, or other purposes the pins or bolts *h* are turned and moved outwardly so that the inner ends thereof will disengage the loops or staples *g*, and the top and bottom parts *c* may be slipped out and the side and end portions folded together as shown in Fig. 5, and the top and bottom parts may be placed thereon as is also indicated in said figure.

The transverse strips *f* that are secured to the top and bottom members of the box serve to strengthen said top and bottom members, and also to protect the loops or staples *g* in the shipment of the box, and it will be understood, of course, that my improved knockdown or collapsible box may be made of any desired dimensions and of any preferred material, and changes in and modifications of the construction herein described may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what

I claim as new and desire to secure by Letters Patent, is;—

1. A knockdown box composed of similar side members, similar end members and similar top and bottom members, the horizontal dimensions of the end members being equal to the distance between the side members when the parts of the box are set up for use, the inner corners of the end members being also hinged to the inner corners of the side members, and the vertical dimensions of the end members being greater than the vertical dimensions of the side members, transverse strips secured to the top and bottom of the end members and adapted to overlap the top and bottom members of the box, said top and bottom members of the box being adapted to be slipped into position, and means for securing the end members to the top and bottom members.

2. A knockdown box comprising similar side members, similar end members and similar top and bottom members, the horizontal dimensions of the end members being equal to the space between the side members when the separate parts of the box are set up for use, the vertical dimensions of the end mem-

bers being also greater than the vertical dimensions of the side members, and the inner corners of the end members being hinged to the inner corners of the side members, the top and bottom members being separate from the side and end members, and the end members being provided at the top and bottom thereof with transverse strips adapted to overlap the top and bottom members when the latter are in position, said top and bottom members being also provided adjacent to the ends thereof with transverse strips which are secured thereto, and outwardly of said strips with loops or staples, and pins or bolts passed inwardly through the top and bottom of the end members and adapted to engage said loops or staples so as to lock the top and bottom and end members of the box together.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 29th day of June 1908.

ARTHUR M. WIGHT.

Witnesses:

A. R. APPLEMAN,
C. E. MULREANY.