(No Model.) 2 Sheets—Sheet 1.

H. STRETCHER.

PIANO PEDAL STOOL.

No. 345,005. Patented July 6, 1886.

Fig. 2.

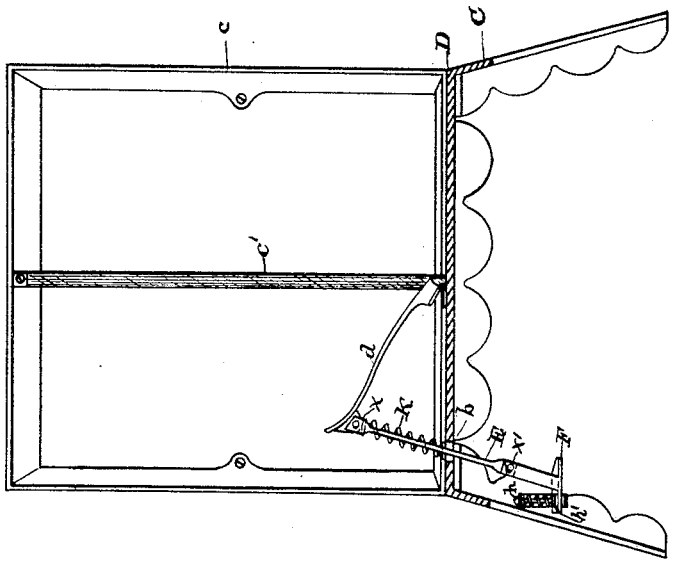
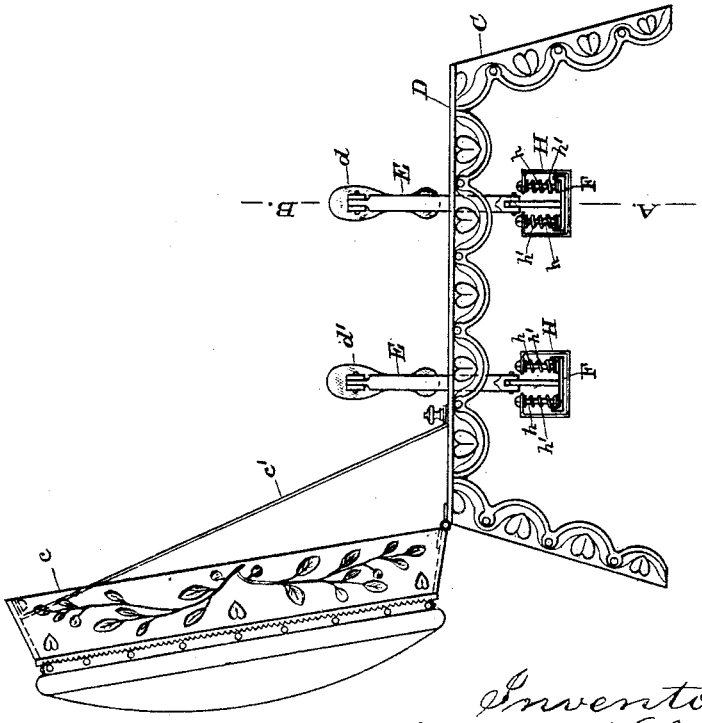


Fig. 1.



Witnesses:
[illegible]
Walter Allen

Inventor:
Howard Stretcher
By Knight Bros.
Assoc. Attys

N. PETERS. Photo-Lithographer. Washington, D. C.

(No Model.)

2 Sheets—Sheet 2.

H. STRETCHER.

PIANO PEDAL STOOL.

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Fig. 3.

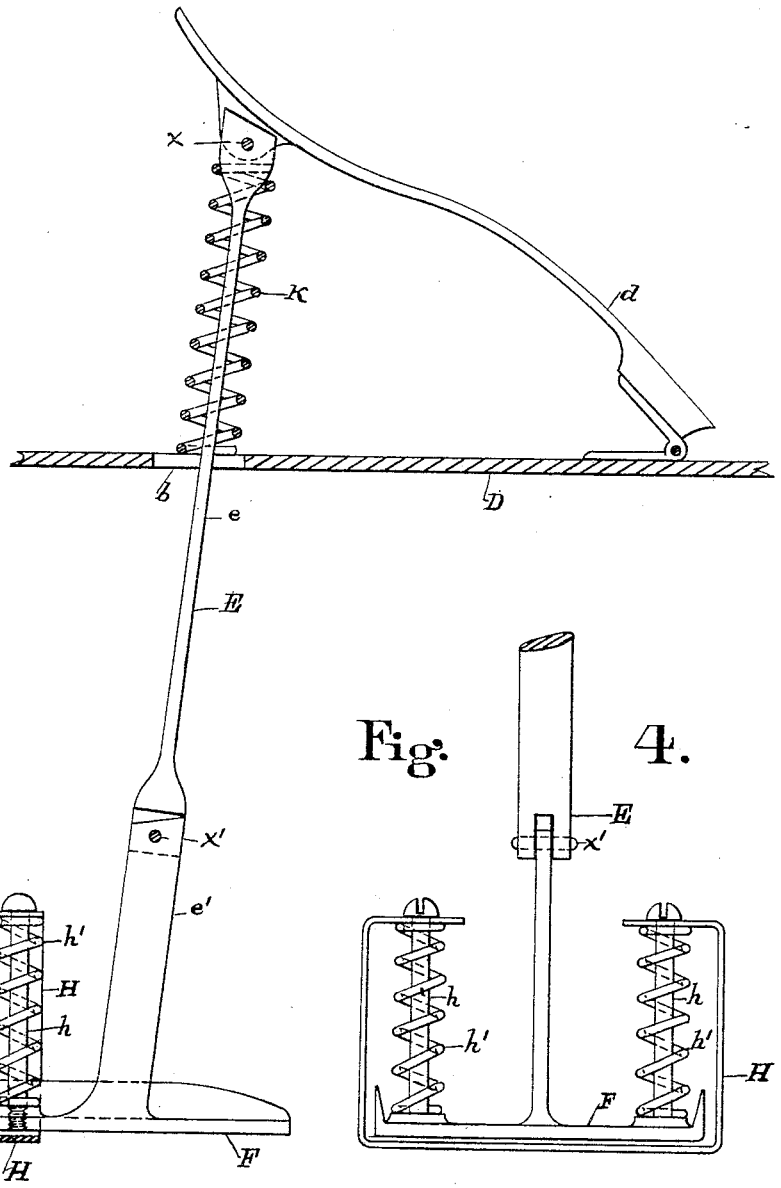

Fig. 4.

Attest.

W. H. Rosewarne

Rufell P. Cooke.

Inventor.

Howard Stretcher

By Jos tha Garrard

His Attorney.

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

HOWARD STRETCHER, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF TO JAMES A. DONOHUE, OF SAME PLACE.

PIANO-PEDAL STOOL.

SPECIFICATION forming part of Letters Patent No. 345,005, dated July 6, 1886.

Application filed October 17, 1885. Serial No. 180,103. (No model.)

To all whom it may concern:

Be it known that I, HOWARD STRETCHER, of Cincinnati, Hamilton county, State of Ohio, have invented a new and useful Improvement in Piano-Pedal Stools, of which the following is a full, clear, and exact specification, reference being had to the accompanying drawings, forming part of this statement of invention, in which—

Figure 1 is a front elevation of my invention. Fig. 2 is a section through the line A B, Fig. 1. Fig. 3 is a view in detail of treadle connecting-rod, vibrating foot, clamp, and springs. Fig. 4 is a front view of the parts shown in Fig. 3.

Similar letters of reference in the several drawings denote the same parts.

My invention is a device by which children are enabled to more conveniently use the pedals of a piano. Pianos being built for the use of grown people, children must either use a seat too high for their feet or too low to bring their hands to a proper level.

The object of my invention is to obviate these inconveniences.

My invention consists, reference being had to the accompanying drawings, of a stool, C, having the cover *c* hinged to one side. This cover, when open, may be held in a raised position by a strap, *c'*; or it may have hinges which hold it up when open. This stool, when not in use on the pedals of a piano and the cover *c* is down, presents the appearance of and may be used as an ordinary stool. This stool C has a base-plate, D, to which are hinged foot-plates *d d*.

E E are connecting-rods consisting of the members *e* and *e'*. These rods pass through the base-plate D by a slot, *b*. The members *e* and *e'* are connected by a joint at *x'*, which allows the members to come together at an angle which makes the rod E almost straight. The rod E is shown in the drawings as straight. It may, however, show an angle at *x'*, and the members *e* and *e'* of the rod E change position relative to each other by a movement in but one direction—viz., toward the rear. The member *e* of the connecting-rod E is hinged to the foot-plates *d d* at *x*. This hinge is also limited in its movement to one direction. The member *e'* of the connecting-rod E is rigidly attached to pedal-plates F F at an angle with said plates.

Movable clamping-bands H H pass under the pedal-plates F F, and are secured to said plates by the screws *h h*. Spiral springs *h'* rest at one end on the plates F F and on the upper ends of the bands H H. These springs serve to hold the plates F F and the clamping-bands H H together at any desired tension.

Operation: The stool is placed, with the cover raised, in front of the pedal of the piano. The pedals are then passed between the plates F F and the clamping-bands H H. The stool is thus held firmly to the pedals. The child using the pedals now places her feet on the foot-plates *d d*, and from time to time, as the music requires, presses these plates down. This pressure is communicated, through the connecting-rod E, to the plates F F, and thus to the pedals of the piano. The joint at *x* and the slot *b* in the base-plate D allow the rod E to partake of the forward and downward movement of the foot plate or treadle *d*, and the joint at *x'* allows a downward movement of the plate F, while the member *e'* of the connecting-rod E' is held at its fixed angle with the said plate. A spiral spring, K, is placed about the rod E, and rests at one end on the base-plate D. Its other end has an abutment near the top of the rod E. The function of this spring K is to assist the pedal-spring in recovery of the pedal after pressure, and to restore the foot-plate to its first operative position.

I am aware that piano-pedal stools have heretofore been made, but am not aware of any that have a cover for the treadles.

What I claim as new is—

1. In a piano-pedal stool, the combination of the foot-plate *d* and the connecting-rod E, having the members *e* and *e'* connected by a one-way hinge, said rod E being connected to the foot-plate *d* by a one-way hinge, substantially as shown and described.

2. In a piano-pedal stool, the combination of the member *e'* of the connecting-rod E with

the pedal-plate F, the clamping-band H, the screws *h h*, and the spiral springs *h'*, substantially as described.

3. In a piano-pedal stool, the connecting-rod E, having a one-way joint, as at *x'*, and pivoted to the foot-plate by a one-way joint, substantially as described.

The foregoing specification of my invention signed by me this 2d day of October, A. D. 1885.

HOWARD STRETCHER.

Witnesses:
P. J. CADWALLADER,
JEPTHA GARRARD.