March 15, 1960 C. F. STOBIE 2,928,550

MEANS FOR STORING AND DISPLAYING ROLLS OF WALL-PAPER AND OTHER ROLLED FABRICS

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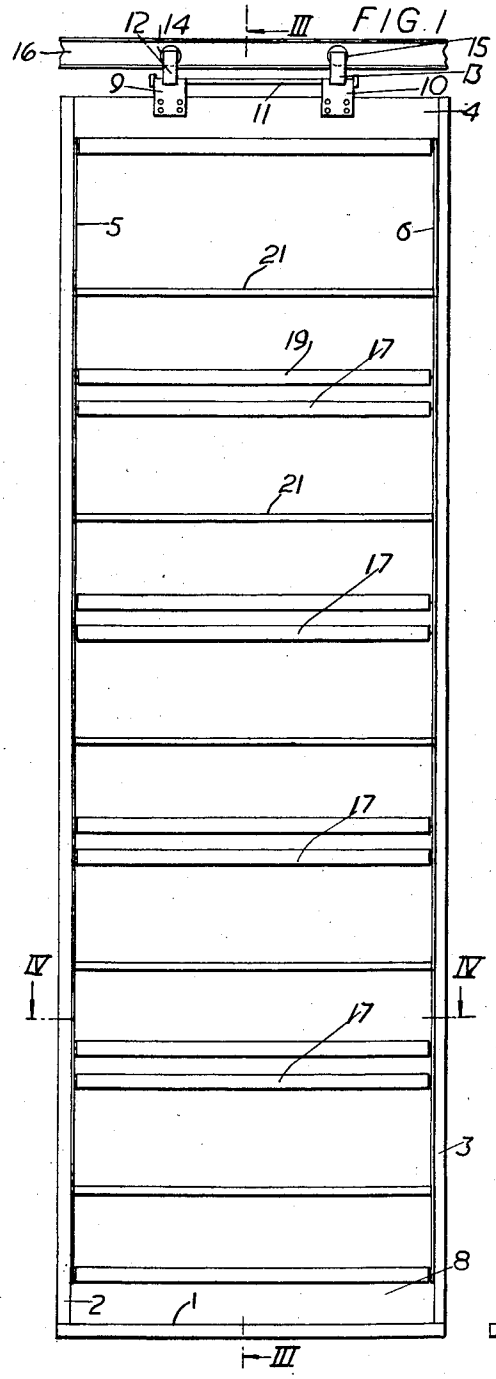


FIG. 1

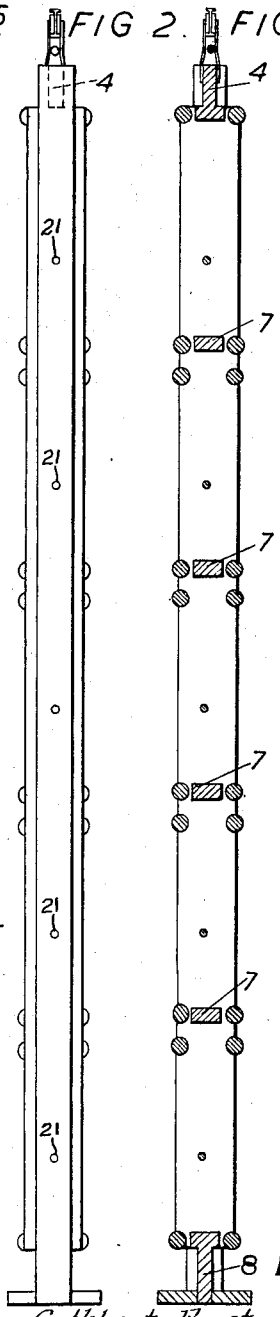


FIG 2.

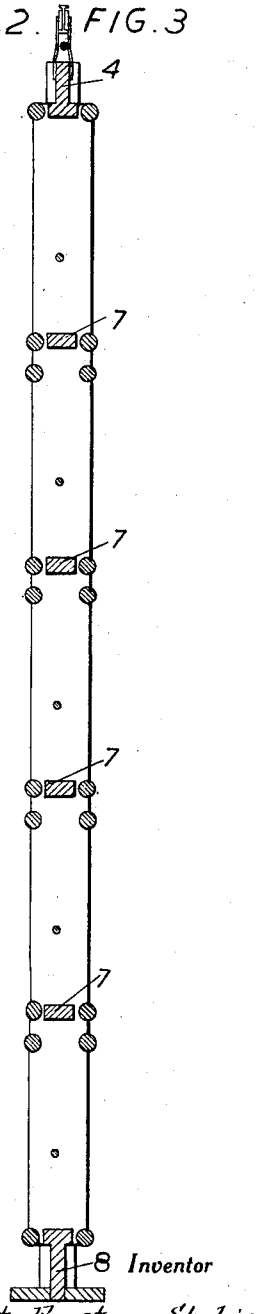


FIG. 3

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FIG. 5.

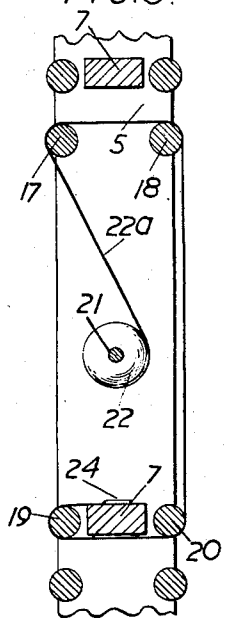
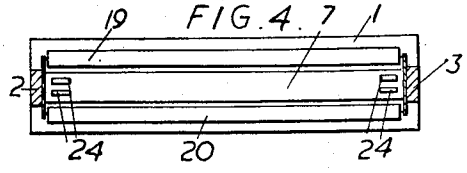


FIG. 4.



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FIG. 6.

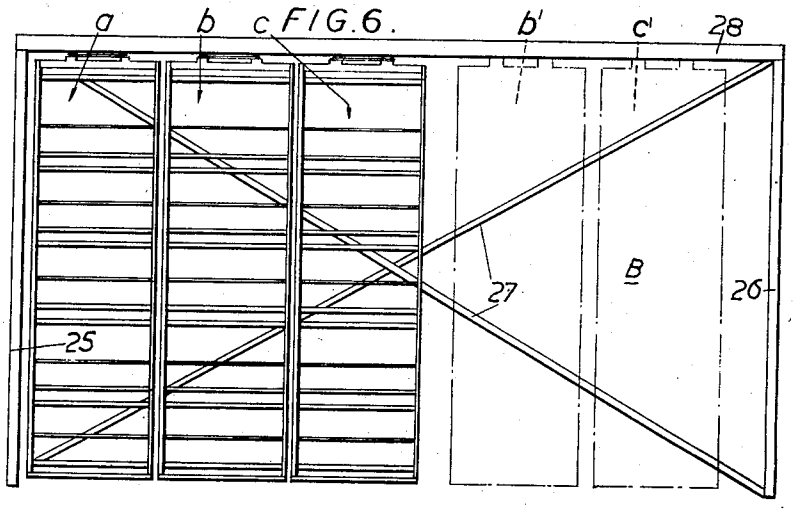


FIG. 7.

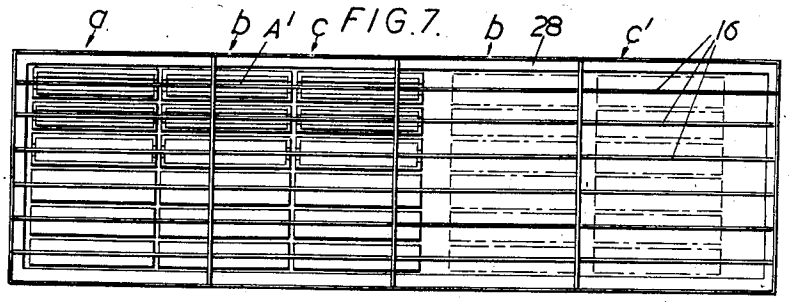
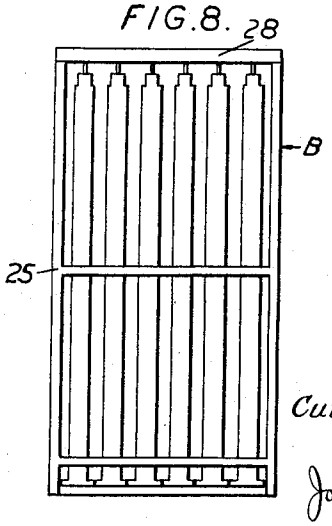


FIG. 8.



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FIG. 9.

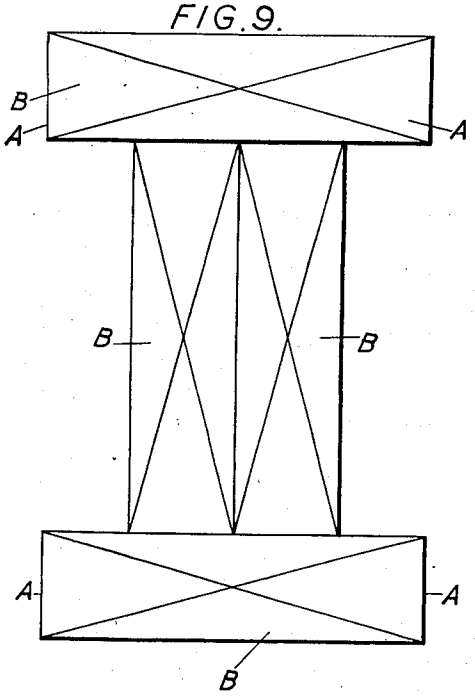


FIG. 10.

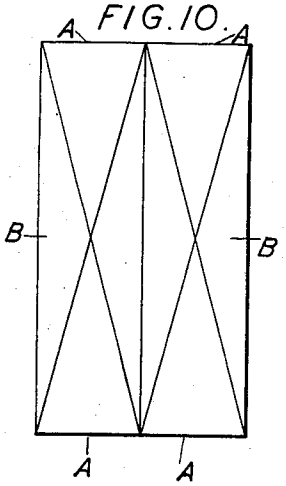


FIG. 11.

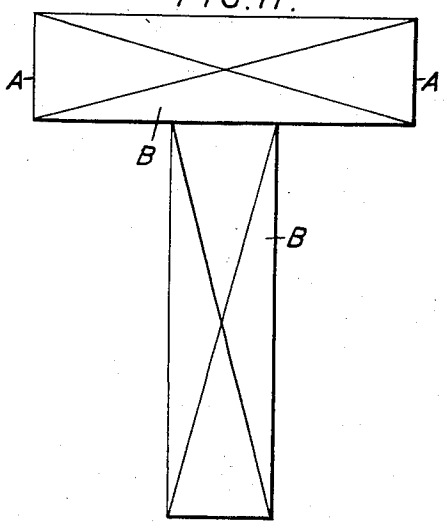


FIG. 12.

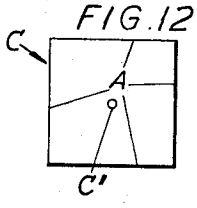
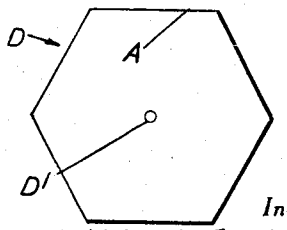


FIG. 13.



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MEANS FOR STORING AND DISPLAYING ROLLS OF WALL-PAPER AND OTHER ROLLED FABRICS

Cuthbert Forster Stobie, Murton Colliery, England

Application February 27, 1957, Serial No. 642,863

1 Claim. (Cl. 211—46)

This invention relates to means for storing and displaying rolls of wall-paper and other rolled fabrics.

Hitherto in the sale of wall-paper and other rolled fabrics, the general practice in the sale of such articles has been to store the rolls in open-ended compartments, and when a customer desires to inspect some patterns, the assistant selects a roll from each of a number of compartments, and displays them in succession by unrolling a portion before the customer. This process takes up a considerable amount of time as is well known.

It is the main object of the present invention to provide means whereby any desired number of different rolls may be stored in such a way that any one roll may be immediately available for display without any of the rolls having to be handled.

Another object is to provide a compartment for mounting each roll so that an unrolled portion of the roll may be displayed.

According to the invention there is provided a device for displaying rolls of wall-paper, fabrics and the like comprising several carriers or racks each adapted to carry a plurality of rolls of wall-paper, fabric or the like and to display an unrolled length thereof and a frame capable of movably supporting said carriers one behind the other and so that they can be moved, while still supported by the frame, one from behind another or others.

Upper and lower guides for the displayed length of wall-paper or fabric may comprise rollers carried by brackets attached to the sides of the compartment, or shelves with rounded front and rear edges, and the frontal display lengths may be vertical or inclined to vary the appearance of the display. The horizontal edges of adjacent display lengths may abut, or there may be a space between them which may be vacant or occupied with a separating strip.

Suitably arranged compartments for storing the rolls may be associated with the display frames to facilitate rapid delivery of the selected rolls.

The invention will now be described by way of example with reference to the accompanying drawings which show a display frame capable of storing 90 rolls of wall-paper.

In the drawings:

Fig. 1 is a front elevation of a carrier or rack consisting of five roll compartments.

Fig. 2 is an end elevation of Fig. 1.

Fig. 3 is a sectional elevation on the line III—III of Fig. 1.

Fig. 4 is a section plan on the line IV—IV of Fig. 1.

Fig. 5 is a fragmentary view to an enlarged scale of one of the compartments shown in Fig. 3.

Fig. 6 is a front view to a reduced scale of a complete display frame.

Fig. 7 is a plan view of Fig. 6.

Fig. 8 is an end view of Fig. 6.

Figs. 9 to 13 are diagrammatic outline views in plan showing different arrangements of the display frames.

Referring more particularly to the drawings, A is one

of the sliding roll carriers or racks and comprises a base 1 at the ends of which are mounted two uprights 2, 3 united at their upper ends by a horizontal T-section bar 4; while on the inner faces of the uprights 2, 3 are secured metal strips 5, 6. The rack A is divided into five compartments by equally spaced transverse spacing bars 7, and immediately above the base 1 by a T-section spacing bar 8. The web of the upper bar 4 has secured thereto a pair of brackets 9, 10 on which are mounted by means of a rod 11 roller brackets 12, 13 carrying rollers 14, 15 adapted to run on curtain rail type runners 16 which form the upper members of a main display frame B hereinafter to be described.

Each compartment (see Fig. 5) formed between adjacent bars 7 contains upper and lower front and rear guide rollers 17, 18 and 19, 20 respectively, the latter having their axes in the same horizontal plane as that of the horizontal axis of the lower bar 7; while on the vertical center line of the compartment, and a little towards the lower end is a removable pin 21 whereby a roll of wall-paper 22 can be supported transversely of the compartment, the loose end of the web 22*a* of the paper roll 22 being carried over the upper rear and front guide rollers 17 and 18, down the front of the compartment, under the lower front and rear rollers 20 and 19, and finally on to the upper side of the lower bar 7 to which it is secured by clips 24.

If desired the compartments may be modified by arranging the pin 21 near the upper end, so that the remainder of the compartment is available for storing a number of similar rolls so that on the customer's deciding on the desired pattern of the paper, the required number of rolls may be taken out of the rear compartment, and the purchase completed with the minimum of delay, instead of, as hitherto, the assistant's having to go to a store room for the number of rolls ordered.

Figs. 6 to 8 show the main display frame B which comprises two vertical side frames 25, 26 braced at their rear by diagonals 27, and supporting a horizontal frame 28 which in its turn supports a number of longitudinal runners 16 of a length equal to a little over five times the width of one of the carriers or racks, A. The frame B is thus open at the front. In the arrangement shown there are six of the runners 16, and each carries three carriers or racks A, forming three tiers of front to rear frames *a*, *b*, *c*.

In use, in the event of the desired pattern being among the rolls supported, say, by the middle carrier or rack A′ of the rearmost set of three such carriers A; all the carriers A except the rearmost, of the tiers *b* and *c* are moved into the empty space of the display frame B as indicated in chain lines at *b′* and *c′*, leaving the carrier A′ exposed.

In this way, the ninety rolls of paper stored on the display frame may be inspected in a very short time—at the most 10 minutes according to actual experience; whereas hitherto such inspection would have taken two hours, and then there would have been in addition the time taken in replacing the rolls in their respective storing places. In fact, the invention makes possible a self-service for the inspection of wall-papers, and so saves the expense of unnecessary assistants.

A number of display frames B may be arranged in different ways to give increased storage and inspection. For example in Fig. 9 two such frames are arranged back to back and two transversely at their ends; in Fig. 10 two frames are shown back to back only; while in Fig. 11 one display frame is arranged transversely across the end of another frame. In all cases the exposed ends each have additional carriers or racks A arranged transversely to the display frames B.

Fig. 12 shows a display frame C consisting of four

carriers or racks A mounted for rotation about a vertical axis C'; while Fig. 13 shows a display frame D consisting of six carriers or racks A mounted for rotation about a vertical axis D'.

The present invention thus provides improved means for displaying and storing wall-paper and other rolled fabrics whereby a large number of rolls can be displayed, the handling of the rolls and the time necessary to mount them being reduced to a minimum. Once mounted, the rolls need not again be handled until they are removed on sale. Each wastage and deterioration of the paper or fabric can thus be avoided, and my display frames readily lend themselves to the creation of a compact display and storage system at little expense. My improved frames are applicable for either interior or window display.

I claim:

A device, for displaying in combination a multiplicity of different rolls of material, comprising a frame having several rails extending from end to end of it at its upper part and located in spaced apart relationship one behind the other, groups of several racks suspended on each of said rails, one group behind another, for movement

along the rails, each of said racks having means adapted rotatably to support several rolls of material one above the other, guide rollers mounted on the rack so as to be parallel to the rolls and adapted to have a length of each roll of material taken over them so as to be displayed at the front of the frame, and vertically spaced cross-bars adapted to have the free ends of the rolls of material secured to them to tension the length displayed, each of said rails having a length greater than the additive widths of the several racks it supports to provide space on the rails for lateral movement of the racks from in front of one another to allow for the selection and display of different combinations of rolls.

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