

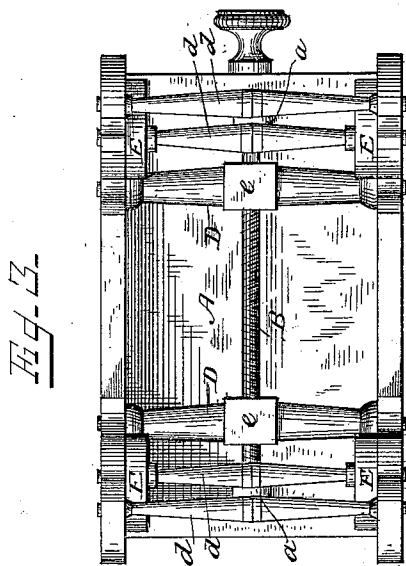
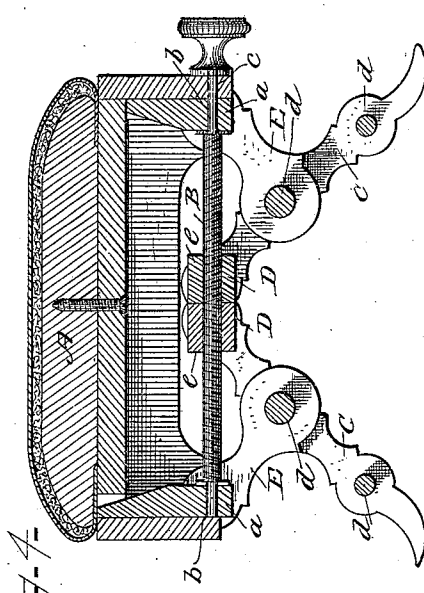
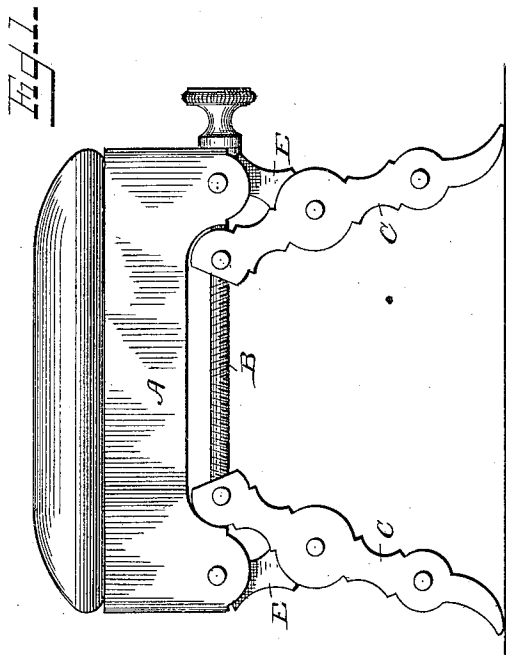
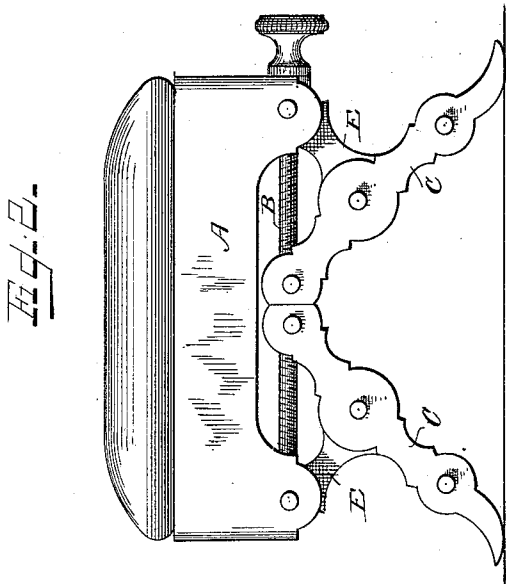
(No Model.)

H. W. HADLEY.

PIANO STOOL.

No. 308,155.

Patented Nov. 18, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

HORACE W. HADLEY, OF ORANGE, MASSACHUSETTS.

PIANO-STOOL.

SPECIFICATION forming part of Letters Patent No. 308,155, dated November 18, 1884.

Application filed February 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, HORACE W. HADLEY, a citizen of the United States, residing at Orange, in the county of Franklin and State of Massachusetts, have invented a new and useful Improvement in Piano-Stools, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to piano-stools; and it has for its object to provide improved means for vertically adjusting the same to suit the convenience of the user.

A further object of the invention is to provide a piano-stool which shall be simple in construction and effective in operation.

With these ends in view the invention consists in the improved construction and combination of parts, hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a side elevation showing the stool lowered. Fig. 2 is a side elevation showing the stool raised. Fig. 3 is a bottom view, and Fig. 4 is a longitudinal section.

In the accompanying drawings, in which like letters refer to corresponding parts throughout the several figures, A represents the upper or seat portion of the stool, which is preferably of the form shown. Upon the inner sides of the ends of the stool-frame are provided brackets *a*, which are provided with perforations or openings *b*.

B represents a rod, which is mounted in the brackets *a*, and is adapted to turn loosely therein. One end of this rod B projects a slight distance beyond the end of the stool-frame, passing through a perforation or opening, *c*, formed therein, and is provided upon said end with a disk or burr for operating the said rod B. This rod B is screw-threaded its entire length, the threads running in opposite directions from a point about the center to the ends of the rod—that is, one half of its length is provided with a right-handed screw-thread, while the other half is provided with a left-handed screw-thread, for a purpose to be explained.

C represents the supporting-legs, which are braced at their lower ends and at about their center with rods *d*. Upon the upper ends of

the legs C are provided braces D, which are formed at about their centers with enlarged portions, *e*, which are provided with screw-threaded openings, through which passes the rod B. These screw-threaded perforations or openings are formed one with a right and the other with a left hand thread to correspond to the threads cut upon the rod B.

E represents braces, which are pivoted at their upper ends to the inner sides of the top portion or frame A, near the ends thereof. The lower ends of these braces E are pivoted to the central bracing-rods adjacent to the inner sides of the supporting-legs C.

The operation is as follows: When it is desired to raise the seat or top portion of the stool, the disk or burr upon the end of the rod B is turned to the right, causing the supporting-legs to be drawn apart or toward the ends of the stool, and thus raising the seat. When it is desired to lower the seat, the rod B is reversed, or turned in the opposite direction, causing the legs to be drawn together at their upper ends, and thus lower the seat. It will therefore be seen that to raise or lower the seat of the stool to suit the convenience of the user it is only necessary to turn the rod B, which may be accomplished while the operator is seated. It will also be apparent that the stool above described is simple in its construction, and that the means for raising or lowering the seat of the same are simple in their construction and effective in their operation.

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

1. As an improvement in piano-stools, the combination, with the seat-frame, of the supporting-legs provided at their upper ends with braces having threaded openings, a threaded rod passing through the openings and mounted at its ends in the seat-frame, and braces pivoted to the seat-frame at one end and to the legs at the other end, the legs thereby being pivoted independent of each other, as and for the purpose set forth.

2. The combination, with the seat-frame provided with depending brackets at its ends, of the supporting-legs having a brace-rod, *d*,

and provided at their upper ends with braces
having screw-threaded openings, a screw-
threaded rod passing through said threaded
openings and mounted loosely in the brackets,
5 and braces pivoted to the seat-frame at one
end and to the rod *d* at the other end, near
the central portion of the leg, as set forth.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
presence of two witnesses.

HORACE W. HADLEY.

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Witnesses:

WILLIAM W. WATERS,
C. EDWARD MACK.