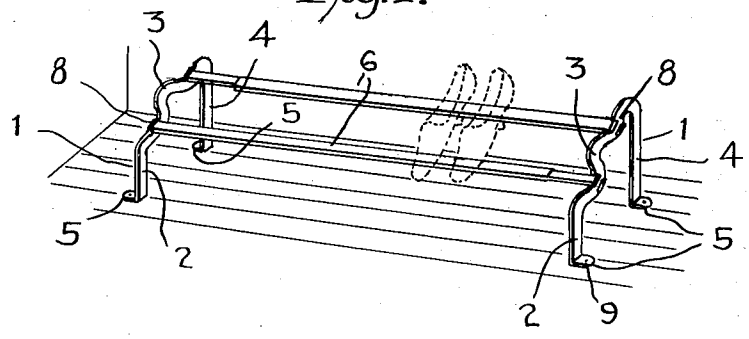
March 26, 1935. S. FISCHER 1,995,383

SHOE RACK

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Fig. 1.



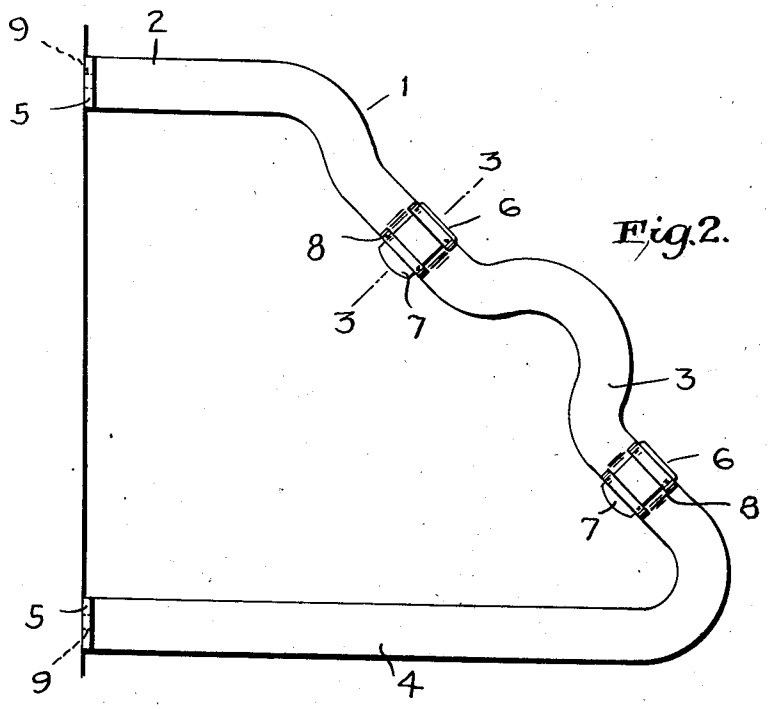


Fig. 2.

Fig. 3.

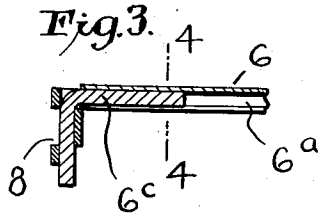
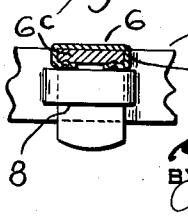


Fig. 4.



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Fig. 6.

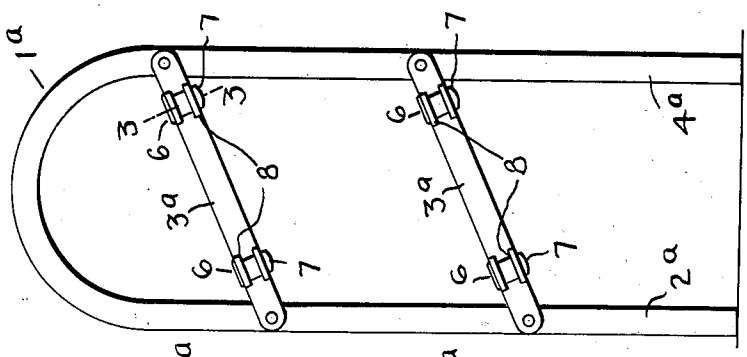
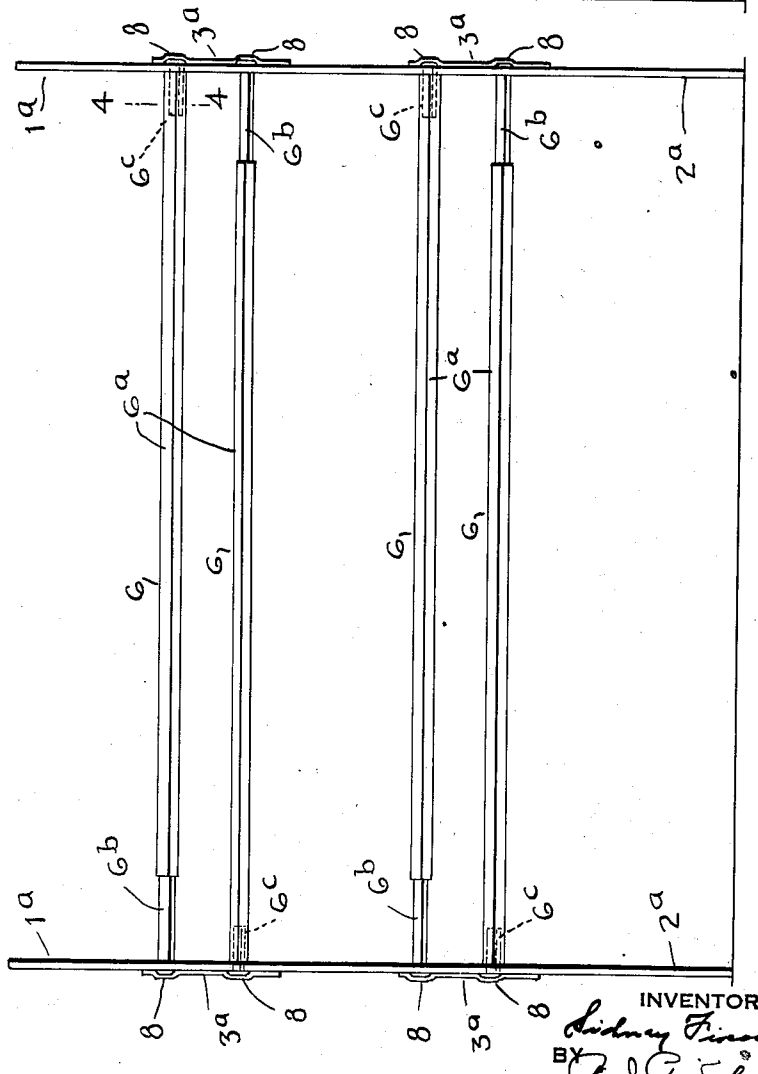


Fig. 5.



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UNITED STATES PATENT OFFICE

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SHOE RACK

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Application September 12, 1934, Serial No. 743,685

3 Claims. (Cl. 211—37)

My invention relates to improvements in shoe racks and has for its purpose the provision of a shoe rack of a knockdown type, whereby shipping and transporting or storing of the rack in a small amount of space, is facilitated.

Another object is to provide an article of the class described, which is extensible, so that it can be lengthened or shortened to accommodate the needs of the user.

It is also an object of the invention to provide a strongly constructed shoe rack, which is comprised of few parts and is of low manufacturing cost.

Other objects and advantages will more fully appear as the description proceeds.

Referring now to the drawings, which accompany and form part of this specification:

Figure 1 is a perspective view showing one form of the invention, with a pair of shoes, indicated in broken lines, in place on the rack.

Figure 2 is an end elevation of the rack shown in Figure 1, illustrating the rack attached to a closet door.

Figure 3 is a detail sectional view taken on the line 3—3 of Figures 2 and 6.

Figure 4 is a detail sectional view taken on the line 4—4 of Figures 3 and 5.

Figure 5 is a front elevation of another embodiment of the invention, and

Figure 6 is an end elevation of the rack shown in Figure 5.

Broadly, the invention comprises two bracket members, two or more crossbars, and cooperating means carried by the brackets and bars, whereby the latter can be fitted between and removably supported by the brackets.

In the form of the invention illustrated in Figures 1 and 2, each bracket 1 is formed of one piece of sheet metal, shaped to provide a short leg 2, an intermediate section 3 and a long leg 4. The ends of the legs are turned at right angles to form toes 5, and the intermediate section 3 of each bracket serves as a stop to prevent shoes slipping off the rack and can, as shown, be given an ornamental contour.

The brackets are adapted to support a plurality of crossbars or shoe rest members 6, cooperating securing means carried by the brackets and bars, being provided for this purpose. Preferably, the securing means comprises (see Figures 3 and 4) a right-angle socket insert 7 carried at the ends of each crossbar 6, and sockets 8, formed in brackets 1 for receiving the socket inserts. The sockets are formed by cutting and punching at spaced intervals, short sections of the intermediate, inclined portion 3 of each bracket. In the form shown, each bracket is provided with two sockets, arranged one above and behind the other, to receive the socket inserts of two crossbars, whereby the bars can, likewise, be arranged one above and behind the other, between the brackets.

The rack, as shown in Figure 1, is adapted to rest on the floor of a closet, or, as illustrated in Figure 2, can be attached to the inner side of a closet door, by means of screws, which can be passed through holes provided at 9 in the toes 5 of the brackets.

In the modified form shown in Figures 5 and 6, the same reference numerals are applied to similar parts. In this embodiment crossbars 6 are adapted to be fitted to and extend between brackets or end members 1*a*. Each bracket 1*a*, comprises a hairpin portion, the branches of which serve as front and rear legs 2*a*, 4*a*, respectively, and straps 3*a*, which extend between and are secured to the legs of the brackets, intermediate the ends of the legs.

The means employed for removably securing the crossbars in place are the same as those described in connection with Figures 1 and 2, each crossbar being provided at its opposite ends with a right-angle socket insert 7, receivable in a socket 8. The sockets 8, in this instance, are formed in the straps 3*a*, in the manner previously described. The straps are mounted to incline upwardly from front to rear, whereby the sockets, and likewise, the crossbars are arranged one above and behind the other. By this arrangement, the shoes can be placed on the rack in a manner which disposes them for convenient removal, when required.

Crossbars 6, are, preferably, formed flat, as is shown, and are of considerably less thickness than width. The sockets receive the socket inserts at an angle, whereby the crossbars are mounted in tilted position, so that the heels of shoes engage and hook about the thin section of the bars, and are thus easily disposed and firmly held, upon the rack.

Another feature of the invention resides in the provision of means for lengthening or shortening the rack to adapt it to closets of varying widths, or to suit other individual requirements.

As illustrated, each crossbar 6 comprises a sheath 6*a*, a bar 6*b* and an angle piece 6*c*. One section of the latter is received in and riveted in place in one end of the sheath and its other, bent, portion extends from the sheath and forms one of the socket inserts 7. The bar 6*b* of each

crossbar is adapted to slide within its sheath and is formed with a projecting end which is bent at a right-angle to form the other socket insert of the crossbar. This provides a desirable structural arrangement for an adjustable crossbar. The sheath, made of sheet metal, is easily formed, and the solid bar movable within the sheath strengthens the structure. One of the crossbar socket inserts is formed by one end of the solid bar and the other socket insert is formed by an angle piece, which is composed of the same material as that of the bar. The inserts have a high resistance to strain and will not buckle or twist due to rough usage, as, for example, may occur when inserting or removing the bars from the brackets.

Having thus described the invention, it will be understood that changes may be made in carrying the invention into effect, without departing from the principle thereof.

What I claim is:

1. A knockdown, extensible shoe rack comprising two brackets, each formed of one-piece, shaped to provide two legs terminating at their upper ends in an intermediate, inclined section, a plurality of crossbars, each comprising a sheath, and a bar movable in the sheath, and securing means including sockets formed one above the other in the intermediate section of each bracket, and socket inserts for each crossbar, one formed at one end of each movable bar and the other mounted at the opposite end of each crossbar for removably securing the crossbars to and between the brackets, one above and behind the other.

2. A knockdown shoe rack comprising two brackets, each having two legs and an inclined strap extending between and secured to said legs, a plurality of crossbars and means comprising sockets formed one above and behind the other in each of said straps, and socket inserts carried by the crossbars, for removably securing the crossbars to and between the brackets, one above and behind the other.

3. A knockdown, extensible shoe rack comprising two brackets each having two legs and an inclined strap extending between and secured to said legs, a plurality of flat crossbars, each comprising a sheath, and a bar movable in the sheath, and securing means including sockets formed one above and behind the other in each of said straps, and socket inserts carried by the crossbars, one formed at one end of each movable bar and the other mounted at the opposite end of each crossbar, for removably securing the crossbars to and between the brackets in tilted position, one above and behind the other.

SIDNEY FISCHER.