

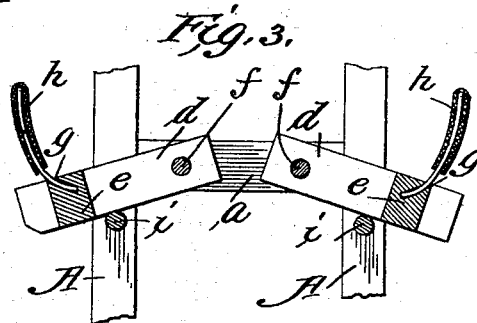
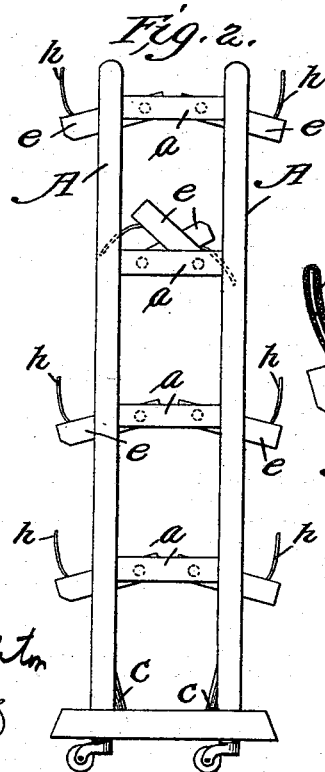
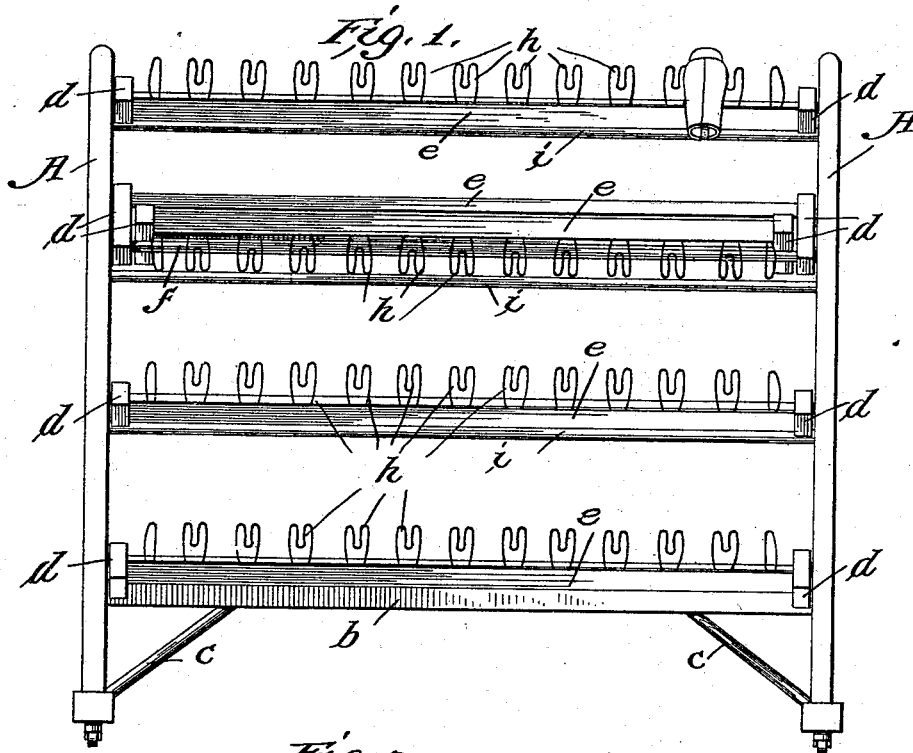
No. 647,784.

Patented Apr. 17, 1900.

F. E. ALLEN.
SHOE RACK.

(Application filed Aug. 11, 1899.)

(No Model.)



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UNITED STATES PATENT OFFICE.

FREDERICK E. ALLEN, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO FRANK E. H. GARY, OF SAME PLACE.

SHOE-RACK.

SPECIFICATION forming part of Letters Patent No. 647,784, dated April 17, 1900.

Application filed August 11, 1899. Serial No. 726,886. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK E. ALLEN, a citizen of the United States, residing at Boston, Massachusetts, have invented certain
5 new and useful Improvements in Shoe-Racks, of which the following is a specification.

My invention relates to an improved construction of shoe-rack adapted to receive shoes during the course of their manufacture,
10 and I have aimed to produce not only a simple form of rack, but one which can be reduced in size by the use of folding sections when not in use.

The invention consists in the details of construction as hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a front elevation of the rack, showing one section folded and the others extended as they appear in use. Fig. 2 is an end elevation,
20 and Fig. 3 is a sectional view.

The rack is composed of end frames A, consisting of parallel pieces extending vertically and braced by cross-pieces *a*, the parallel pieces A being supported in a base-piece, and
25 this in turn is provided with casters. The end frames are connected by horizontal pieces *b*, which are braced from the base-pieces by braces *c*. The racks are pivoted between the end sections or frames and are made double, one upon each side. Each rack is composed
30 of two end pieces *d*, connected by a longitudinal piece *e*, the inner end of the end pieces being pivoted upon a rod *f*, extending between the end frames or sections. The longitudinal piece is grooved, as at *g*, Fig. 3, and
35 this groove contains a series of spring-wire supports *h*, preferably made of one piece of wire bent into proper form and secured in the groove, though these supports may be made
40 separate. The shoes are slipped in between these spring-supports, as shown in Fig. 1. The sections on each side are just the same, except that one section is shorter than the other, so that when they are folded inwardly
45 they fold past each other. In order to support the sections when they are extended, I provide a rod *i* between the end frames, upon which parts of the folding section rest.

In order to protect the shoes from chafing,

I cover the wire *h* with rubber or some like
50 material, and, in fact, I may use the common insulated wire for this purpose. The wire can be easily separated or compressed, so as to fit any size of shoe, thus making one rack capable of use in connection with a great variety in different sizes.
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What I claim is—

1. A shoe-rack comprising rigid end frames, folding sections pivoted between the same and oppositely arranged, holding devices carried by said sections, means whereby said
60 sections may be folded upward and inward past each other to rest centrally of said frame, with said holding devices in reversed position, substantially as described.
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2. A shoe-rack comprising end frames, rods connecting said frames at opposite sides, arms hinged to the rods on each side and adapted to fold over upon the rod on the opposite side, longitudinal bars carried by said arms
70 and shoe-holding means extending upwardly obliquely from said bars, substantially as described.

3. A shoe-rack comprising end frames, rods connecting said frames at opposite sides, arms hinged to the rods on each side and adapted to fold over upon the rod on the opposite side, longitudinal bars carried by said arms and laterally-yielding shoe-supports carried by
80 said bars, substantially as described.

4. In combination, the rigid end frames, the rods extending between said frames at opposite sides, the arms hinged to said rods, the arms on one rod being outside of the arms on the opposite rod whereby said arms may
85 swing inwardly past each other, bars carried by said arms and yielding supports carried by said bars and means for engaging the outer ends of the arms to limit the outward movement of the same, substantially as described.
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In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK E. ALLEN.

Witnesses:

F. LAZZARO,

C. H. WELCH.