

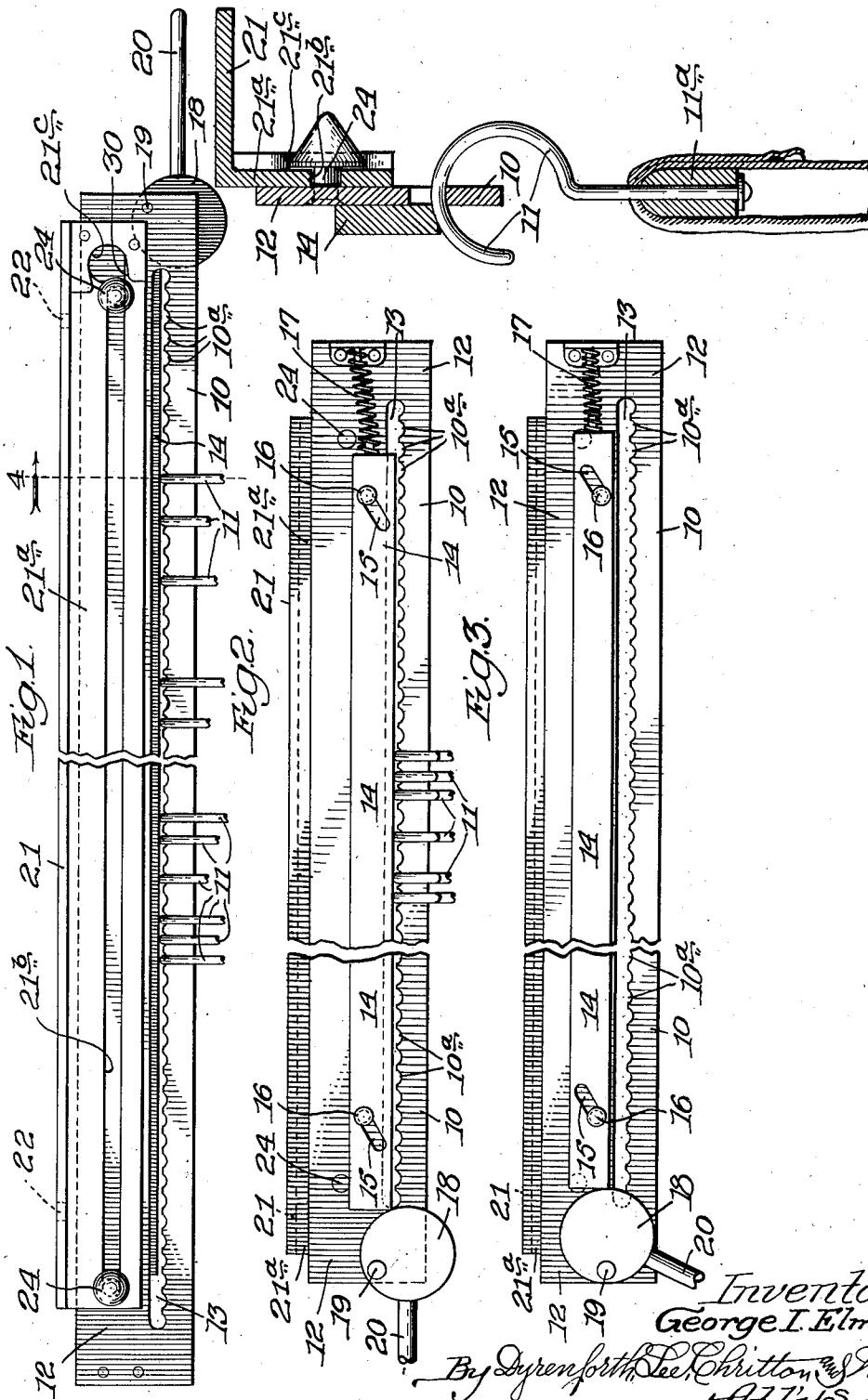
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RACK FOR GARMENT HANGERS

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RACK FOR GARMENT HANGERS

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3 Claims. (Cl. 211-124)

This invention relates to improvements in racks for garment hangers and, more especially, such a rack adapted to support and firmly hold a plurality of garment hangers. The invention is adapted particularly for use in connection with vehicles in which garments are conveyed on the hangers. Heretofore it has been customary to provide poles in such vehicles for supporting the hangers; but when this was done, difficulty was encountered because of the slipping and sliding of the hooks of the hangers on the poles. This objection is eliminated in my improved rack by the provision of means for quickly and readily clamping the hooks of the hangers on the supporting member against sliding movement thereon. The construction is so fashioned that the clamping means can be quickly released to simultaneously free all the hangers to permit removal from or replacement on the bar. By a simple movement, all the hangers can again be simultaneously clamped. This construction greatly facilitates handling of garments in delivery service.

Another feature of my invention is the provision of a removable supporting bar to permit assembly of a plurality of hooks and hangers thereon in a store or shop and easy removal of all the hangers on said bar to a delivery vehicle where the bar may be quickly attached to a co-operating member in the vehicle.

Other features and advantages of my invention will appear more fully as I proceed with my specification.

In that form of device embodying the features of my invention shown in the accompanying drawing—

Figure 1 is a view in side elevation; Fig. 2 is a similar view showing the opposite side; Fig. 3 is a view similar to Fig. 2 showing the clamping mechanism released; and Fig. 4 is a view taken as indicated by the line 4 of Fig. 1.

As shown in the drawing, 10 indicates a supporting bar with its upper edge serrated, as indicated by 10^a, to provide a plurality of notches to receive the hooks 11 of garment hangers 11^a. As here shown, the supporting bar 10 is formed by providing the flat bar 12 with a slot 13 closed at the ends. The lower portion of the bar 12 below the slot thereby constitutes the supporting bar 10.

At one side of the member 12 and above the bar 10 is provided a clamping bar 14 provided with oblique slots 15 embracing the pins 16. Endwise movement of the clamping bar 14 to the left, as viewed in Figs. 2 and 3, will thereby

lower the bar against the upper portions of the hooks 11 to hold them in the notches formed by the serrations 10^a and thus prevent lateral displacement. A compression spring 17 is provided to yieldingly hold the bar 14 in its clamping position, as shown in Fig. 2. Release means is provided by means of the eccentric 18 pivoted at 19 and provided with an operating handle or lever 20. The eccentric 18 engages the end of the bar so that when the handle 20 is pulled downwardly, as shown in Fig. 3, the bar 14 is pressed to the right against the compression spring 17 to raise the same from the supporting bar 10 and release the hooks 11. Upward movement of the handle 20 to the position shown in Fig. 2 permits the spring 17 to move the clamping bar 14 into clamping position. The hooks 11 are preferably placed over the bar 10 as shown in Fig. 4, with their ends projecting on the side on which the clamping member 14 is located. Since this clamping member is above the supporting bar 10 and to one side thereof, it will be seen that when it is in clamping position, it will give support to the hooks 11 to resist any straightening of the same that might otherwise be caused by undue downward pull.

The entire member 12 carrying the supporting bar 10 is made removable from its supporting member 21. The latter, for example, may be formed of angle iron and suitably fastened to the roof of a delivery wagon by screws (not shown) inserted through the holes 22 in the upper horizontal flange. The lower vertical flange 21^a of the angle iron is provided with a slot 21^b and the member 12 is provided with large-headed pins 24, 24 adapted to lie in the slot 21^b to support the member 12. One end of the slot 21^b is enlarged, as indicated at 21^c, to permit insertion of the heads of the pins 24. In operation, one of the pins is first inserted and then slid to the other end of the slot and the second pin then inserted. This permits very quick attachment and assembly of the member 12 with all the garment hangers thereon in place and greatly facilitates loading of a truck or delivery wagon. It is to be understood that the shanks of the pins 24 are small enough and long enough and that sufficient clearance and lost motion is provided between the parts to permit ready insertion of one of the pins and sliding of it to the end of the slot and then insertion of the other pin to mount the member 12 and to permit the reverse action.

30 indicates a shoulder stop preferably located at one end of the slot 21^b adjacent the large hole 21^c to engage the head of one of the pins

24 to assist in preventing undesired dislodgment of the supporting bar from the permanent support 21.

5 While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed
10 in the appended claims, in which it is my intention to claim all novelty inherent in my invention as broadly as permissible, in view of the prior art.

15 What I claim as new, and desire to secure by Letters Patent, is:

20 1. A rack for garment hangers, including: a permanent supporting member provided with an elongated slot having an enlargement at one end; and a detachable supporting bar provided with large-headed pins adapted for engagement with said slot, the heads of said pins adapted to

be inserted through the enlargement in the head of the slot.

2. A device as claimed in claim 1, with clamping means on the supporting bar adapted to clamp hooks thereon against said bar to prevent 5 displacement of the same on said bar.

3. A rack for garment hangers, including: a permanent support having a depending vertical flange with a slot having an enlargement at one end; a supporting bar adapted to receive a plurality of hooks of garment hangers; large-headed pins on said supporting bar adapted for insertion through the enlarged end of the slot of the permanent support and engagement with said slot to support said supporting bar from said permanent support; a vertically movable clamping bar on the supporting bar adapted to be lowered to bear against the upper surfaces of the hooks to clamp the same on said bar or raised to release said hooks; and means for raising and lowering 20 said clamping bar.

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