

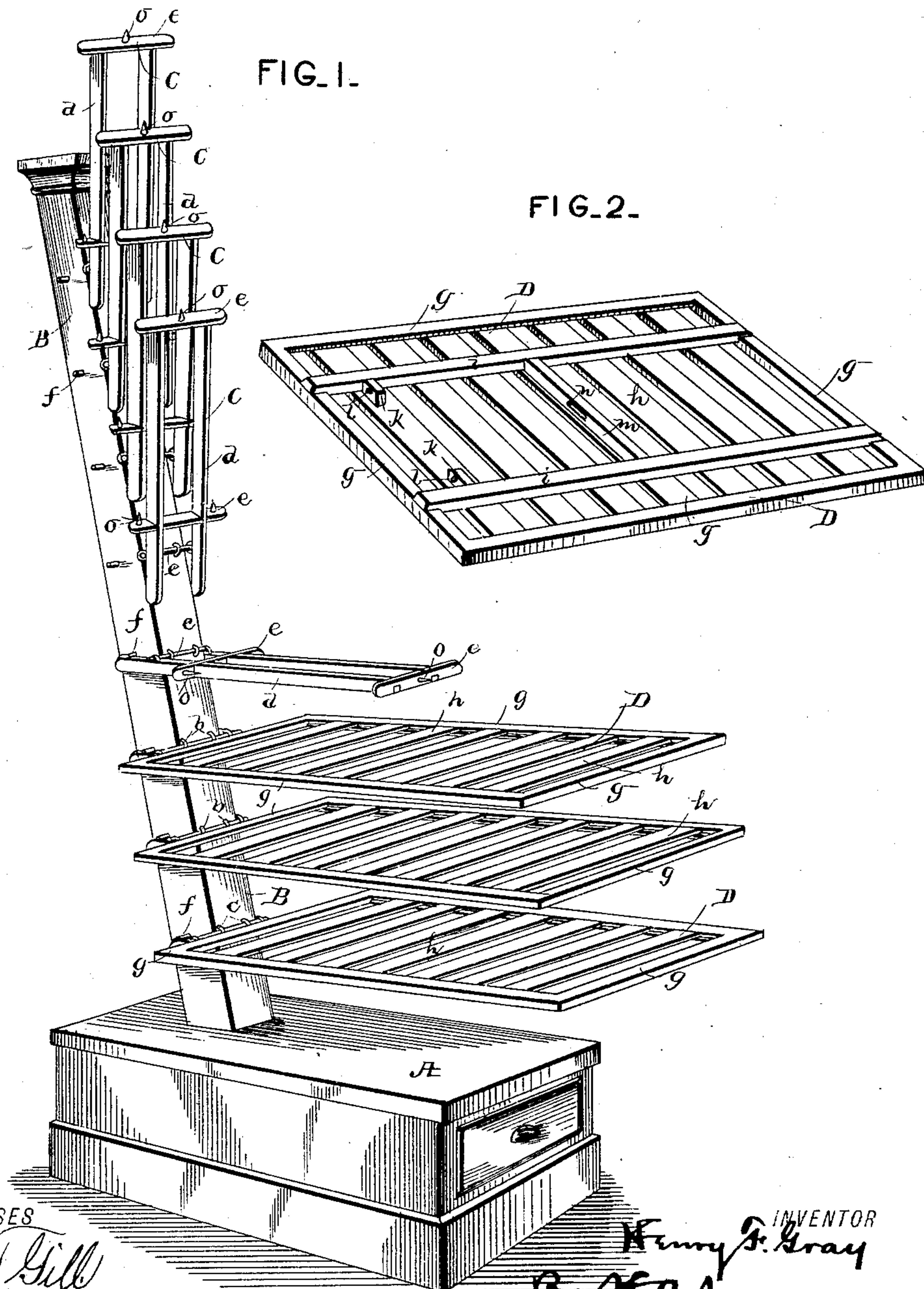
(No Model.)

2 Sheets—Sheet 1.

H. F. GRAY.
PRINTER'S DRYING RACK.

No. 315,022.

Patented Apr. 7, 1885.



WITNESSES
Wm. T. Gill
Geo. F. Downing.

INVENTOR
Henry F. Gray
By *B. H. Seymour.*
ATTORNEY

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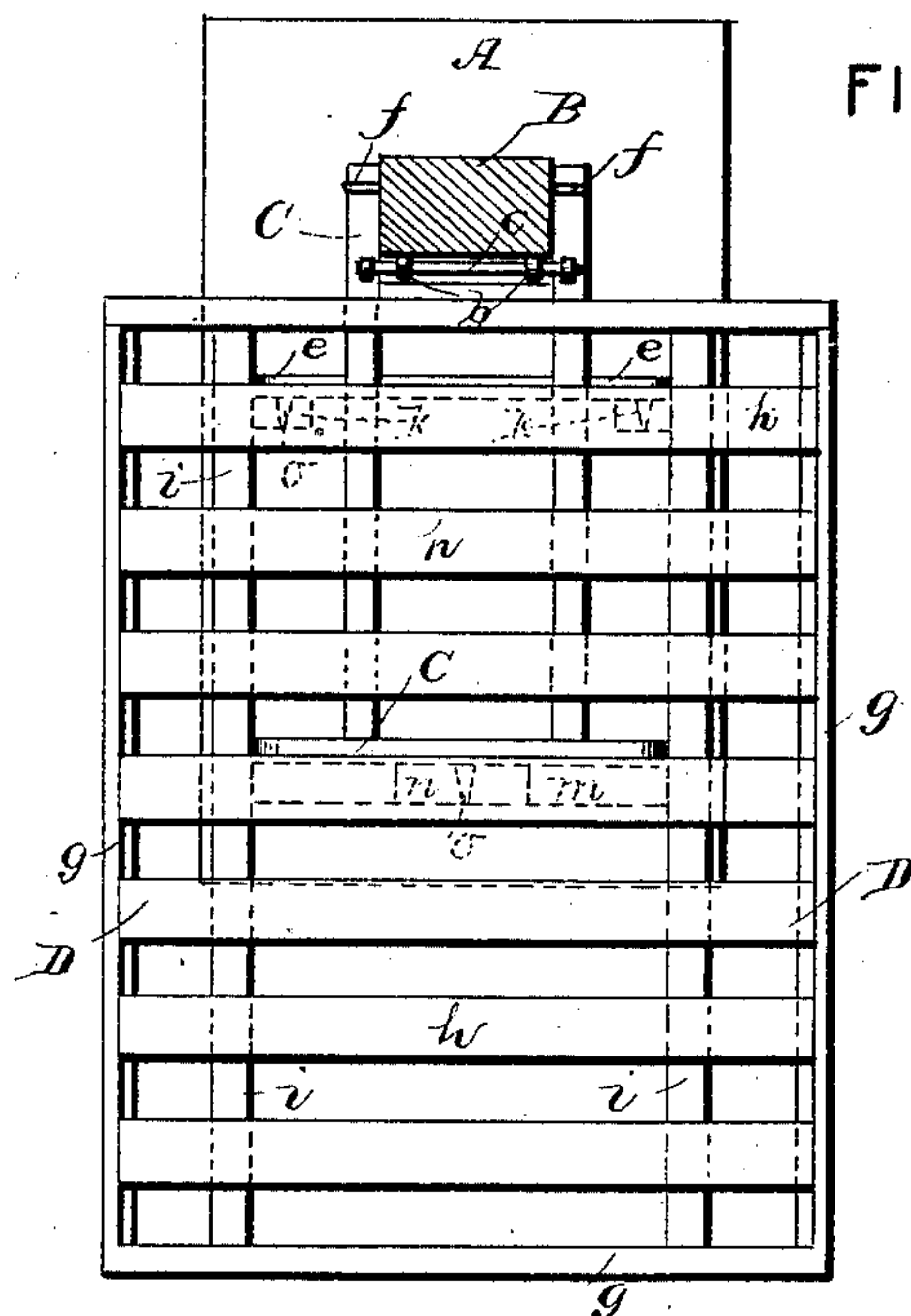
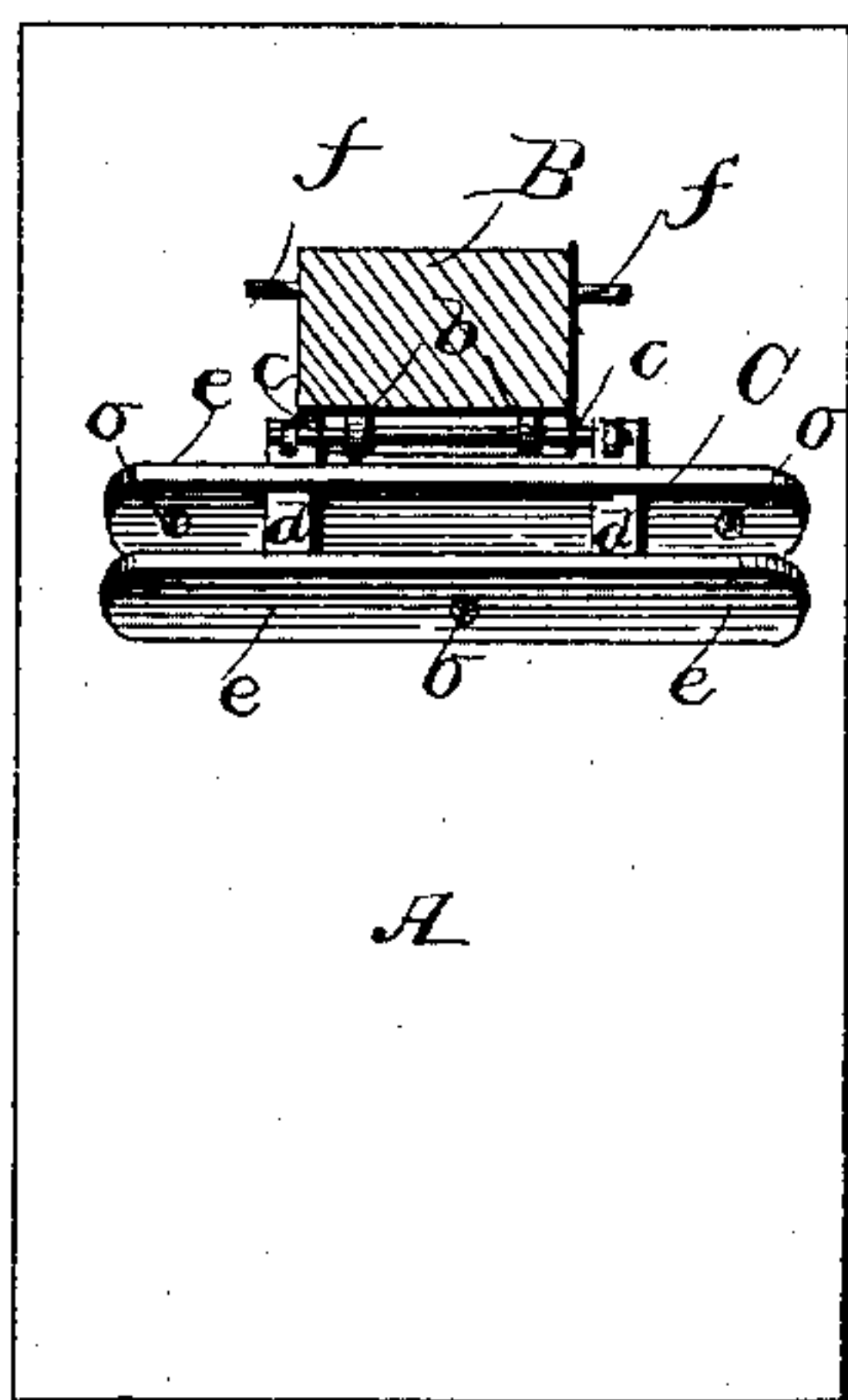


FIG. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY F. GRAY, OF COLUMBUS, OHIO, ASSIGNOR TO LEVI T. STRADER, OF
SAME PLACE.

PRINTER'S DRYING-RACK.

SPECIFICATION forming part of Letters Patent No. 315,022, dated April 7, 1885.

Application filed June 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. GRAY, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful
5 Improvements in Printers' Furniture; 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 pertains to make and use the same.

10 My invention relates to an improvement in printers' furniture, and more particularly to a rack adapted to hold and expose to the air printed sheets of paper after leaving the press, the object being to provide a rack or drier
15 which shall be simple and economical in construction, which shall require the minimum amount of room, capable of being easily moved from place to place, and adapted when not in use to be readily and easily folded up or taken
20 apart and packed in a small compass.

With these ends in view my invention consists in certain features of construction and combinations of parts, as will be hereinafter fully described, and pointed out in the claims.

25 In the drawings, Figure 1 is a view of my improved rack partly in position for receiving the printed sheets and partially in its folded adjustment. Fig. 2 is a view showing the trays removed and the hinged frames partly
30 infolded adjustment and partly in position for supporting the trays. Fig. 3 is a plan view showing the frame in open adjustment, and Fig. 4 is a similar view of the trays in folded adjustment.

35 A represents a base or support of any suitable material and dimension, and to which is secured a standard or post, B, placed on an incline to avoid falling over when the material to be dried is placed on the shelves se-
40 cured thereto.

To the sides of the slanting post B, at regular intervals apart, are secured the supports or frames C, preferably attached to the post by means of staples *b* secured therein, through
45 which loosely passes a metal rod, *c*, each secured at its ends to the upper surface of the frame C, which latter consists of the two side bars, *d*, and the end bars, *e*, the rear ends of the side bars, *d*, extending back to the rear
50 edge of the post B, and when in a horizontal

position strike on their upper faces against lugs or pins *f* projecting out beyond the sides of the post B. This construction allows the frames to be turned up in a vertical position, and when let down are retained in a horizontal
55 position by means of the pins or stops *f*. When the frames are in their raised position, the rear ends of the side bars will be forward of the front face of the post, and by pushing the frame a slight distance to one side the end of one of
60 said side bars will be brought in front of the post and bear thereon, and thus hold the frame in its elevated position. By pushing the frame back to its original position it will fall by gravity to its horizontal position.

65 D represents a shelf or tray adapted to be removably secured on the frames C, said tray consisting of the outer frame, *g*, and the cross-pieces *h*, secured to the frame *g* at suitable intervals apart, thus forming an open-work shelf
70 through which the air may readily circulate.

On the under side of the shelf are secured the pieces *i*, running the length of the tray and parallel with the longer beams of the frame *g*. On one of the pieces *i* are secured
75 the blocks *k*, provided with a hole or perforation, *l*, and about midway the length of the tray, on one of the pieces *h*, is secured a stop, *m*, secured at its ends to the beams *i*, said strip *m* being also provided with a perfora-
80 tion, *n*, the said perforations being adapted to receive pins or projections *o*, secured to the outer ends of the rear end piece *e*, which project beyond the frame, and a pin, *o*, secured in the center of the forward end piece *e*. The
85 tray is laid on the frame with the outer ends of the pieces *e* striking against the beams *i*, and then pushed against the post, the pins *o* entering the perforations *l* and *n* and holding the tray in position. These trays are easily
90 placed in position and removed, and when not in use may be packed within a small compass. The trays may be removed from the rack and filled at the press with printed matter to be dried, and then placed in position in the rack.

95 If desired, the base A may be provided with casters or rollers, thereby adapting it to be easily moved from place to place. When the trays are in position on the frames, the latter may be raised and held in their elevated ad-
100

justment, as before described, thus holding the tray up out of the way and occupying but a small amount of room.

5 The base may also be provided with a drawer for the reception of inks, rollers, or other articles.

My invention is exceedingly simple in construction, and being constructed of open-work allows the paper to dry quickly.

10 As slight changes might be resorted to without departing from the spirit of my invention, I would have it understood that I do not limit myself to the exact construction shown and described, but consider myself at liberty to
15 make such changes as fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

20 1. The combination, with a base and a post secured thereto, of a frame hinged to the post with the ends thereof extending rearwardly along the sides of the post and constructed to be tilted upwardly and moved laterally, where-
25 by one of the rearwardly-projecting ends of said frame is brought in front of the post for the purpose of holding the frame in elevated or closed positions, substantially as set forth.

30 2. The combination, with a post secured to a suitable base, of frames pivotally secured at suitable intervals apart to the post with the ends thereof extending rearwardly along the sides of the post, the pivotal connections or

hinges for securing the frames to the post being constructed to permit the frames to be
35 moved laterally when in their elevated position, whereby one of the rearwardly-projecting ends of each frame is brought in front of the post for the purpose of holding the frames in elevated or closed positions, substantially
40 as set forth.

3. The combination, with an inclined post secured to a base, of frames, hinges pivotally securing the frames to the post and constructed
45 to permit the frames when in their elevated position to be moved laterally and retained in that adjustment, said frames being provided with pins or projections on their end beams, and trays fitting on said frames and provided with
50 perforations adapted to receive the said pins or projections, substantially as set forth.

4. The combination, with a base, the post secured thereto and provided with the laterally-projecting pins, and the laterally-movable
55 frames pivotally secured to the post and having rearwardly-projecting ends, of the trays removably secured to the frames, all of the above parts combined and operating substantially as set forth.

In testimony whereof I have signed this
60 specification in the presence of two subscribing witnesses.

HENRY F. GRAY.

Witnesses:

DAVID E. PUTNAM,
WM. R. WALKER.