April 24, 1934. H. H. BROOKS 1,956,523

DISPLAY RACK

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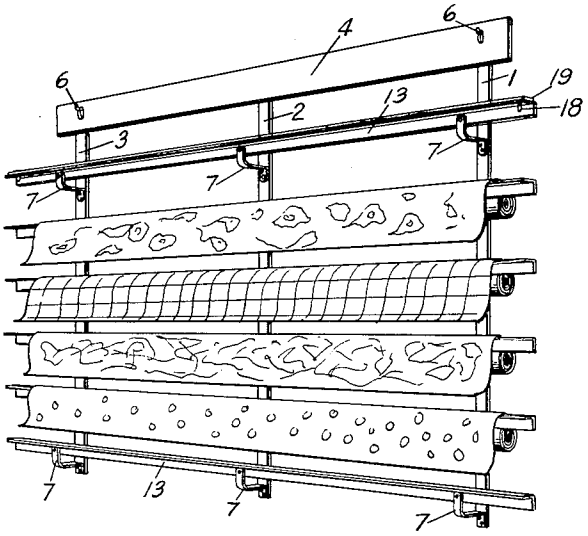


Fig. 1

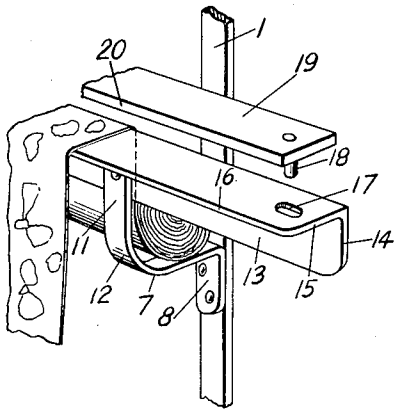


Fig. 2

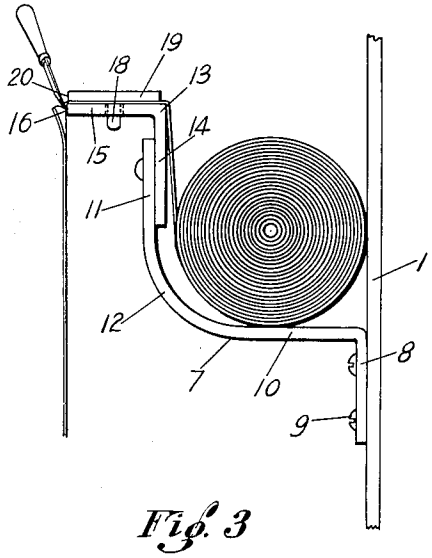


Fig. 3

INVENTOR.
Harold H. Brooks.

BY
Cowles & Mahoney
ATTORNEYS.

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DISPLAY RACK

Harold H. Brooks, Columbus, Ohio, assignor to Columbus Coated Fabric Corporation, Columbus, Ohio, a corporation of Ohio

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7 Claims. (Cl. 242—55.4)

My invention relates to display racks. It has to do, more particularly, with the provision of a novel type of display rack that is especially adapted for the display of a plurality of rolls of coated fabrics, such as oilcloth, pyroxylin coated fabrics, and other such material. However, it is not necessarily limited to use for displaying this class of material.

In the past, various types of display racks have been utilized for the display of material of the type indicated but such display racks have been possessed of certain undesirable features. For instance, to mount a roll of material of the type indicated on prior art display racks, it is necessary to first mount such roll of material on a rod or other such device which must then be mounted on the display rack. Furthermore, with such prior art display racks it is usually necessary to remove the roll of material from the rack each time it is desired to measure and cut a piece therefrom. Then too, racks of the type indicated which have been used heretofore, are expensive to manufacture, inasmuch as they are usually complicated in structure.

One of the objects of my invention is to provide a display rack which is very simple and inexpensive to manufacture and which is capable of taking care of the display of numerous rolls of the material for which it is designed in a very efficient and satisfactory manner.

Another object of my invention is to provide a display rack of the type indicated on which the rolls of material may be mounted in an efficient manner without first mounting such rolls on rods or other such devices.

Another object of my invention is to provide a display rack of the type indicated which is of such a structure that the material may be unrolled, measured, and cut without removing the roll from the display rack and with a minimum amount of difficulty.

In its preferred form, my invention contemplates the provision of a display rack embodying a plurality of spaced vertical supports having a plurality of socket brackets disposed along each support. The socket brackets of all of the vertical supports are in horizontal alignment with each other and are adapted to receive a roll of material which merely rests in the sockets formed by such brackets. On the outer and upper ends of each horizontal row of brackets, a cutting table is preferably mounted. The material is adapted to be drawn over this table when it is unwound from the roll. Each of these tables is provided with slots which are adapted to receive pins disposed on the under surface of a clamping bar. This clamping bar may be readily mounted on any of the tables and is adapted to hold the material in place when it is desired to cut a piece therefrom. The cutting off of the piece is accomplished by running a knife against the edge of the table. The clamping bar keeps the material from puckering or buckling ahead of the knife as the cutting operation is being performed.

The preferred embodiment of my invention is shown in the accompanying drawing wherein similar characters of reference designate corresponding parts and wherein:

Figure 1 is a perspective view of a display rack made in accordance with my invention.

Figure 2 is a detailed perspective view showing how the clamping bar of my display rack is mounted on the cutting table.

Figure 3 is an end elevation of a portion of my display rack showing how the roll of material is mounted thereon and how the material is held while a piece is being cut therefrom.

With reference to the drawing, my display rack is shown as comprising vertical bars 1, 2 and 3 which serve as the main supports of the display rack. These vertical bars may be secured together at their upper ends by a plate 4 which is fastened thereto in any suitable manner. This plate 4 may be utilized for displaying the name of the products which are mounted on the display rack.

Each end of the plate 4 is provided with openings. These openings are adapted to cooperate with hooks 6 in hanging the display rack on a wall or other suitable supporting structure. However, it will be understood that although the display rack is preferably hung on a wall structure, the vertical bars 1, 2, and 3, might be mounted on a suitable base member which will support the entire display rack. It will also be understood that although I have shown only three vertical supporting bars, that any number desired may be used.

Each of the vertical supporting bars 1, 2 and 3 is provided with a plurality of brackets 7 which are spaced vertically from each other. It will be obvious that any number of these brackets may be employed, depending upon the number of rolls of material it is desired to display. The vertically spaced brackets of all the vertical supporting bars are in horizontal alignment with each other. Each horizontal row of brackets is designed to receive a roll of material as will be hereinafter seen.

Each bracket 7 comprises a downwardly extending vertical portion 8 which is fastened to the respective vertical supporting bar by means of screws 9 or in any other suitable manner. The brackets are also provided with a horizontal portion 10, an upwardly extending vertical portion 11, and an intermediate curved connecting portion 12. These brackets are adapted to serve as sockets which are adapted to receive and retain a roll of material, as shown in Figure 3.

On the outer and upper ends of each horizontal row of brackets 7, an angle member 13 is mounted. This angle member 13 may be riveted or otherwise secured to each of the brackets 7. The angle member comprises a vertical portion 14 and a horizontal portion 15. The horizontal portion 15 serves as a cutting table, as will be apparent hereinafter.

Each of the tables 15 is provided at each end with a longitudinally extending slot 17. These slots are adapted to receive pins 18 which are disposed at each end of a clamping bar 19. The pins may be formed integral with the clamping bar or may be secured in openings formed therein in any suitable manner. I preferably provide only one clamping bar for each display rack and by having the cutting table 15 provided with the slots 17, which are adapted to receive the pins 18, the clamping bar may be removed from one cutting table and readily positioned on any other of the cutting tables.

As shown by the drawing, the cutting table 15 formed on the angle member 13, and the clamping bar 19 are of greater length than the roll of material which is mounted on the display rack. Furthermore, the slots 17 are so positioned that when the material is passed over the cutting table 15 it will not cover these slots.

As shown in Figure 3, when the clamping bar 19 is positioned on the cutting table 15, its outer edge 20 terminates a short distance from the outer edge 16 of the cutting table. These members are so positioned for a purpose which will be later explained.

When it is desired to use my display rack, it is preferably mounted on a wall structure or other similar support. Then, a roll of material is placed in the sockets formed by the horizontal rows of brackets 7. It will be understood that it is merely necessary to drop the roll into such sockets and they will retain it therein. The free end of the material of each roll is then passed over the cutting table 15 and a portion of it is preferably allowed to hang down over the forward edge of the cutting table. It will be understood that the roll of the material is so rolled that when the end is dropped over the forward edge of the table 15 the face of such material will be visible. Thus, a portion of the material of each roll mounted on the display rack will be visible to the prospective purchaser.

In some instances it may be desirable to support on the display rack rolls of material of such narrow width that they would fall between the bracket members. In such a case a slat, long enough to span at least two bracket members of a horizontal row, can be placed on the horizontal portions 10 of such brackets. It will be understood that the slat will then prevent the narrow roll from falling downwardly between the two brackets, the vertical wall 14 of the angle member will prevent it from rolling forwardly and the wall structure on which the rack is mounted will prevent the roll from rolling rearwardly. In other words, the narrow roll will be supported in a trough-like structure. It will be further understood that such narrow rolls might be supported on my rack structure in other ways.

When it is desired to measure and cut a piece of material from a certain roll, the material is pulled over the cutting table. The clamping bar 19 is then placed on such cutting table and will clamp the material thereon until a sufficient length has been secured. Then the material may be cut with a knife as shown in Figure 3. The knife is drawn along the outer edge of the cutting table 15. The clamping bar 19 is of sufficient weight to hold the material on the cutting table 15 and to keep the material from puckering or buckling ahead of the knife as the cutting operation is being performed. However, if the roll of material is sufficiently large, the weight of the material itself is sufficient to hold it down on the cutting table in such a manner as to prevent puckering or buckling as the cutting operation is being performed, and it will therefore not be necessary to use the clamping bar 19 at all times. Since the clamping bar 19 is disposed slightly behind the forward edge of the cutting table 15, there will be less likelihood of the knife, which is used to cut the material, becoming dull in a short time.

It will be obvious from the above description that when it is desired to cut a piece of material from any of the rolls it is not necessary to remove such roll from the sockets in which it is placed. Furthermore, the material will be securely held when the cutting operation is being performed. It will also be obvious that the clamping bar 19 may be readily removed from any of the cutting tables 15 and readily positioned on any of the other cutting tables. Since it is not necessary to mount the rolls of material on rods before mounting them on the display rack, a more desirable structure of display rack is produced. The socket members will retain the rolls in such a manner that they may be unrolled with a minimum amount of difficulty.

It will also be apparent that although I have provided a display rack which is very simple and inexpensive to manufacture, nevertheless, it is capable of taking care of the display of rolls of material in an efficient and highly satisfactory manner.

Having thus described my invention, what I claim is:

1. A display rack comprising a plurality of vertical supporting members, a plurality of horizontal rows of socket bracket members mounted on said supporting members, a cutting table mounted on the forward ends of the bracket members of each horizontal row, each of said cutting tables being provided with slots, and a clamping bar having pins adapted to be disposed in said slots when said bar is mounted on any of said tables.

2. A display rack for displaying cloth or other such material comprising a supporting structure, a socket structure on said supporting structure adapted to receive and retain a roll of such cloth or other material therein, said socket structure being of such a type that the roll of material will merely rest therein and the socket structure will be the only member supporting said roll, a cutting table, over which the material unwound from said roll is adapted to pass, mounted on the forward edge of said socket structure, and means for clamping the unwound material to said cutting table.

3. A display rack for displaying cloth or other such material comprising a supporting structure, a socket structure on said supporting structure adapted to receive and retain a roll of such cloth or material therein, said socket structure being of such a type that the roll of material will merely rest therein and the socket structure will be the only member supporting said roll, and a clamping member mounted on the forward edge of said socket structure and adapted to receive and clamp in position material which is unwound from said roll.

4. A display rack for displaying cloth or other such material comprising a plurality of vertical supports, a plurality of socket bracket members mounted on said supports and being in horizontal alignment, said brackets being of such a type that the sockets therein are adapted to receive and retain a roll of such material, said roll of material being adapted to merely rest in the sockets in said bracket members which will be the only members supporting said roll of material, and a clamping member mounted on the forward ends of said bracket members adapted to clamp and hold in position, material which is unwound from said roll.

5. A display rack for displaying cloth or other such material comprising a supporting structure, a plurality of bracket members arranged in horizontal rows on said supporting structure, said brackets having sockets formed therein which are adapted to receive and retain rolls of such material, said rolls of material being adapted to merely rest in the sockets in said brackets which will be the only members supporting said rolls of material, each of said horizontal rows of brackets having a cutting table mounted on the forward ends of the brackets of the horizontal row and a clamping bar adapted to be removably mounted on any one of said cutting tables.

6. A display rack comprising a supporting structure, a plurality of horizontal rows of socket bracket members mounted on said supporting structure, a cutting table mounted on the forward ends of the bracket members of each horizontal row, each of said cutting tables being provided with openings, and a clamping bar having projecting members adapted to extend into said openings when said bar is mounted on any of said tables.

7. A display rack for displaying cloth or other such material comprising a supporting structure, and a plurality of socket structures on said supporting structure, each of which is adapted to receive and retain therein in a horizontal position a roll of such cloth or material, each of said socket structures being of such a type that the roll of material will merely rest thereon and the socket structure will be the only member supporting said roll of material, cutting tables over which the material will pass when unwound mounted on the forward edge of each of said horizontally disposed socket structures, each of said cutting tables being provided with openings, and a clamping bar having projections thereon adapted to be disposed in said openings when said bar is mounted on any of said tables.

HAROLD H. BROOKS.