May 20, 1952 E. F. BJORO 2,597,435

DISPLAY AND STORAGE CABINET

Filed Sept. 4, 1946

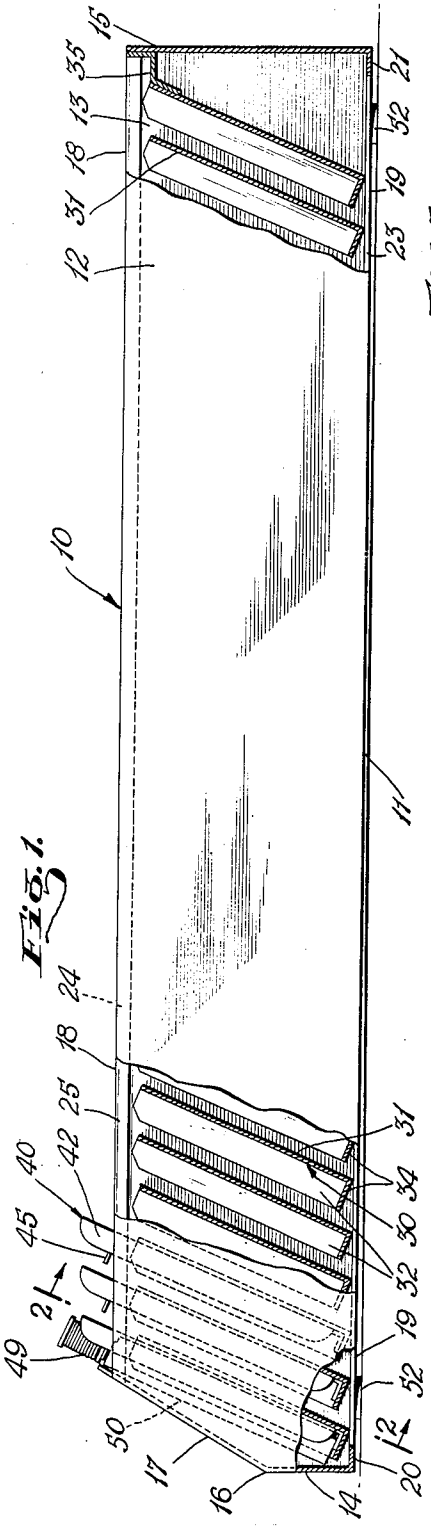


Fig. 1.

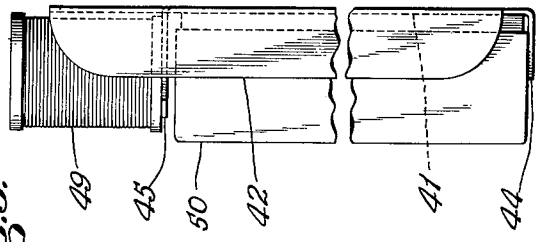


Fig. 3.

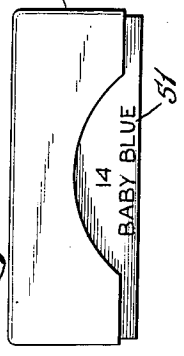


Fig. 5.

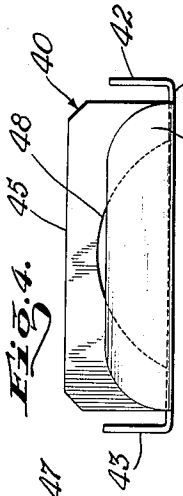


Fig. 4.

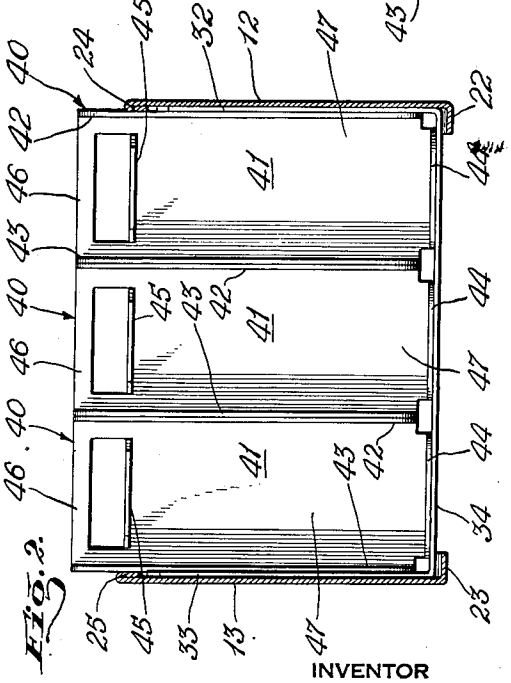


Fig. 2.

INVENTOR
EDVIN F. BJORO

BY
Burgess, Ryan and Hicks
ATTORNEYS

Patented May 20, 1952 2,597,435

UNITED STATES PATENT OFFICE

2,597,435

DISPLAY AND STORAGE CABINET

Edvin F. Bjoro, Huntington, N. Y., assignor to The Spool Cotton Company, Newark, N. J., a corporation of New Jersey

Application September 4, 1946, Serial No. 694,735

2 Claims. (Cl. 312—234)

1

This invention relates to a combined display and storage cabinet particularly adapted for handling small articles or goods such as thread spools and the like but also capable of a more general application. Broadly speaking, the invention comprises a cabinet having a multiplicity of shelves extending through one side thereof, each shelf being closely spaced one adjacent another and adapted to support goods in an easily visible position, and each shelf having a concealed shelf or storage place underneath it for storing said goods in a concealed position.

An object of the invention is to provide a combined display and storage cabinet as described. Another object is to provide such a cabinet in an attractive, compact, and easily maneuverable form. Other objects and advantages will appear hereinafter.

The invention may be better understood by referring to the accompanying drawings in which a preferred embodiment of the invention is illustrated and in which:

Fig. 1 is a side view of the cabinet, partially broken away at several places to reveal the interior construction;

Fig. 2 is a vertical section of the cabinet taken along line 2—2 of Fig. 1;

Fig. 3 is a broken side view, somewhat enlarged, of a movable support of the cabinet, showing merchandise supported thereon;

Fig. 4 is a bottom view of the movable support of Fig. 3; and

Fig. 5 is an end view of packaged merchandise such as that shown in Fig. 3.

As seen in the drawings, the cabinet 10 comprises an elongated container or box 11 of generally rectangular shape. The container is formed with side walls 12 and 13 and front and back walls 14 and 15, respectively. Wall 14 is bent, as at 16, in the direction of the back end of the cabinet, the slanted portion 17 of the wall so formed being suitable for receiving advertising matter and the like. Top side 18 and bottom side 19 of container 11 are open. End walls 14 and 15 carry bottom cross members 20 and 21, respectively. Similarly, the side walls 12 and 13 are provided with bottom longitudinal members 22 and 23, and also with upper reenforcing members 24 and 25, respectively (Fig. 2).

Container 11 has a plurality of inclined supports 30 extending transversely across it from one side to the other, each support being spaced one behind the other within the container from end to end thereof. Each support comprises a back member 31 having a pair of side members

2

32, 33 on each side and a bottom member 34, all extending outwardly of the back member and substantially at right angles thereto. The supports are preferably in a fixed position, being attached to the side walls 12 and 13 of the container through their side members, as by means of adhesive or bolts, or by brazing or welding in the case of a metallic cabinet. The last support in the rear of the cabinet is also supported by a cross member 35 which is attached to the rear wall 15. Each support is substantially concealed from view by the supports adjacent it, and this is particularly true when the cabinet is viewed from the front end in the normal manner. As shown in Fig. 1, side walls 12 and 13 also conceal the supports.

The fixed supports 30 serve to hold the trays or movable supports 40, each fixed support holding in an inclined position at least one tray, and preferably two or three or more in side by side relation. In Fig. 2, three movable supports are shown resting against a fixed support. Each of the movable supports or trays comprises a back 41 having side members 42, 43 and a bottom member 44 extending outwardly and forwardly of the back (Figs. 2–4). The back has a ledge or shelf 45 intermediate the ends of the back which serves to divide the tray into upper and lower parts 46, 47, respectively. Where the tray is made of sheet metal, as is preferred, the shelf may be formed by cutting a section of the back along all but one side thereof and then bending the section outward or forward of the back along the uncut side to form a ledge or shelf. The shelf 45 has a cut-out 48 therein (Fig. 4). The upper part 46 of each tray serves as a display portion to support and display goods, receiving them on shelf 45 preferably in unpackaged form such as thread spool 49. Each shelf may support a number of spools, shelf 45, for example, being just large enough to receive three spools. The lower part 47 forms a depository for storing packaged goods in a concealed position, the goods being received on bottom member or shelf 44 and usually comprising the same articles displayed on the shelf 45. In Fig. 5 is shown a package or box 50 of thread spools, the box having data 51 relating to size and color, etc., on one end thereof. Box 50 is adapted to fit snugly into the depository 47 with the end having the data 51 disposed immediately underneath shelf 45. When all of the thread spools 49 displayed on shelf 45 have been sold or removed, data 51 on box 50 will be visible through the cut-out 48, thus providing inventory information to sales persons. Discs 52 of resil-

ient material are provided at each corner of the cabinet to support the same.

It will be apparent that packaged goods such as box 50 will be stored on shelves 44 in a concealed position, since the side walls 12, 13 of container 11 substantially conceal or are at least coextensive with the depositories or storage portions 47 of trays 40, thus concealing the packages on the shelves 44 (Fig. 1). The display shelves 45 and the thread spools supported thereon also aid in concealing the upper ends of the packages. As shown, shelves 45 are evenly disposed and extend through the open side 18 of the container, protruding above the side walls 12 and 13 at a substantially uniform height.

The invention as described represents a preferred form, and it will be understood that various modifications may be made therein without departing from the scope of the invention.

In the light of the foregoing description, the following is claimed:

1. A combined storage and display cabinet comprising a box having an open top, said box having a plurality of fixed supports extending transversely across thereof, said fixed supports being disposed one behind the other within the box, said fixed supports each supporting at least one movable support, each said movable support comprising a back having a shelf extending outwardly therefrom intermediate the ends of said back and dividing the latter into upper and lower parts, said lower part of the back forming a depository for storing packaged goods in a concealed position, said upper part of the back extending through the open top of the box and forming a display portion for supporting and displaying said goods in unpackaged form.

2. A combined storage and display cabinet comprising a rectangular box having an open top, said box having a plurality of fixed inclined supports extending transversely across the box from side to side thereof, said fixed supports being disposed one behind the other within the box from end to end thereof, said fixed supports each supporting a plurality of movable supports in side by side relation, each said movable support comprising a back having a shelf extending outwardly therefrom intermediate the ends of said back and dividing said movable support into upper and lower parts, said lower part forming a depository for storing packaged goods in a concealed position, said upper part forming a display portion for supporting and displaying said goods in unpackaged form, said shelf having a cut-out therein by which data carried by the packaged goods may be seen after the unpackaged goods have been removed from said display portion.

EDVIN F. BJORO.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
89,278	Blodgett	Apr. 27, 1869
100,995	Foster	Mar. 22, 1870
764,529	Ingall	July 5, 1904
786,176	Adams	Mar. 28, 1905
967,619	Dickey	Aug. 16, 1910
1,002,642	Carter	Sept. 5, 1911
2,385,603	Bloom	Sept. 25, 1945

FOREIGN PATENTS

Number	Country	Date
336,100	France	Feb. 26, 1904