C. C. RUSH.

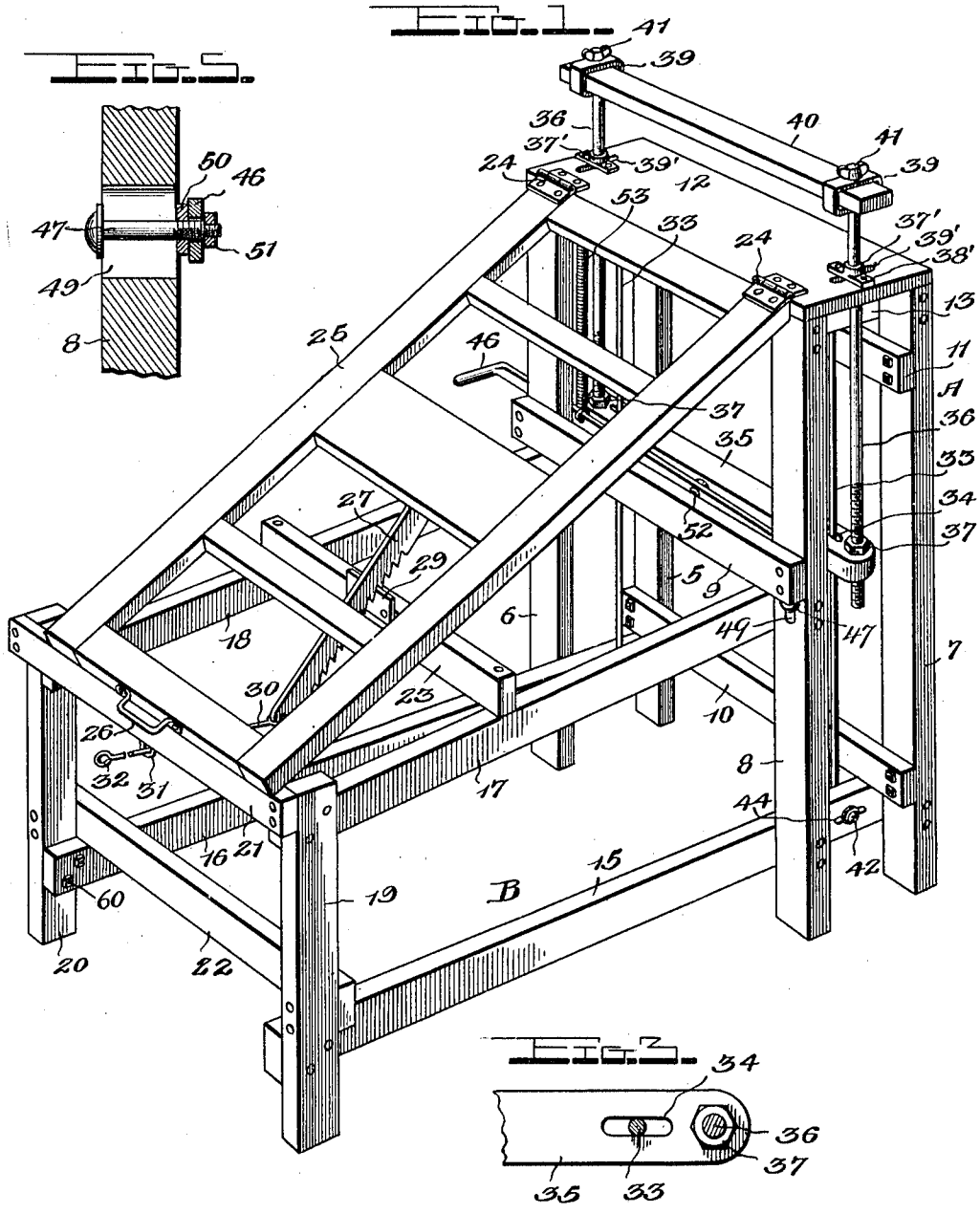
DISPLAY RACK.

APPLICATION FILED SEPT. 23, 1916.

1,241,768.

Patented Oct. 2, 1917.

2 SHEETS—SHEET 1.



Inventor

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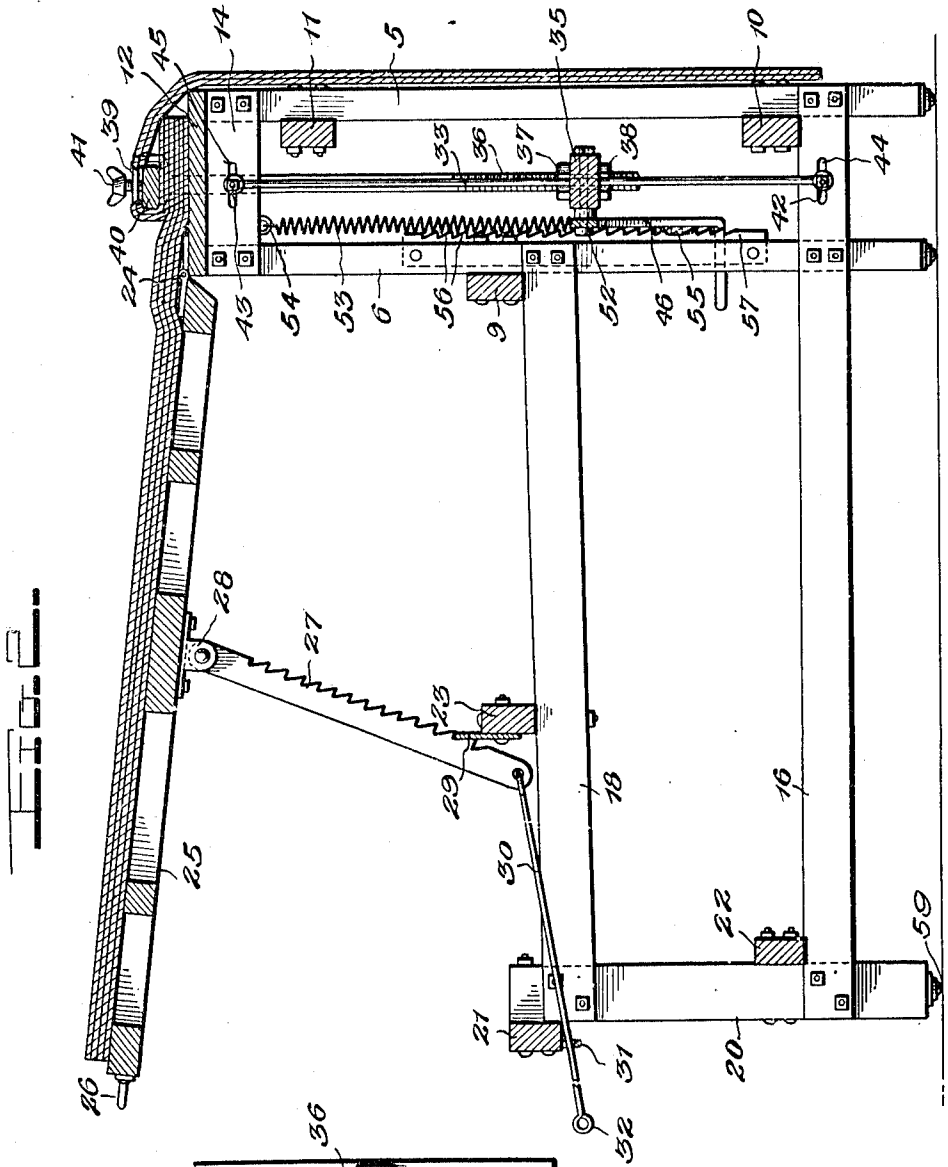


FIG. 2.

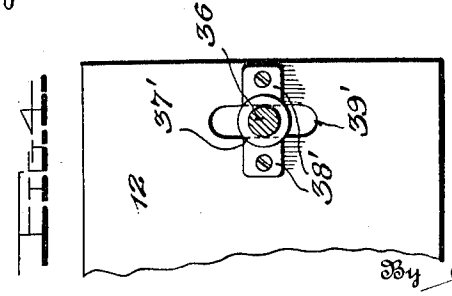


FIG. 4.

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UNITED STATES PATENT OFFICE.

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DISPLAY-RACK.

1,241,768. Specification of Letters Patent. Patented Oct. 2, 1917.

Application filed September 23, 1916. Serial No. 121,736.

To all whom it may concern:

Be it known that I, CHRIS C. RUSH, a citizen of the United States, residing at Greenville, in the county of Greenville and State of South Carolina, have invented certain new and useful Improvements in Display-Racks, of which the following is a specification.

This invention relates to display racks and its object is to provide an improved device of this nature constructed in such manner as to adapt it to display rugs.

A further object of the invention is the provision of a rack of the character above described adapted to support a pile of rugs in such position as to display them to the best advantage and also to support them in such manner that any individual rug may be withdrawn from the pile without disturbing any of the other rugs of the pile.

Further objects and advantages of the invention will be set forth in the detailed description which now follows:

In the accompanying drawing;

Figure 1 is a perspective view of a display rack constructed in accordance with the invention.

Fig. 2 is a longitudinal, sectional view therethrough.

Fig. 3 is a detail view of one end of a cross-bar hereinafter described.

Fig. 4 is a sectional view through one of the clamp rods above the cap plate, and

Fig. 5 is a vertical sectional view illustrating the adjustable pivotal mounting of the operating handle hereinafter described.

Like numerals designate corresponding parts in all of the figures of the drawing.

Referring to the drawing it will be seen that my improved rack comprises a vertical frame indicated in a general way at A and a horizontal frame indicated in a general way at B. The vertical frame A comprises four corner posts 5, 6, 7 and 8 suitably tied together by transverse bars 9, 10 and 11, a cap plate 12 and bars 13 and 14. The horizontal frame comprises longitudinally extending members 15, 16, 17 and 18, vertical corner posts 19 and 20 and transverse bars 21, 22 and 23. Hinged at the front edge of the cap plate 12 by hinges 24 is a rectangular frame 25 which carries at its free end a handle 26. A swinging rack bar 27 is pivoted to a bracket 28 which depends from the under side of the frame 25 and this rack bar engages the upper edge of a plate 29 that is carried by the bar 23. A wire 30 passes through any suitable keeper such as a staple 31 that is carried by the bar 21 and one end of this wire is connected to the free end of the rack bar 27 and the opposite end of this wire is provided with a ring 32 which constitutes a handle. When the wire is drawn upon to release the rack bar from the plate 29, the frame 25 will descend until its free end rests upon bar 21 but if the frame be raised to the position illustrated in Fig. 2 the rack bar will serve to maintain the frame 25 in such position. Extending between the bars 13 and 14 and the longitudinally extending frame members 17 and 18 respectively, are guide rods passing through slots 34 formed in a cross-bar 35. This cross-bar carries clamp rods 36 that are threaded for the reception of nuts 37 and 38, said nuts serving to rigidly connect the clamp rods with the cross-bar 35. The upper ends of the clamp rods 36 are shaped to form yokes 39 adapted to receive a clamp bar 40, said yokes carrying set screws 41 for securing the clamp bar against displacement therefrom. The upper portions of the clamp rods 36 are slidably disposed in sleeves 37′ that are provided with wings 38′ which span slots 39′ formed in the cap plate 12. This structure permits a limited adjustment of the clamp rods forwardly and rearwardly to secure the desired alinement of the several parts. The guide rods 33 are likewise adjustable forwardly and rearwardly of the machine through the medium of bolts 42 and 43 adjustable in slots 44 and 45 of the members 15, 16, 17 and 18, respectively.

An operating handle 46 is pivoted upon a bolt 47 carried by the vertical corner post 8. (See Fig. 5.) This bolt passes through a slot 49 formed in the corner post 8 and carries a nut 50, the tightening of which serves to adjust the bolt 47 vertically in the slot 49 and a nut 51 is threaded upon a reduced portion of the bolt 47 and holds the handle 46 in position. An intermediate portion of the handle 46 is pivotally connected at 52 to the cross-bar 35 and a spring 53 has one of its ends connected to said handle and its other end connected at 54 to a part of the vertical frame. The upper edge of the operating handle is bent rearwardly at 55 to engage in the teeth 56 of a rack plate 57 that is secured to the corner post 6. If the operating handle be pressed downwardly

at its free end against the tension of spring 53, the portion 55 thereof will ride over the rack teeth 56 and the cross-bar 35 will be drawn downwardly carrying with it the clamp rods 36 and clamp bar 40 to thereby clamp upon the cap plate 12 one end of a pile of rugs 58. In placing the pile of rugs in position the frame 25 is moved to the position illustrated in Fig. 2 and is held there by the rack bar 27. The clamp bar 40 is removed by releasing the set screw 41 and a pile of rugs is placed in position with one end of the pile resting upon the cap plate 12 and the major portion of the pile resting upon the frame 25. The clamp bar 40 is then restored to its position in the yokes 39 and secured therein by the set screws 41. The wire 30 is then drawn upon to release rack bar 27 from its engagement with plate 29 and this permits frame 25 to drop to the position illustrated in Fig. 1. The rugs may then be successively thrown back over the clamp bar 40 and hang down over the rear face of the vertical frame A to thereby successively expose the faces of the several rugs.

The provision of the hinged frame 25 renders it possible to bring the rugs to an inclined position during the time that they are being exhibited but it renders it possible to hold the rugs in a position slightly above the horizontal during the time that the clamp bar 40 is being adjusted to bring it into clamping relation with the pile of rugs so that at this time there is no danger of the pile of rugs slipping from the rack. Furthermore, if it be desired to withdraw any individual rug from the pile of rugs without disturbing the remaining rugs, it is only necessary to lift the frame 25 to the position illustrated in Fig. 2 and to throw the several rugs back over the clamp bar 40 until the rug that it is desired to withdraw is exposed at the top of the pile. If the clamp bar 40 be then released and if the rugs that have been thrown back over the clamp bar be grasped with the left hand and the rug that it is desired to withdraw be grasped with the right hand and given a sharp jerk, said rug may be withdrawn without disturbing any of the other rugs of the pile.

The entire structure is preferably mounted upon casters 59 so that it may be readily wheeled from place to place. I find this of advantage in bringing the frame into proximity with large hanging rugs carried by racks of another type to thereby compare the rugs upon my rack with the aforesaid hanging rugs in order to enable the purchaser to determine whether said rugs match with each other. It is also of advantage in wheeling the rack to a position where a good light may be obtained. The several parts of the rack are held together with bolts indicated in a general way at 60 so that the frame may be readily disassembled and shipped in knock-down form.

While the elements shown and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth but includes within its purview whatever changes fairly come within the spirit of the appended claim.

Having described my invention what I claim is:—

A device of the character described, comprising a vertical frame, a cap plate carried thereby, a frame, one end of which is hinged at the edge of said cap plate, clamp rods passing through the cap plate, a clamp bar carried by the clamp rods, a cross-bar to which the clamp rods are connected, guide rods operating in slotted portions of the cross-bar, an operating handle, means for adjustably and pivotally connecting the operating handle to the vertical frame, means for pivotally connecting the operating handle to the cross-bar at a point intermediate the ends of the operating handle, a rack carried by the vertical frame with which the operating handle co-acts and a spring normally tending to impart vertical movement to the operating handle.

In testimony whereof I affix my signature.

CHRIS C. RUSH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."