(No Model.)

W. R. FREEMAN.

CLOTHES RACK.

No. 455,874. Patented July 14, 1891.

Fig 1

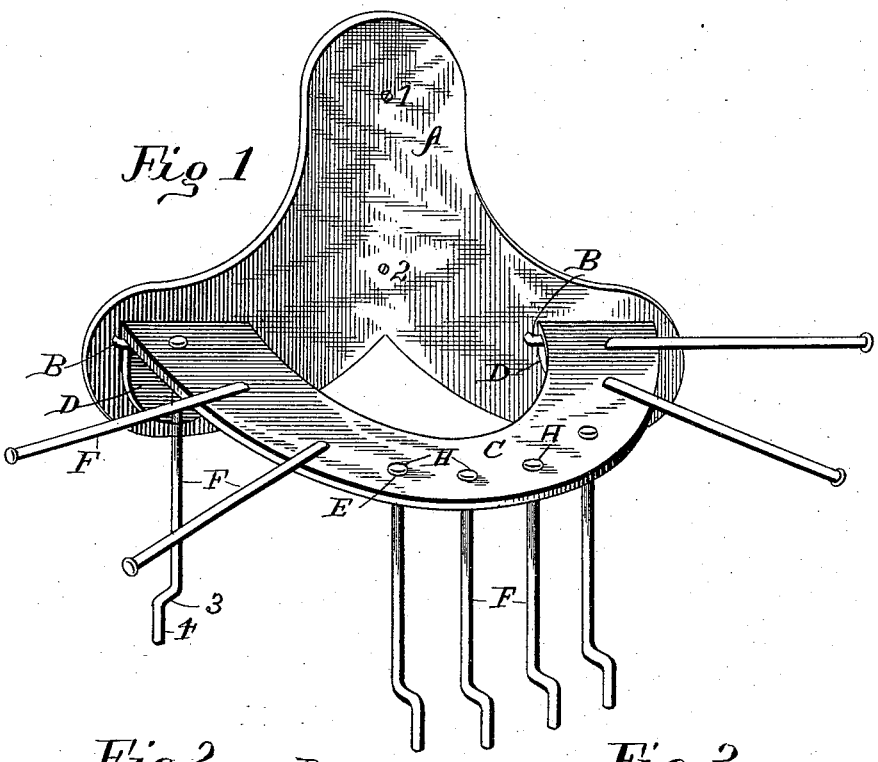


Fig 2

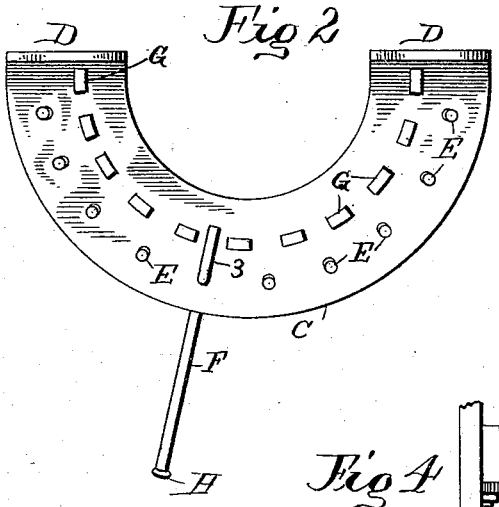


Fig 3

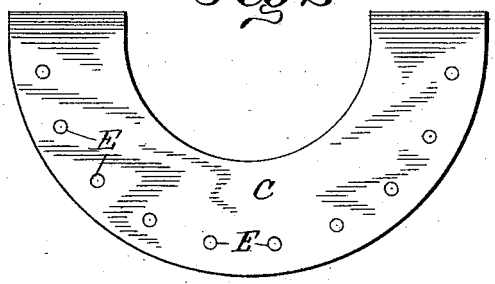
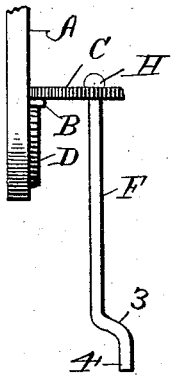


Fig 4



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM R. FREEMAN, OF STERLING, ILLINOIS.

CLOTHES-RACK.

SPECIFICATION forming part of Letters Patent No. 455,874, dated July 14, 1891.

Application filed April 28, 1891. Serial No. 390,727. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. FREEMAN, a citizen of the United States, residing at Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Clothes-Racks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention has reference to improvements in clothes-racks, and embodies the use of a fixed plate, a removable plate, and clothes-supporting rods. The fixed plate is adapted to be attached by means of screws to a wall or other stationary object, there to remain as a support for the removable plate at such times as it is desired to utilize my invention. The removable plate is provided with means for temporarily engaging the fixed plate and with vertical openings for the insertion of the drying-rods. The drying-rods are provided at one end with an angular turn in two directions, by which they are supported radially and horizontally in the openings of the removable plate. Said rods are also provided with knobs at their opposite ends, which engage the upper surface of the removable plate and suspend the rods thereon, whereby said rods are hung vertically in said plate when not in use. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective of a machine embodying my invention, showing some of the rods in position for use and some of them hanging downward in disuse. Fig. 2 is a view of the bottom of the removable plate. Fig. 3 is a view of the top of the removable plate. Fig. 4 is a detail of the engagement of the removable and fixed plates, also showing one of the rods in disuse.

Similar letters refer to similar parts throughout the several views.

A is the fixed plate, of a trefoiled or other ornamental form, provided with screw-holes 1 and 2 in its upper cusp for attaching said plate by means of suitable screws to a wall or other stationary body. Said plate is further provided with horizontal staples B in its lateral cusps to removably receive and retain the engaging ends of the removable plate.

C is a removable plate, preferably of a semicircular form and provided at its open ends with downwardly-projecting lugs D. Said plate C is in its general conformation, with the provision of the lugs D, in the form of a horseshoe provided with the usual heel-calks. Said plate C is further provided with a segmental series of vertical holes E in a line substantially parallel with its outer surface and a slight distance within the latter. The inner walls of the holes E are preferably cut away on the lower side of plate C to permit the drying-rods to more readily assume the horizontal position, said rods being of a diameter nearly equal to that of said holes.

F F are the drying-rods, which are of a number proportionate to the size of the plate C and the number of the holes E. In my invention I use nine thereof. One end of the rod F is given a downward bend 3 and a horizontal turn 4, and when said rods have such bent end properly inserted in the holes E of the plate C the downward portion 3 will be substantially vertical in said holes, the bend 4 will lie horizontally along the under surface of the plate C, and such rods will project radially from said plates in a horizontal position. The rods F are supported when in use by the upper surface of the plate C outside of the line of holes E.

A segmental series of lugs G can be formed on the lower surface of the plate C within the line of holes E and respectively in a radial line between said holes, so that when the rods F are in a horizontal position for use the ends 4 of said rods will project within the lugs G and be held from lateral movement, whereby the outer ends of said rods will project divergently in a fixed position. The rods F are further provided at their outer ends with a knob H, and when not in use such rods can be turned up in a vertical position and dropped nearly through the plate C, being suspended there out of the way by the head H resting on the upper surface of said plate, as shown in Fig. 4, when said rods and plate will occupy but little space; or, if prefered, the plate C, with its depending rods,

can be readily lifted out of the staples B and entirely removed from the plate A.

The advantage of my invention is that the plate A can be readily fastened at any convenient location, and, being flat and thin, will occupy no appreciable space. The plate C can be removably attached thereto by simply passing the lugs D thereof down through the staples B, when the plate C will be supported in a horizontal position by the abutting of the outside of said lugs against the plate A below said staples.

The rods F, if hanging in plate C by the knobs H, can be simply drawn upward and outward into position, or, if said rods have been wholly detached from plate C, they are placed therein by simply inserting their bent ends downwardly into the holes E and then drawn outwardly into the horizontal position.

My invention can be made of any desired size, can be constructed cheaply, is strong and durable, and the rods F can be of such number and of such length as may be desired.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. The combination of the plate A, adapted to be fastened vertically and provided with projecting horizontal staples B, the segmental plate C, provided with downwardly-extending lugs D, adapted to engage the staples B, and with a series of holes E, and the rods F, provided with the bends 3 and 4, substantially as shown, and for the purpose described.

2. The combination of the plate A, adapted to be permanently supported in a permanent position and provided with staples B B, the plate C, provided with end lugs D D, adapted to removably engage said staples, and further provided with the series of rod-holes E E and rod-retaining lugs D, and the rods F, provided with sustaining-bends 3 and 4 and with a supporting-head H, substantially as shown, and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM R. FREEMAN.

Witnesses:
JOHN G. MANAHAN,
ADDA E. WARD.