

E. A. SMALL.
 COMBINED CARRIER AND DISPLAY RACK FOR WALL PAPER SAMPLES.
 APPLICATION FILED MAR. 16, 1911.

1,035,648.

Patented Aug. 13, 1912.

2 SHEETS-SHEET 1.

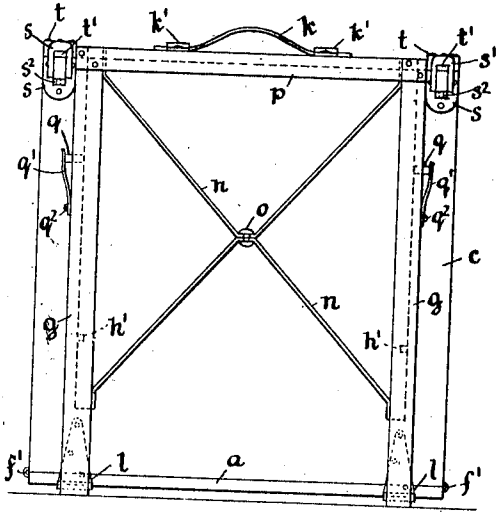


Fig. 1

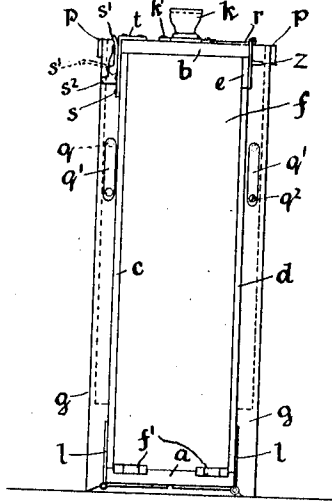


Fig. 2

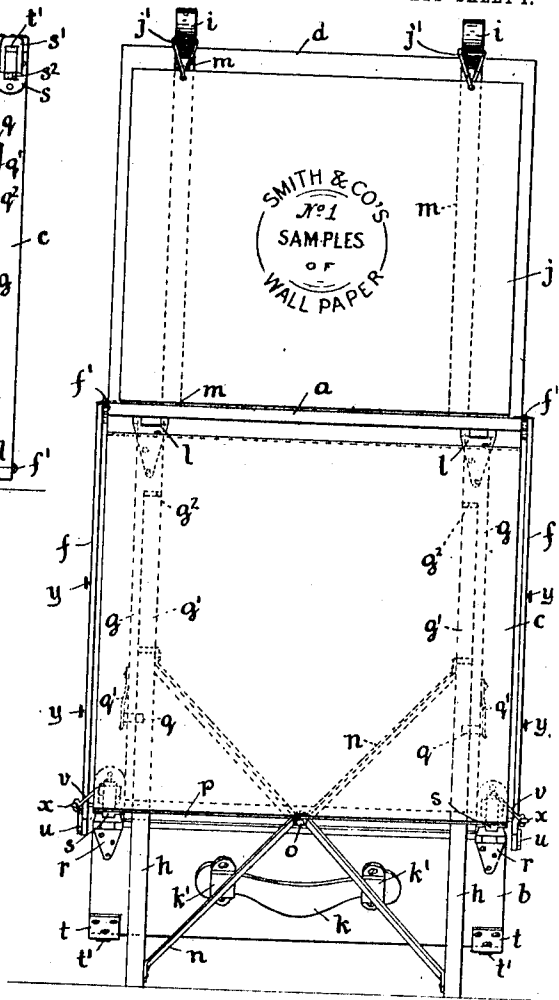


Fig. 3

Edward Adam Small, Inventor

Witnesses

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 COMBINED CARRIER AND DISPLAY BACK FOR WALL PAPER SAMPLES.
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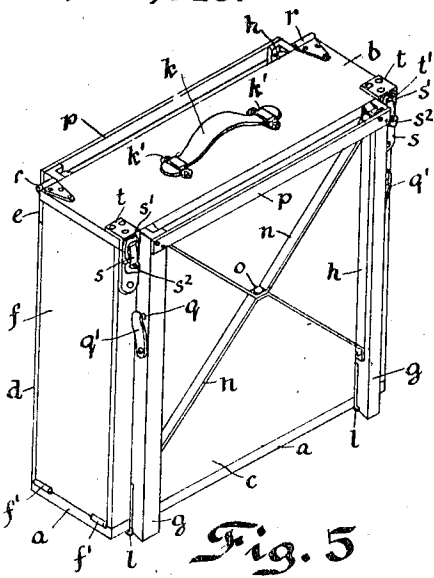


Fig. 5

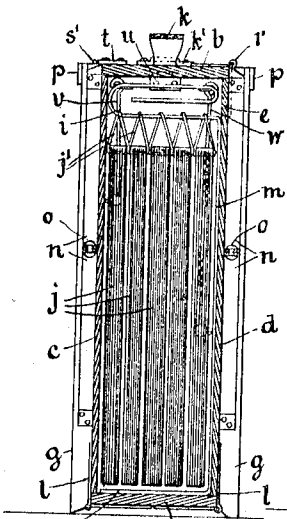


Fig. 6

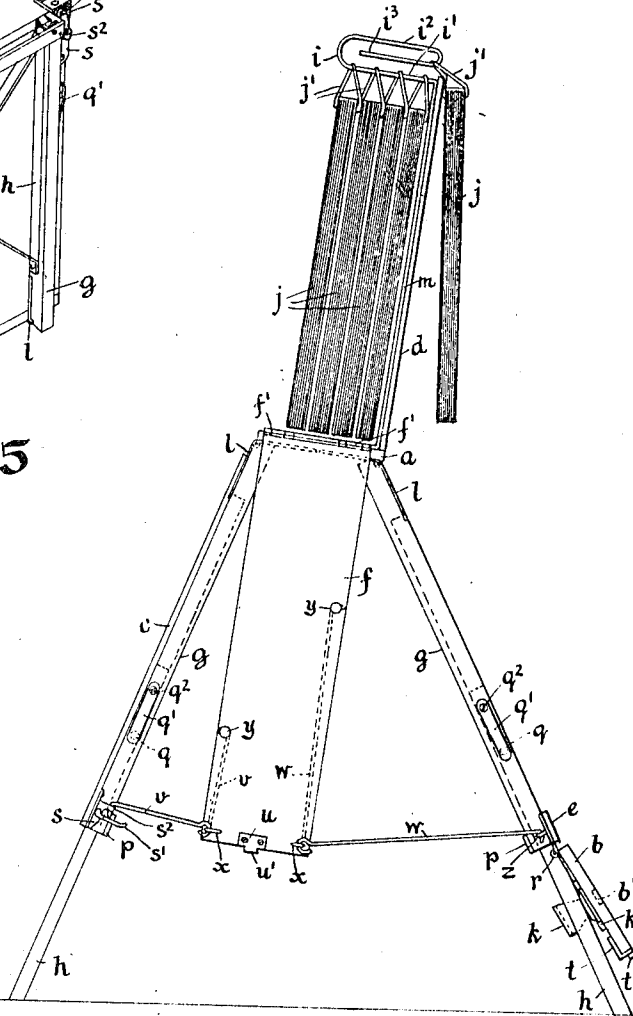


Fig. 4

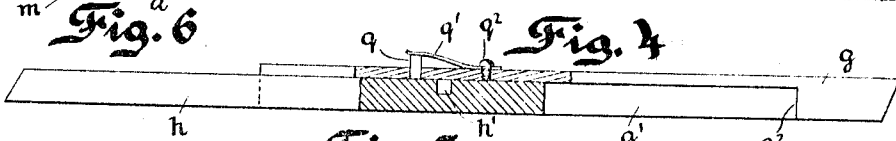


Fig. 7

Edward Adam Small, Inventor

Witnesses

Edward Kozick
 Florence Mallon

By *Henry D. Moore*
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UNITED STATES PATENT OFFICE.

EDWARD ADAM SMALL, OF FRANKSVILLE, WISCONSIN.

COMBINED CARRIER AND DISPLAY-RACK FOR WALL-PAPER SAMPLES.

1,035,648.

Specification of Letters Patent.

Patented Aug. 13, 1912.

Application filed March 15, 1911. Serial No. 614,639.

To all whom it may concern:

Be it known that I, EDWARD ADAM SMALL, of Franksville, Wisconsin, have invented a Combined Carrier and Display-Rack for Wall-Paper Samples, of which the following is a specification.

This invention relates to carrying-cases, and more particularly to cases designed to hold samples for the use of paper-hangers in dealing with customers who live at a distance from the store.

At the present time exhibition samples of wall-paper are made up in books bound together at one edge, and are carried by the soliciting paper-hanger with him on his trips to customers' houses in an ordinary case or satchel. This, however, provides for no means of suitably displaying the samples, and they can only be laid upon the table or, hung up individually on a nail, which is a clumsy and unattractive method of display.

The object of my invention is therefore to provide a folding display-rack and carrier adapted to hold the customary number of sample-books, and when folded to act as a satchel inclosing said books, but when display of the samples is required; to be set up in the manner of an easel or display-rack.

In the construction of my invention, I provide a rectangular box of six sides, all of which, except the back, are hingedly connected with the bottom, said back being rigidly fixed to said bottom. I also provide legs which are preferably extensible and are hinged in pairs to the opposite sides of the bottom, together with means for bracing the opposite pairs of legs to prevent them spreading, and make the stand rigid when in use. I also provide special means for detachably hanging the sample-books, enabling them to be turned over one at a time after being used in an approximately vertical plane; and enabling any individual book to be removed from the rack as desired.

My invention consists in the aforesaid features and in the further constructions and combinations which will be hereinafter described and pointed out in my claims.

For the better understanding of my invention, I have illustrated the most approved form thereof in the accompanying drawings, wherein—

Figure 1 is a side-view of the device

folded up in the form of a carrying-case; Fig. 2 is an end-view of the same; Fig. 3 is a front view of the device when unfolded and set up for use as a display-rack; Fig. 4 is a side-view of the same; Fig. 5 is a perspective-view of the device in the carrier position; Fig. 6 is a vertical transverse-section therethrough; and Fig. 7 is a side-view partly in section and on a larger scale of one of the legs separately.

The reference letters refer each to the same part in each figure of the drawings.

The device comprises the bottom-plate *a*, top-plate *b*, front side-plate *c*, rear side-plate *d* and a narrow detached strip at the top thereof, *e*, and the two end-plates *f*; together with the two pairs of supporting-legs *g* and their extensions *h*, the hangers *i* for supporting the sample-books *j*, and the carrying-strap *k* and other attachments which will be described in the sequel. To the bottom or base-plate *a* are hinged the end-plates *f* by hinges *f'*, and the two pairs of legs *g* by means of hinges *l*. To the front pair of legs *g* is attached by nails, screws, glue or other means, the front-plate *c* of the case so that it swings down with the latter in opening. The rear-plate *d* is rigidly fixed to the base-plate *a* with the exception of the upper strip *e* thereof, which is secured to the rear pair of legs *g*, in like manner to the plate *c*, at the free edge thereof. To secure rigidity and strength between the base-plate *a* and back-plate *d*, I use a pair of metal straps *m* secured to the inner faces of both, and the upper ends of which terminate in the coiled hangers *n*. Said hangers, as clearly shown in Fig. 4, consist simply of the ends of the straps *m* coiled in three laps, the outer and lower-lap *n'* supporting directly the cords *j'* of the sample-books *j*, the upper lap *n''* being parallel to said lower-lap, and the middle lap *n'''* being parallel to and between the other two laps. It will be seen from Fig. 4 that when the apparatus is set up as a display-rack, the sample-books can be thrown one after the other over the back of the rack by means of their cords *j'* engaging in the loop between laps *n''* and *n'''*, and that said cords can be readily detached by slipping them over the end of the laps *n'*.

As previously indicated, the legs *g* are made preferably with extensions, so as to bring the display at a desirable height, and for this purpose, the main portions of the

legs *c* interiorly grooved as shown at *g'*, giving them gnomon or L-shaped cross-sections to receive the rectangular extensions *h*. The extensions *h* are likewise joined together in pairs by diagonal brace-straps *n*, united midway between them by a rivet *o*, thus giving the legs rigidity and preventing side-swing. An additional cross-bar *p* may be provided as a brace to secure together the ends of the main portions *g*.

The extensions *h*, when not in use, slide into and are contained within the main portions *g* as shown in Figs. 1, 2, 5 and 6, and they need no means to hold them in this position as they rest upon the butt-ends *g²* of the grooves *g'*, wherein they lie. In order to hold them in their extended positions, I provide spring-pins *q*, one for each leg, mounted on the end of plate-springs *q'*, secured to the portions *g* by screws *q²*; and in each extension *h* is formed a notch or hole *h'* into which the pin *q* falls when the leg is fully extended. This prevents further extension of the leg as well as the collapsing thereof, but if the extensions are to be removed it is simply necessary to raise the pins *q*.

The top-piece *b* is connected by hinges *r* to the strip *e*, as shown, and when closed the free edge thereof is connected to the free edge of the front-plate *c* by a pair of clips *s*, said clips having U-shaped hasps *s'* which engage the tongues *t'* of coating-members *t* on the edge of the top-plate. Other kinds of fastenings may also be used, and I show these fastenings, which are similar to those used on trunks and satchels, merely by way of illustration. The end-plates *f* are held in place when the box is closed by a pair of members *u* which have tongues *u'* entering in recesses *b'* in the lower face of the plate *b*.

The butt-ends of the legs *g* are chamfered so that when open to the proper angle they will abut upon the lower face of the plate *a*, or rather upon the fixed leaves of the hinges *l*, and thus assist in holding the upper portion at the proper angle with respect thereto. To prevent the legs from spreading, I use a pair of hooked bars *v* and *w* movably linked into a pair of eyes *x* on the inner face of each of the end-plates *f*, the front pair of bars *v* each engaging in a perforated lug *s²* on the respective clip *s*, and the rear bars *w* engaging in eyes *z* screwed into the strip *e*. When the box is folded up, these bars *v* and *w* are engaged with pins *y* on the inner face of the plates *f*, which keeps them from swinging.

The handle *k* is shown as an ordinary strap whose ends are caught by sliding-clips *k'*, but any other form of handle may be used as desired.

From the above description it will be readily seen my invention is not limited to

special forms and mechanical constructions such as I have hereinabove shown by way of illustration, but that the principles thereof are expressible in a variety of ways as will be well understood by those skilled in the art; therefore the scope of my claims is to be interpreted in view of such alternative constructions.

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

1. In a display rack, the combination with a base-plate, top-plate, front and back plates and end plates hingedly connected together, means for fixedly connecting said plates together in the form of a box, two pairs of supporting legs, the front pair of legs having the front-plate attached thereto, the rear pair of legs being movably connected with the base-plate, and means for holding said legs against spreading when turned down into supporting position, the upper ends of said legs abutting the lower face of the base-plate.

2. In a display rack, the combination of a base-plate, top-plate, front and back plates and end plates hingedly connected together, means for fixedly connecting said plates together in the form of a box, two pairs of supporting legs pivotally connected to said base-plate, one pair being attached to the front plate, and links connecting said legs with said end plates whereby the legs are retained in supporting position and held against spreading.

3. A combined carrier and display rack comprising a base-plate, a back plate, two pairs of legs hingedly connected to said base-plate, a front plate mounted on the front pair of legs and adapted to fold into a position parallel with and opposite to said back-plate, a top-plate hingedly connected to the rear pair of legs and adapted to fold over the top to connect said back-plate with the front-plate, and means for securing the free edges of the top and front-plates together.

4. A combined carrier and display rack in the form of a box comprising a base-plate, a back-plate, end plates, two pairs of legs hingedly connected to said base-plate, a front-plate mounted on the front pair of legs and adapted to fold into a position parallel with and opposite to said back-plate, a top-plate hingedly connected to the rear pair of legs and adapted to fold over the top to connect said back-plate with the front-plate, means for securing the free edges of the top and front plates together, and interengaging means securing said end plates to the top-plate when the box is closed.

5. A combined carrier and display rack in the form of a box comprising a base-plate, a back-plate, end plates, two pairs of

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leg, hingedly connected to said base-plate, a front-plate mounted on the front pair of legs and adapted to fold in a position parallel with and opposite to said back-plate, a top-plate hingedly connected to the rear pair of legs and adapted to fold over the top to connect said back-plate with the front-plate, means for securing the free edges of the top and front-plates together, and means on the end plates engageable in recesses in the lower face of the top-plate for holding the end-plates in place when the box is closed.

6. A combined carrier and display rack in the form of a box comprising a base-plate, a back-plate, two pairs of legs hingedly connected to said base-plate, a front-plate mounted on the front pair of legs and adapted to fold into a position parallel with and opposite to said back-plate, a top-plate hingedly connected to the rear pair of legs and adapted to fold over the top to connect said back-plate with the front-plate, means for securing the free edges of the top and front-plates together, hinged means forming end closures for the ends of the box, and means on the said end closures engageable with the ends of said legs.

7. The combination with the base-plate and the back-plate rigidly secured thereto, of side-plates hingedly connected to the end edges of said base-plate, a front-plate and a top-plate hingedly connected with the other plates to form with them a box, two pairs of legs, to one pair of which said top-plate is hingedly connected, and means for securing the free edge of the top-plate to the free edge of the front-plate.

8. The combination with the base-plate, and the back-plate rigidly secured thereto, of end-plates hingedly connected to the end edges of said base-plate, a front-plate, hingedly connected to form a box, a top plate, two pairs of legs to one pair of which said top-plate is hingedly connected, and means for securing the free edge of the top-plate to the free edge of the front-plate, said front-plate being attached to one pair of said legs.

9. In a device of the class described, a base-plate, a rear-plate rigidly fixed thereto, metallic straps secured to the inner faces of both the base-plate and back-plate, said straps terminating at their upper ends in hangers.

10. In a device of the class described, a base-plate, a rear-plate rigidly fixed thereto, metallic straps secured to the inner faces of both the base-plate and back-plate, said straps terminating at their upper ends in hangers, and legs hinged to opposite edges of said base-plate.

11. In a device of the class described, a base-plate, a rear-plate rigidly fixed thereto, metallic straps secured to the inner faces of

both the base-plate and the back-plate, said straps terminating at their upper ends in hangers, legs hinged to opposite sides of said base-plate, and end-plates hinged to the said base-plate.

12. A combined carrier and display rack for merchandise of the class described, comprising in combination the base-plate, the back-plate secured at right angles thereto, end-plates hinged to said base plate, a front-plate hinged to said base plate, legs in pairs hingedly connected with said base-plate and carrying said front and back plates, and a top-plate hingedly connected to one pair of legs.

13. A combined carrier and display rack in the form of a box comprising in combination the base-plate, the back-plate secured at right angles thereto, two pairs of legs hingedly connected to said base-plate, a front-plate mounted on the front pair of legs and adapted to fold up into a position parallel and opposite to the back-plate, a top-plate hingedly connected to the rear pair of legs and adapted to fold over the top of the back-plate parallel with the base-plate to inclose the box on the top, means for securing the free edge of said top-plate, to the free edge of said front-plate, a pair of end-plates hingedly connected to the end edges of the base-plate and adapted to close the ends of the box, and means for securing the end-plates to the top-plate when the parts are in closed position.

14. A combined carrier and display rack in the form of a box comprising in combination the base-plate, the back-plate secured at right angles thereto, two pairs of legs hingedly connected to said base-plate, a front-plate mounted on the front pair of legs and adapted to fold up into a position parallel and opposite to the back-plate, a top-plate hingedly connected to the rear pair of legs and adapted to fold over the top of the back-plate parallel with the base-plate to inclose the box on the top, means for securing the free edge of said top-plate to the free edge of said front-plate, a pair of end-plates hingedly connected to the end edges of the base-plate and adapted to close the ends of the box, and cooperating means on the end plates and the top plate for securing the end-plates to the top-plate when the parts are in closed position.

15. The combination with the base-plate and the back-plate rigidly secured thereto, of end-plates hingedly connected to the end edges of said base-plate, a front-plate hingedly connected together to form with the other plates, and a top plate a box, means for supporting said base-plate, a top plate movably mounted on one member of said supporting means and means connected with and bracing the back-plate and base-plate.

16. The combination with the base-plate

65 metallic straps secured to the inner faces of 130

and the back-plate rigidly secured thereto, of end-plates hingedly connected to the end edges of said base-plate, a front-plate hingedly connected together to form with the other plates, and a top plate a box, means for supporting said base-plate, a top plate movably mounted on one member of said supporting means and means connected with and bracing the back-plate and base-plate, the upper ends of said bracing means forming hangers, and the top plate closable over said hangers when the box is closed.

17. In a device of the class described, the combination with the base plate, of a pair of leg-supports hingedly connected respectively to the front and back edges of said base-plate, and means for connecting the free ends of said supports together to prevent them from spreading, each of said supports having at its basal end an oblique abutment-face adapted to abut against the lower side of the base-plate, the two cooperating to give said base plate a backward inclination.

18. In a device of the class described, in combination with the base-plate, the back-plate rigidly united thereto at right angles therewith, two end-plates respectively hinged to the opposite end-edges of said base-plate and adapted to close with said back-plate, a pair of leg-supports hingedly connected respectively to the front and rear edges of said base-plate, a pair of links con-

necting the free ends of the respective end-plates to the front leg-support, and a second pair of links connecting the respective end-plates to the rear leg-support, the lengths of said links being such as to fix said end-plates in a definite angular position with respect to said leg-supports.

19. In a device of the class described, in combination with the base-plate, the back-plate rigidly united thereto at right angles therewith, two end-plates respectively hinged to the opposite end-edges of said base-plate, a pair of leg-supports hingedly connected respectively to the front and rear edges of said base-plate, a pair of links connecting the free ends of the respective end-plates to the front leg-support, and a second pair of links connecting the respective end-plates to the rear leg-support, the lengths of said links being such as to fix said end-plates in a definite angular position with respect to said leg-supports; the basal ends of said leg-supports having abutment faces adapted in the supporting position of said legs to abut against said base-plate and limit the opening movement of the legs with respect thereto.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

EDWARD ADAM SMALL.

Witnesses:

PETER J. THELEN,
MARGERATTA THELEN.