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ROLL SUPPORTING AND DISPLAY RACK

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Fig. 1.

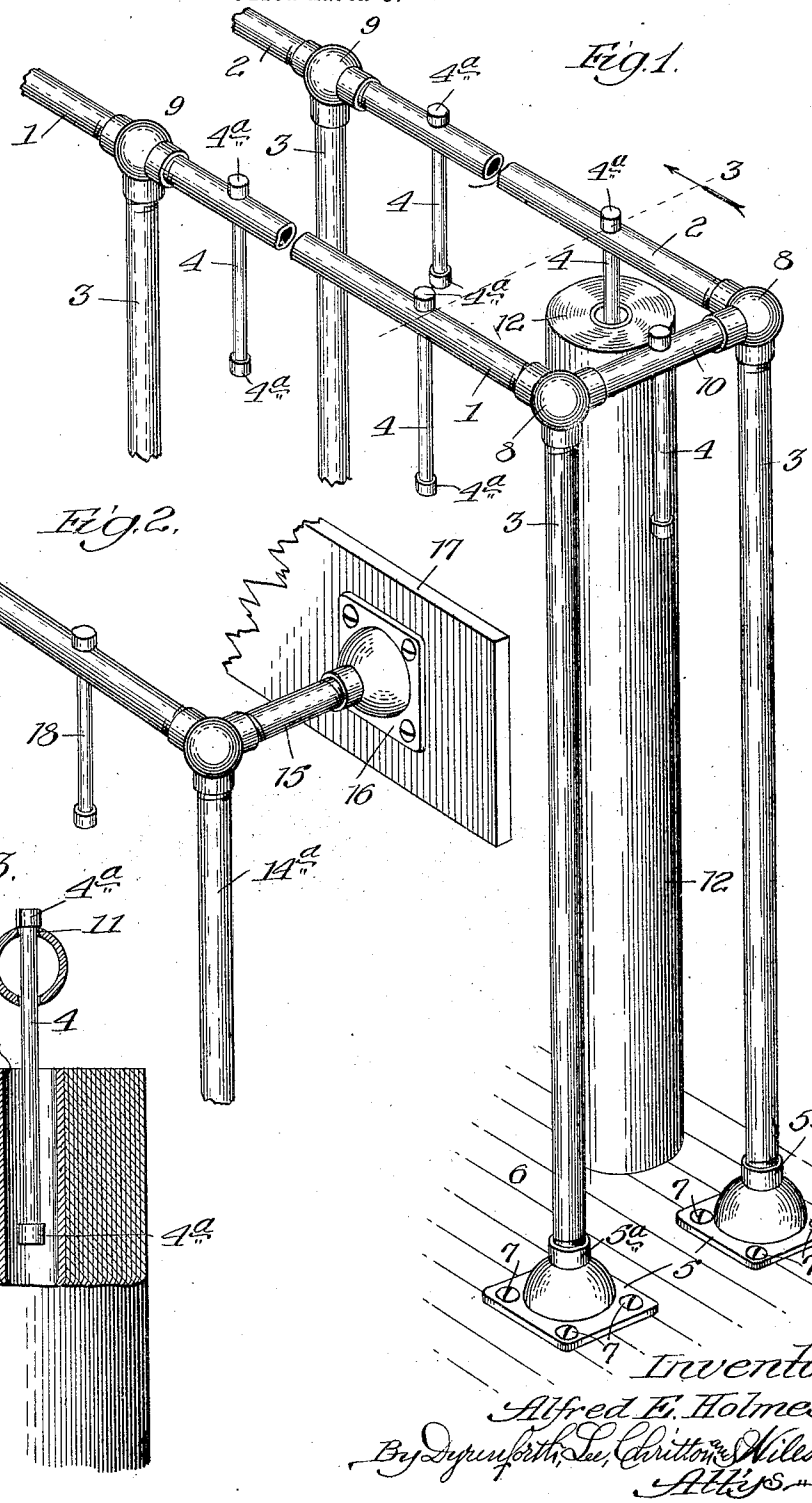


Fig. 2.

Fig. 3.

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ROLL SUPPORTING AND DISPLAY RACK.

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This invention relates particularly to a rack adapted to safely support and display rolls of linoleum or the like; and the primary object is to provide a very simple store-fixture of this character which is thoroughly adapted to its purpose.

The invention is illustrated in its preferred embodiment in the accompanying drawing, in which—

Fig. 1 represents a broken perspective view of the improved display rack supported on a floor; Fig. 2, a broken perspective view of a modification; and Fig. 3, a broken vertical sectional view taken as indicated at line 3 of Fig. 1.

Referring to Figs. 1 and 3, the device comprises, in this embodiment, a pair of parallel bars 1 and 2 which are supported on standards 3; and a series of vertically slidable roll-engaging pins 4 working freely through vertical perforations in the members 1 and 2. Each of the standards 3 is equipped at its lower end with a socket plate 5 which is secured to the floor 6, as by means of screws 7. The socket portions 5^a of the plates 5 preferably are interiorly threaded and screwed upon the lower ends of the standards 3, said standards preferably being tubular. In fact, the frame work throughout preferably is composed of gas pipes connected with fittings 8 and 9. Suitable cross members 10 (one shown) serve to connect the side members of the frame together. The intermediate fittings 9 may be T fittings. Obviously, the safety display rack may be made of any desired length. The longitudinal members 1 and 2 are provided with vertical perforations 11, as shown in Fig. 3. The roll-engaging pins 4, which may be termed centering pins, may be composed of short lengths of tubing or small gas pipe, equipped with end caps 4^a.

A roll 12 of linoleum is shown in Figs. 1 and 3. Oridinarily, such a roll is wrapped, for shipping purposes, upon a cardboard tube 13, which may be three or four inches in diameter. The rolls 12 may stand on end upon the floor. The rack should be of sufficient height to allow a clearance of a few inches to clear the top members of the rack and the upper ends of the rolls. Thus, when it is desired to withdraw a roll from the rack, as when a sale of linoleum is to be effected, all that is necessary is to lift the centering pin 4 and tip the roll away from the plane of the rack. Thus, the roll can be laid upon the floor and the desired length of linoleum can be measured and cut from the roll.

In the modification shown in Fig. 2, a single top member 14 is employed, this member being supported upon standards 14^a (one shown). The top member is connected by a short horizontal member 15 with a socket-plate 16 which is attached to a vertical wall 17, or to a horizontal bottom secured to such vertical wall. The lower ends of the standards 14^a will be secured, by a suitable socket-plate, to the floor. The member 14 is provided with vertical perforations through which work the roll centering pins 18 (one shown).

In any case, the centering pins or roll-engaging pins are spaced apart a suitable distance. Usually this distance is a little greater than the diameter of the largest roll which will be housed in the rack.

The rack is open at the sides. That is, there is no obstruction, after the centering pin is lifted, to prevent the roll from being swung outwardly and downwardly about its outer lower corner. That is, the roll can be swung through an arc which lies in a plane at right angles to the plane on the rack. In the illustration shown in Fig. 1, one of the centering pins 4 is shown connected with the cross-bar 10, so that a roll can be stored at the end of the rack. In this case, the roll, in lowering, would swing away from the end of the rack, but in the plane parallel with the rack.

Any suitable means may be employed for supporting a longitudinal bar, or a pair of such bars, these bars being equipped with the vertically slidable pins. For simplicity of construction and to facilitate use, the rolls should be allowed to rest upon the floor, or substantially on the same level as the floor, and the sides of the racks should be open to permit the outward swing of the rolls when it is desired to remove them from the rack.

The foregoing detailed description has been given for clearness of understanding only, and no unnecessary limitations should be understood therefrom.

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

1. A rack of the character set forth, comprising a substantially horizontal bar provided with spaced vertical guide-perfora-

tions, standards supporting said bar and equipped with base-plates adapted to be secured to a floor, and short roll-engaging pins freely slidable vertically through said guide-perforations and adapted to depend into the upper end of a roll standing upon the floor, the space between said horizontal bar and the floor being unobstructed, whereby rolls may have their lower ends supported on the floor and their upper ends engaged by said pins.

2. A rack of the character set forth, comprising a pair of spaced parallel tubular top members provided with spaced vertical perforations, fittings supporting said members, standards supporting said fittings, floor-plates supporting said standards, and roll-centering pins slidable vertically through said perforations and adapted to enter the upper ends of rolls standing on the floor, the space between the plane of said top members and the floor being unobstructed, whereby rolls may have their lower ends supported on the floor and their upper ends engaged by said pins.

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