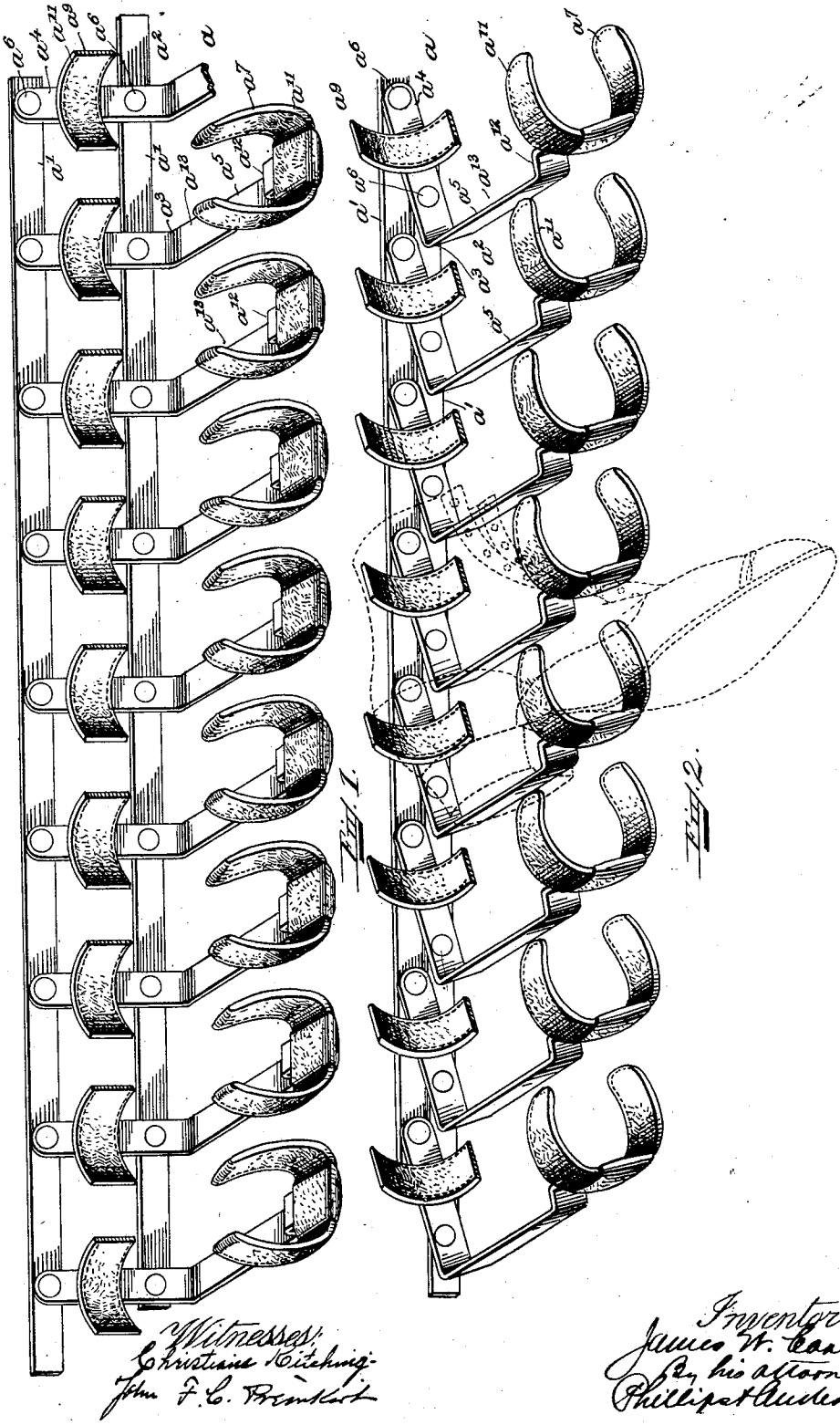
No. 678,356. Patented July 16, 1901.

J. W. CARVER.

SAMPLE DISPLAY RACK.

(Application filed Feb. 12, 1900.)

(No Model.) 2 Sheets—Sheet 1.



Witnesses:
Christiane Kitchingi
John F. C. Brinkhoff

Inventor:
James W. Carver,
By his attorneys
Phillipp & Anderson

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 678,356. Patented July 16, 1901.

J. W. CARVER.

SAMPLE DISPLAY RACK.

(Application filed Feb. 12, 1900.)

(No Model.) 2 Sheets—Sheet 2.

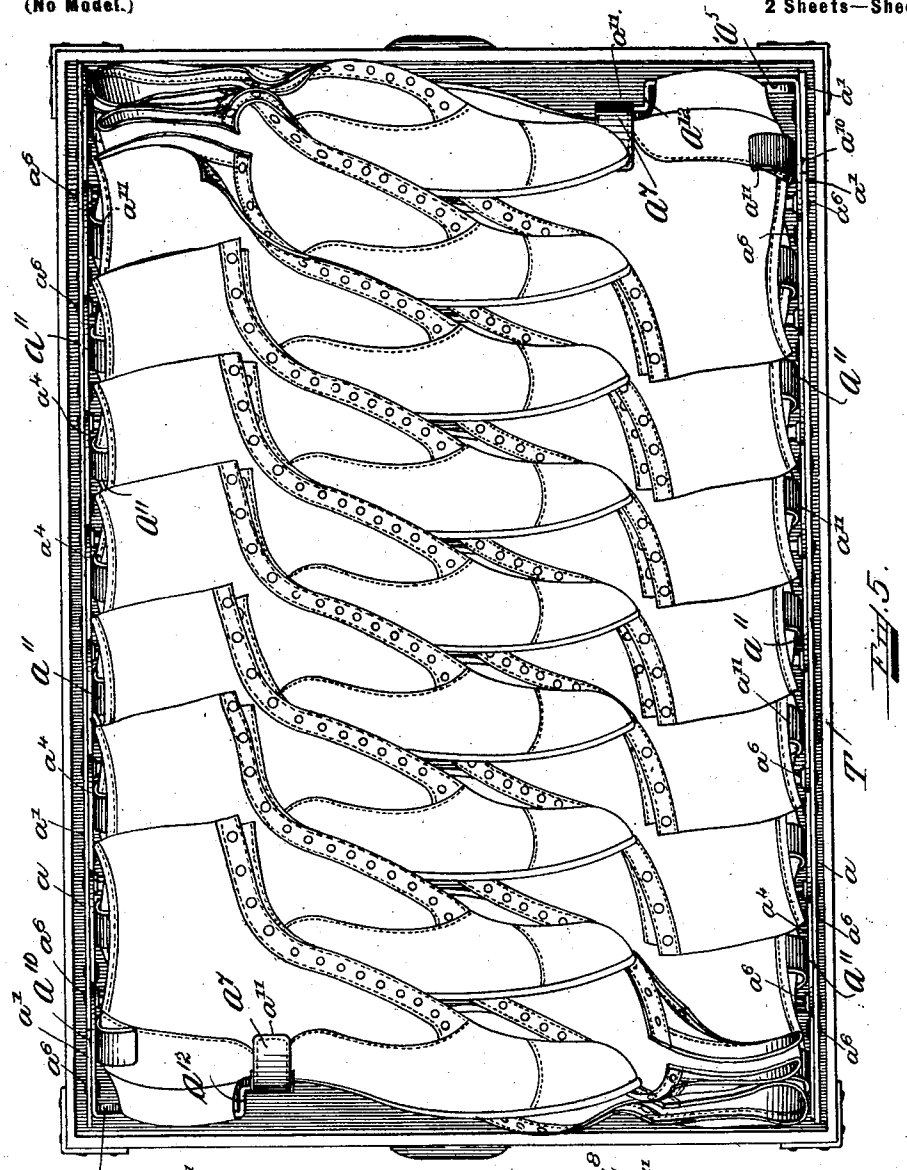


Fig. 5.

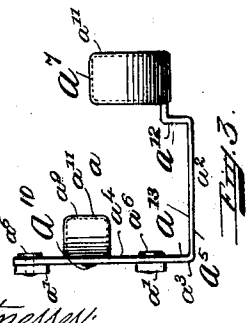


Fig. 3.

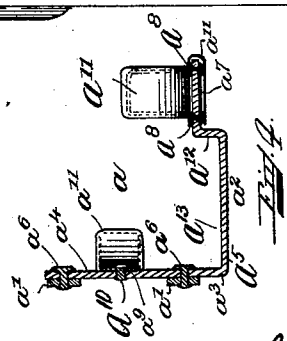


Fig. 4.

Witnesses:
Christiana Kitching.
John F. C. Kranskopf.

Inventor:
James W. Carver,
By his attorneys
Phillips & Anderson

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES W. CARVER, OF AUBURN, MAINE, ASSIGNOR TO THE BOSTON DISPLAY RACK COMPANY, OF NEW HAMPSHIRE.

SAMPLE-DISPLAY RACK.

SPECIFICATION forming part of Letters Patent No. 678,356, dated July 16, 1901.

Application filed February 12, 1900. Serial No. 4,887. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. CARVER, a citizen of the United States, residing at Auburn, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Sample-Display Racks; and I do hereby 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.

The present invention relates to folding packing-racks.

My improved folding rack is especially useful to traveling salesmen. It is well known that much time of traveling salesmen is consumed by the unpacking and repacking of sample-cases, as the various samples which he carries must be placed in the cases in a regular and predetermined order.

The object of the present invention is to make a folding packing-rack to grasp and hold a series of articles, whereby said rack may be folded, while still retaining the articles for convenience in packing and unpacking the same. The articles are held by the racks in groups, so that a rack may be removed from the case containing the same and the group of articles held thereby shown to a purchaser, and thereafter the rack, with its group of articles, may be readily and quickly repacked in the case, thus saving much time heretofore lost by the salesman in unpacking and repacking his samples.

To the above end the present invention consists of the improved folding packing-rack, which is hereinafter described, and particularly defined by the claims.

The present invention is illustrated in the accompanying drawings, in which—

Figure 1 shows in an isometric view a folding packing-rack embodying the present invention. Fig. 2 shows in isometric view the rack folded for packing, showing in dotted lines an article held therein. Fig. 3 shows the rack in end elevation. Fig. 4 shows a vertical section taken through one of the article-holders, and Fig. 5 is a diagrammatic view illustrating the tray of a trunk and showing the manner of packing the articles when held in my improved folding packing-racks.

In its broadest aspect my invention consists of a folding packing-rack provided with a series of article-holders pivoted to the frame of the rack.

My invention also contemplates a folding packing-rack having a frame, a series of article-holders pivoted thereto, and an independent device for connecting the article-holders together, so that they may all be folded and unfolded simultaneously.

My invention also contemplates certain details of construction hereinafter described.

The illustrated embodiment of the present invention shows a folding packing-rack for holding and packing shoes, and the holders thereon are particularly constructed for holding and packing shoes. I desire to state, however, that the present invention, in so far as its generic features are concerned, is not limited to a rack for packing any specific article, as it will be understood that by changing the article-holders as the case may require said rack may be adapted for holding and packing articles of various forms.

In the drawings, a represents the rack as a whole, which consists of longitudinal parallel supporting-bars a' of an indefinite length, either of which may be considered as the frame and the other as the independent connecting device, to which are pivotally secured the article-holders a^3, an indefinite number of such holders being secured to the parallel bars a'.

The article-holders in the illustrated embodiment of the present invention are formed of metal strips, each bent at a^3, forming a vertical portion a^4 and a horizontal portion a^5, the vertical portion being pivotally secured to the parallel strips a' by rivets a^6, the construction being such that a longitudinal movement of the bars a' in opposite directions will cause said bars a' to approach each other and the article-holders to turn down in the position as shown in Fig. 2, thus turning the articles down, so that they overlap each other, as shown in the diagrammatic view, Fig. 5, for convenience in packing.

When the device is arranged for holding and packing shoes, the horizontal portions a^5 of the article-holders have secured at their forward ends U-shaped, clips a^7, formed of

spring metal, secured by rivets a^8 to the ends of the horizontal portions a^5. The clips a^7 are designed to embrace the shank portion of the shoe, as shown in dotted lines, Fig. 2, and also in Fig. 5. In order to prevent the lateral displacement of the shoes in the holders, they are preferably provided with substantially U-shaped clips a^9, formed of sheet metal, secured by means of rivets a^{10} to the vertical part a^4 thereof, designed to embrace the back of the heel of the shoe, as clearly shown in dotted lines, Fig. 2, and in Fig. 5. For the purpose of protecting the shoes from damage by contact with the metal clips a^7 and a^9 said clips are preferably covered with leather a^{11} or some other suitable soft covering, which may be secured to the clips by stitching or in any other suitable manner.

In order to provide for the reception of the heel of the shoe in the sample-holders, the horizontal portions a^5 are preferably bent upward at their forward ends, as shown at a^{12}, thus forming a seat or recess a^{13} for the reception of the heel of the shoe, as clearly shown in Figs. 2 and 5. In the use of my improved folding packing-rack the shoes will be fitted into the holders as shown in dotted lines in Fig. 2 and in Fig. 5, and when the parallel bars a' are moved apart, as shown in Fig. 1 of the drawings, the rack will hold each shoe upright therein in convenient position for displaying them, and in such position each article may be readily removed from its holder for a closer inspection, as desired. When it is desired to repack the articles in the packing-case, the parrallel bars will be moved so as to approach each other, thus turning the holders to the position shown in Fig. 2, laying the articles down, as clearly shown in dotted lines in Fig. 2 and in full lines, Fig. 5, and in this position the rack will be placed in the trunk or tray T, as shown in Fig. 5, the racks being reversed, so that the shoes will nest together, as clearly shown in this view.

The rack may be made of any suitable material, but preferably of some suitable light metal, such as aluminium, which I have found is well adapted for the purpose.

Having described the construction and mode of operation of my invention, I claim as new and desire to secure by Letters Patent of the United States—

1. A folding packing-rack for shoes, having, in combination, a frame, and a series of shoe-holders pivoted to said frame, said shoe-holders comprising a vertical portion provided with a back part sheet-metal clip and a horizontal portion provided with a heel-holding recess, the clips and recesses being arranged to engage and hold a series of shoes, substantially as described.

2. A folding packing-rack, having, in combination, a frame, a series of article-holders pivoted to said frame, having means respectively for grasping and holding a series of articles, and an independent rigid connecting device for connecting together the series of article-holders to compel them to move in unison, substantially as described.

3. A folding packing-rack for shoes, having, in combination, a frame, a series of shoe-holders having means, respectively, for grasping and holding a series of shoes, said holders being pivoted to the frame and constructed to turn down to hold the shoes in position for packing and to turn up to display the same, and a rigid connecting device for connecting together the series of shoe-holders to compel them to move in unison, substantially as described.

4. A folding packing-rack for shoes, comprising parallel bars, shoe-holders, comprising a horizontal portion and a vertical portion, pivoted to said bars, a spring-clip supported on the horizontal portion to embrace the shank of the shoe and a clip mounted on the vertical portion to embrace the counter of the shoe, substantially as described.

5. A folding packing-rack for shoes, comprising parallel bars, shoe-holders pivotally supported on said bars, said holders comprising a vertical portion and a horizontal portion, spring-clips carried at the ends of the horizontal portions to embrace the shank of the shoe, and said horizontal portions having a recess to receive the heel of the shoe, substantially as described.

6. A folding packing-rack, comprising a support consisting of parallel, relatively movable bars and article-holders, each holder being pivotally secured to each of said bars and having means for grasping and holding a series of articles, substantially as described.

7. A folding packing-rack for shoes, having, in combination, a frame, a series of shoe-holders having devices, respectively, for grasping and holding the back parts and the shanks of a series of shoes, said holders being pivoted to the frame and constructed to turn down to hold the shoes in position for packing and to turn up to display the same, and a rigid connecting device for connecting together the series of shoe-holders to compel them to move in unison, substantially as described.

8. A folding packing-rack for shoes, having, in combination, a frame, a series of shoe-holders, having clips, respectively, for engaging the back parts, and recesses for holding the heels of a series of shoes, the said holders being pivoted to the frame and constructed to turn down to hold the shoes in position for packing and to turn up to display the same, substantially as described.

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

JAMES W. CARVER.

Witnesses:
FOREST E. LUDDEN,
W. T. HILDRETH.