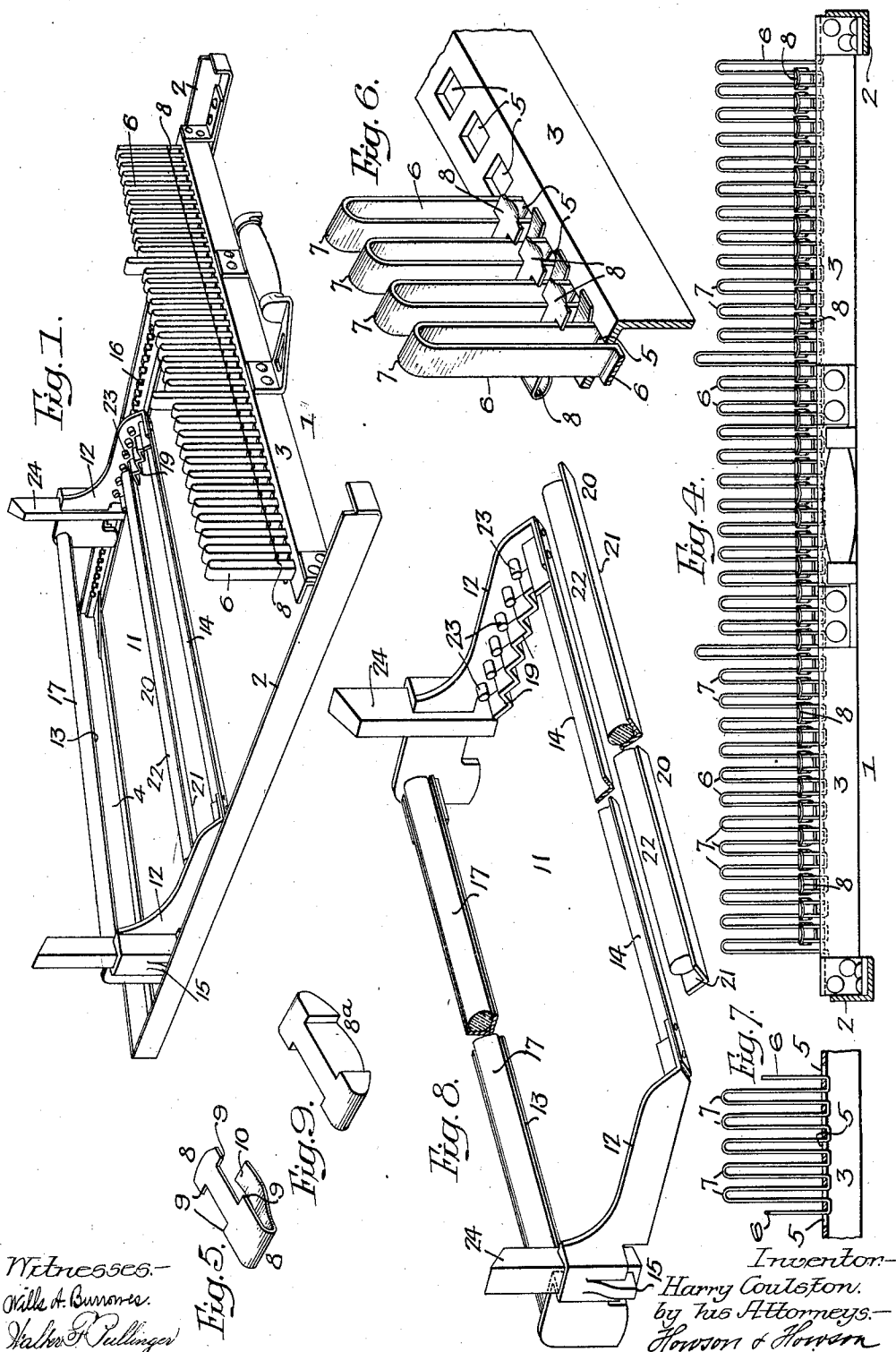


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H. COULSTON.
STOCKING DRIER.
APPLICATION FILED JUNE 20, 1912.

Patented Dec. 10, 1912.

.2 SHEETS—SHEET 1.



Witnesses:
Wm. A. Burrows.
Walker & Pullinger

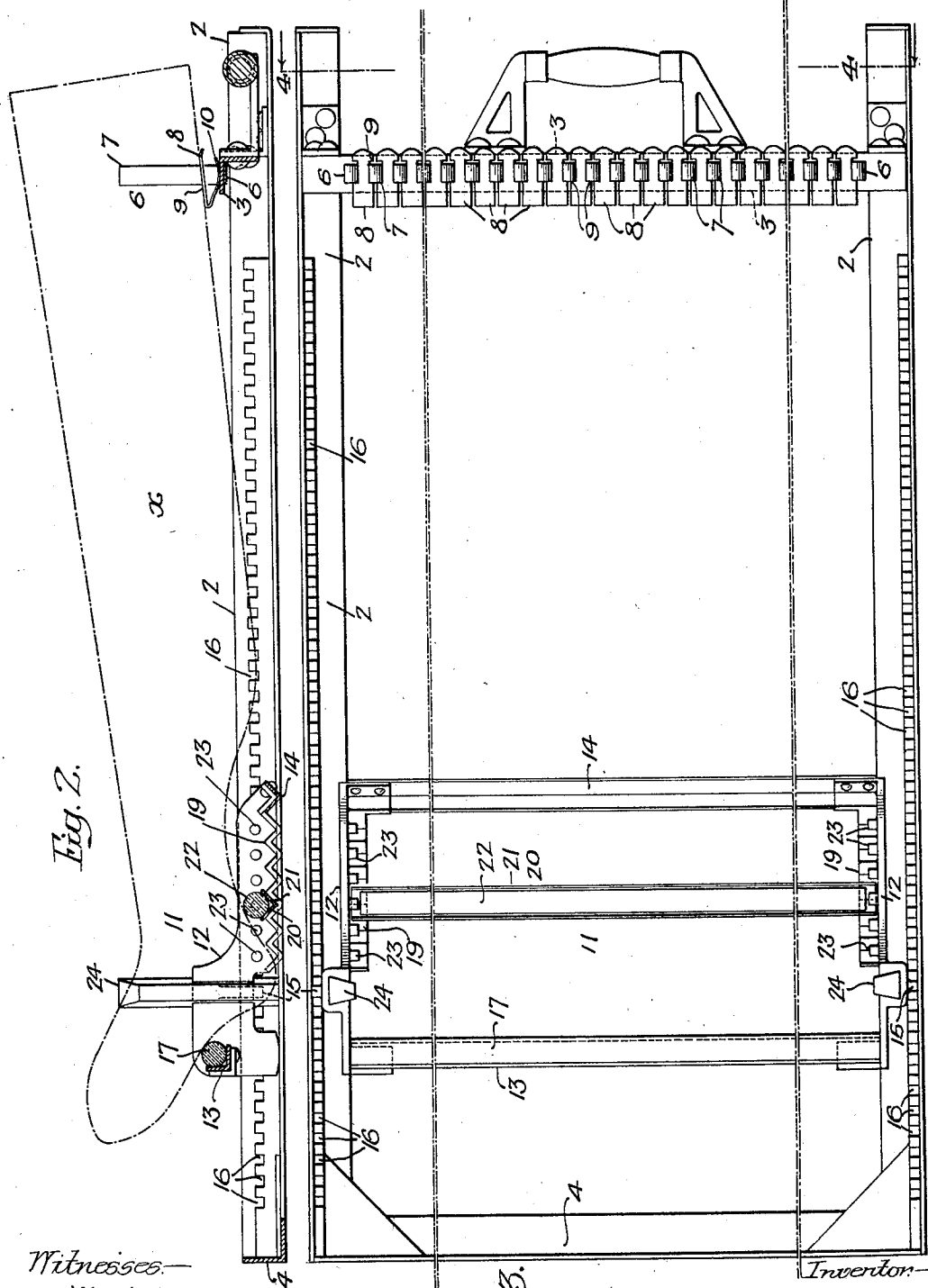
Inventor:
Harry Coulston.
by his Attorneys—
Hewson & Hewson

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2 SHEETS—SHEET 2.



Witnesses:
Willa A. Burrora
Valer P. Pullinger

Fig. 3.

Inventor:
Harry Coulston.
by his Attorneys:
Hornum & Hornum

UNITED STATES PATENT OFFICE.

HARRY COULSTON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE PHILADELPHIA TEXTILE MACHINERY COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

STOCKING-DRIER.

1,046,983.

Specification of Letters Patent.

Patented Dec. 10, 1912.

Application filed June 20, 1912. Serial No. 704,795.

To all whom it may concern:

Be it known that I, HARRY COULSTON, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Stocking-Driers, of which the following is a specification.

One object of my invention is to make a device to properly support stockings in a stocking drier; the stockings being mounted on the usual forms, or boards, made for this purpose. These forms, or boards, are mounted in a drawer, or other suitable support, and are placed in a drying chamber through which air circulates so as to dry the stockings while in a stretched condition.

Another object of my invention is to provide means for supporting the stocking forms; also to provide an adjustable rest for the foot portion of the stocking.

A further object of the invention is to provide means for properly supporting the top portion of the stocking form as it drops in between the different guides so as to reduce the wear.

A still further object of the invention is to make a yielding rest for this portion of the stocking form.

In the accompanying drawings:—Figure 1, is a perspective view of a drawer section, illustrating my invention; Fig. 2, is a longitudinal sectional view; Fig. 3, is a plan view; Fig. 4, is a sectional view on the line 4—4, Fig. 3; Fig. 5, is a perspective view of one of the yielding supports; Fig. 6, is a perspective view, showing a series of the yielding supports in position; Fig. 7, is a sectional view of a portion of the pin rail; Fig. 8, is a perspective view of the foot support with the heel support detached; and Fig. 9, is a perspective view of a modification of the support illustrated in Fig. 5.

Referring to the drawings, 1 is the frame of a drawer, which is adapted to guides in a drying compartment of an ordinary stocking drier. This frame consists of side members 2—2, connected by cross bars 3 and 4. The cross bar 3 forms the pin rail and is angular in shape and perforated at intervals, as indicated at 5. Projecting through the perforations is a metallic band, or tape, 6, bent, as clearly shown in the drawings. The portion of the band extending under the bar 3 from one slot 5 to the other is

welded to the bar by spot welding; making a very substantial construction. This tape or band extends above the cross bar 3 a sufficient distance to form lateral supports for the boards; the boards being placed between the sections 7, as clearly illustrated in Fig. 4. These sections take the place of the ordinary pins of the pin rail.

8 are a series of rests made of metal bent, as shown in Fig. 5, and having a body portion provided with shoulders 9. The body portion of these supports rests between the projections 7 of the pin rail and the shoulders 9; holding it in position. The tongue 10 extends under the body portion and forms a yielding support. When the stocking board or form x , with a stocking thereon, is dropped into the space between the projections 7 it strikes the support 8 and the shock is taken up by the spring of the tongue 10. The tongue being curved, the support also adjusts itself to the lower edge of the stocking board, as shown in Fig. 2, so as to give an extended bearing at this point to the board. In some instances, instead of the spring support 8, as shown in Fig. 5, a solid support 8^a, Fig. 8, may be used. This support has a curved bottom so as to rock on the rail. While this does not absorb the shock, due to the dropping of the board, it rocks it so that the board will have an extended bearing at the rail. At the opposite end of the drier is a supporting frame 11 for the foot end of the stocking form. This consists of two side members 12—12 connected together by an angular cross bar 13 and a bar 14. The supporting frame 11 is longitudinally adjustable on the frame of the drier so as to accommodate different lengths of stocking boards and stockings. In the present instance, each side member has a depending projection 15, which is shaped to enter any one of a series of notches 16 in a rack on each side member 2 of the drawer, so that by merely lifting the frame 11 and moving it to and from the pin rail or bar 3 the device can be adjusted to accommodate stockings of different lengths.

17 is a bar of glass or glazed wood for the support of the toe portion of the stocking. This bar rests directly above the angular cross bar 13 and in order to support the heel of a stocking form, I provide flanges

19 on each of the side members 12. These flanges have V-shaped notches in them to receive the bar 20, which supports the heel. The bar is made of a metallic angle section 5 and a round bar 22 of glass or glazed wood is mounted on the angle bar and above the notches in the flanges are projecting lugs 23, which rest over the ends of the angle bars 21; holding the heel supporting bar in 10 position, as the round bar 22 is shorter than the angle section, as clearly shown in the drawings.

24 are guide blocks of wood, or other suitable material, set in the side members 12. 15 It will be seen that I provide a suitable support for the stocking forms on which the stockings are dried. The forms can be quickly placed in position without injury and are properly supported, both at 20 the toe end and at the opposite end. Moreover, the foot support can be adjusted longitudinally so as to accommodate stockings of different lengths. The heel support can be adjusted to and from the toe support to 25 accommodate stockings of different sizes.

I claim:

1. The combination in a stocking drier, of a frame; supports for one end of the stocking forms; consisting of a cross bar 30 and a metallic band bent to form looped upright sections; the bar being slotted for the passage of the loops of the band; and said band being secured to the cross bar.

2. The combination in a stocking drier, 35 of a support for one end of a series of stocking forms, consisting of a cross bar having slots therein spaced a given distance apart; and a metallic band having portions projecting through the slots and extending up- 40 ward to form division members, that portion of the band extending under the bar being welded to the bar.

3. The combination in a stocking drier, of a support for one end of a series of stock- 45 ing forms, consisting of a cross bar; a series of dividing members thereon; and a rocker mounted between the members to support the stocking forms.

4. The combination in a stocking drier, 50 of a support for one end of a series of stocking forms, consisting of a cross bar; a series of dividing members thereon; and a rocker mounted between the members to support the stocking form; said rocker having

shoulders projecting on each side of the di- 55 viding members.

5. The combination in a stocking drier, of a cross bar; dividing members thereon spaced apart; and a yielding support 60 mounted between the guides for supporting the stocking forms.

6. The combination in a stocking drier, of a cross bar having a series of dividing mem- 65 bers thereon spaced apart to hold the stocking forms in position; a yielding and a rocking support located between the said dividing members.

7. The combination in a stocking drier, of a support for the foot end of a form, con- 70 sisting of two bars made of a poor heat conducting material and having an enameled surface; with a support for the opposite end of the form.

8. The combination in a stocking drier, of supports for one end of a series of forms; 75 an adjustable support for the foot end of the form; a cross bar on the foot end for the heel; said cross bar being adjustable on the support.

9. The combination in a stocking drier, 80 of a main frame having supports at one end spaced apart for the reception of one of the stocking forms; an adjustable frame mount- ed on the main frame and having two cross 85 bars; one for the heel and one for the toe of the stocking form; notches in the adjustable frame for the reception of the detach- able heel bar so that the bar can be moved to and from the toe bar to accommodate stock- 90 ings of different sizes.

10. The combination of a main frame having supports at one end for a series of stocking forms; an adjustable frame mount- ed on the main frame and having a lug at 95 each side; the side bars of the main frame being perforated for the reception of the lugs so that said adjustable frame can be shifted and held on the main frame; said adjustable frame having a cross bar for the reception of the foot portion of the stocking 100 form.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

HARRY COULSTON.

Witnesses:

JOS. H. KLEIN,
WM. A. BARR.