

No. 704,498.

Patented July 15, 1902.

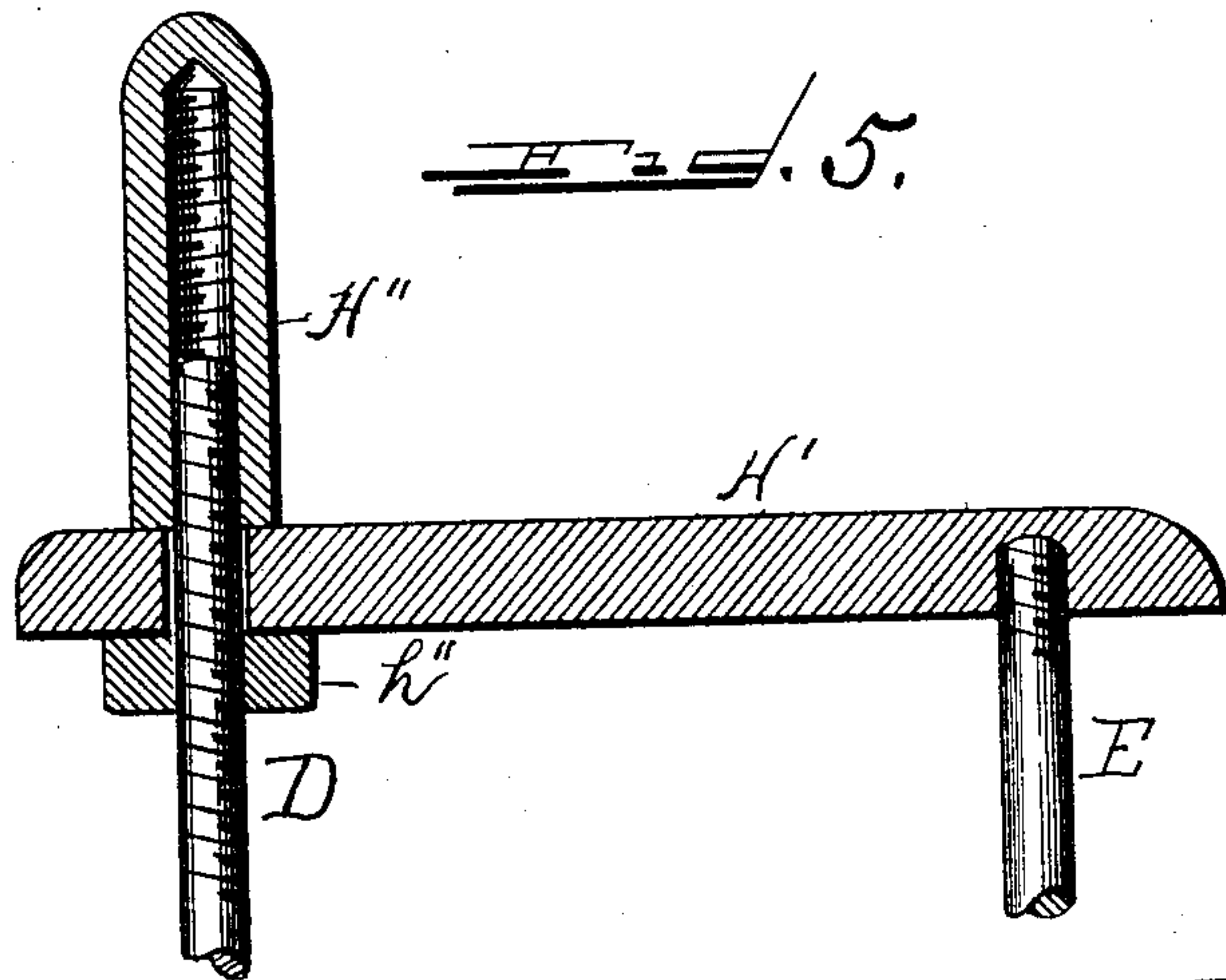
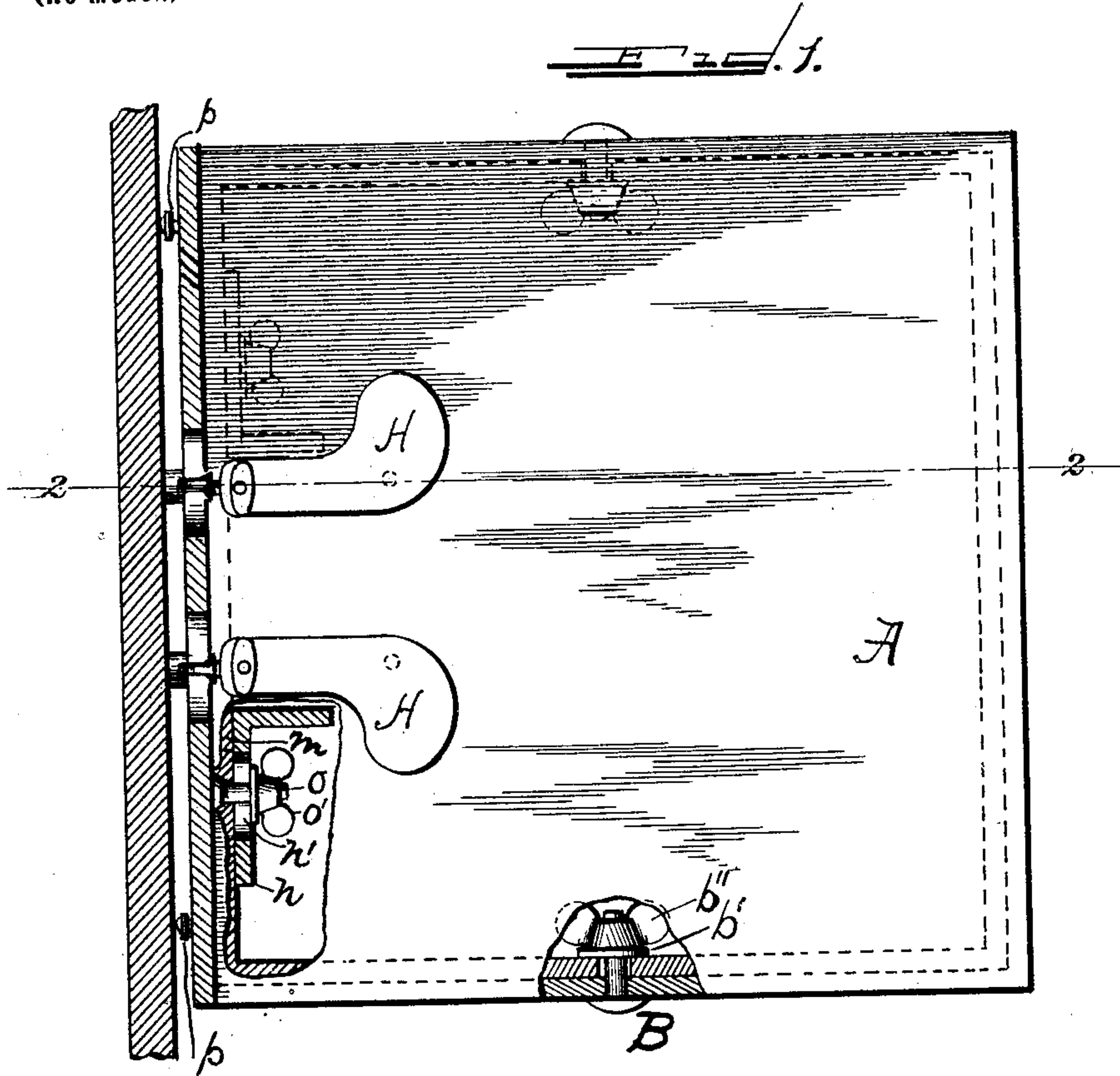
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FOOT REST AND PEDAL EXTENSION FOR PIANOS.

(Application filed Mar. 26, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES

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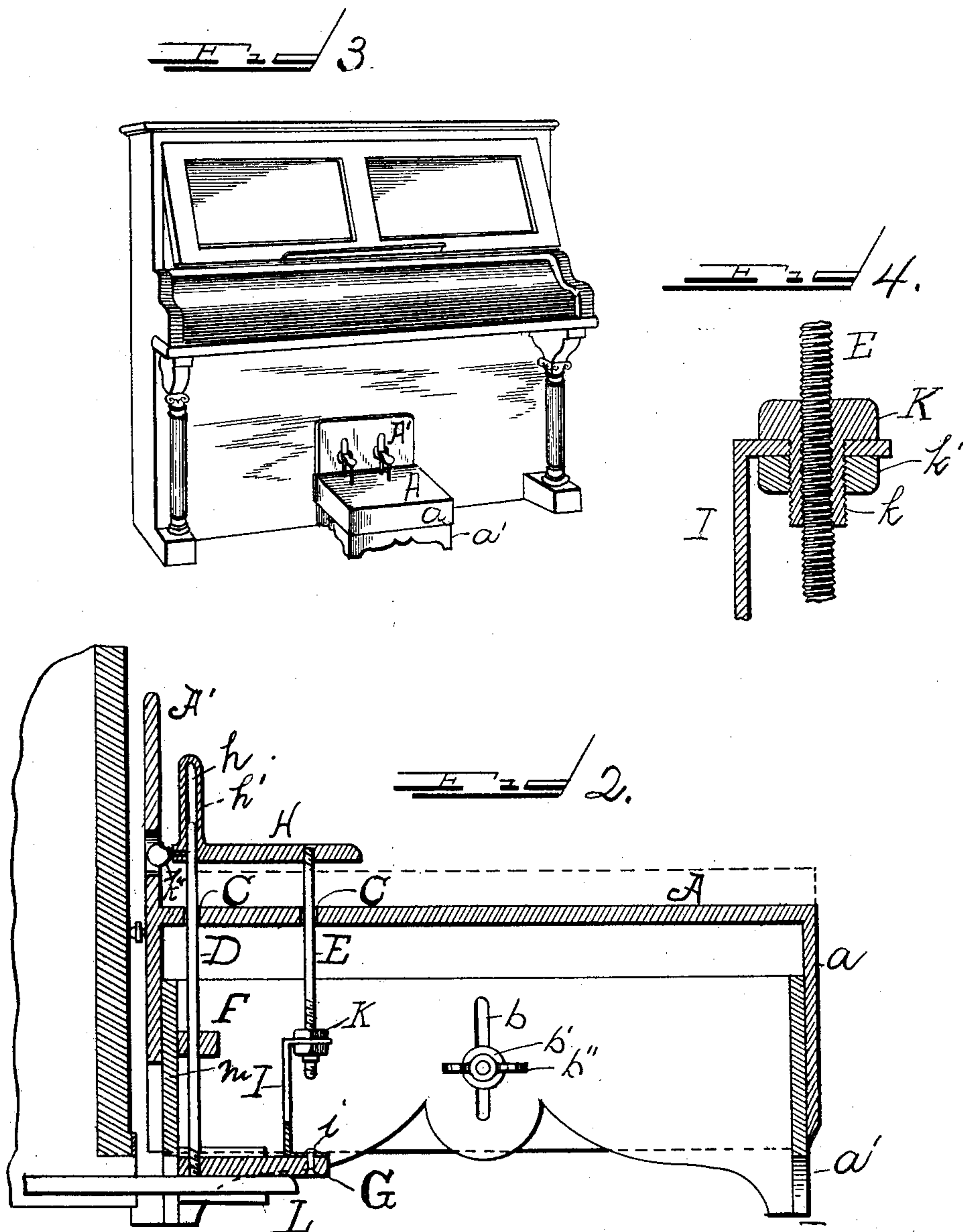
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WITNESSES

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# UNITED STATES PATENT OFFICE.

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## FOOT-REST AND PEDAL EXTENSION FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 704,498, dated July 15, 1902.

Application filed March 26, 1901. Serial No. 52,899. (No model.)

*To all whom it may concern:*

Be it known that I, ALONZA M. BATES, a citizen of the United States of America, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Foot-Rest and Pedal Extension for Pianos, of which the following is a specification.

My invention relates to supplemental foot-stool and pedal attachments for pianos; and the object thereof is to provide a foot-support for children which shall be adjustable to different heights, protect the instrument from injury by the feet, and in connection and in combination therewith to provide adjustable pedal extensions by which the pedals of the instrument may be operated.

To operate the pedals of a piano properly and to enable the performer to have complete control thereover, so as to obtain the full effect therefrom, the heel of the foot should be placed upon a solid foundation, so as to support and steady the body, while the pedal is operated by the muscular movement of the front part of the foot from the ankle of the performer. The pedals of a piano are placed at such a height from the floor that this condition obtains in the case of adults of normal size; but children and short-limbed persons seated on a stool at the proper height to have the hands or arms in proper relation to the keyboard either cannot reach the pedals at all or reaching the same with the toes do not have the body properly supported from the heel.

My invention obviates the difficulties above described and is fully set out and described in the specification following, reference being had to the drawings, in which—

Figure 1 represents a top view of my invention, portions being broken away to disclose the constructive features underneath. Fig. 2 is a section of Fig. 1, taken from front to rear longitudinally through one of the pedals. Fig. 3 represents a perspective view of the same, together with a piano to which it is applied. Fig. 4 shows one form of adjustment of the pedal-extension rods, and Fig. 5 represents an alternative form of construction of the extension-pedal.

Further describing my device with reference to the drawings, in which like letters of reference denote like parts throughout, A is the platform of an adjustable stool or foot-rest, composed of two parts *a*, which may be in the form of an inverted box, and a base *a'*, comprising a suitable framing, and legs attached thereto which are fitted within the upper portion and made to telescope therein. A footboard A' projects upwardly from the rear of the platform A at right angles thereto and forms a protection for the front of the instrument against accidental marring or injury by the feet of the performer. A practical form of adjustment for the two parts with relation to each other is provided in the bolt B, which passes through an opening in the part *a* and a vertical slot *b* in the framing of the part *a'* and which is provided with a washer *b'* and a wing-nut *b''*, by which the two parts may be firmly clamped together. Pairs of apertures C, corresponding in number to the number of pedals on the piano to which my device is to be fitted, are provided in the upper portion A of the adjustable stool. Pedal-actuating rods D and E are passed vertically through the said apertures, D acting as a guide and to steady the action of the mechanism, while E is provided with an adjustment, as hereinafter described. A guide or bearing F for the rod D and through which it passes is secured to the lower portion *a'* of the stool. The lower end of said rod is secured to a pedal-actuating foot or block G, and the upper portion thereof is socketed in the hollow portion *h* of the toe-rest *h'* on the pedal extension H. The upper portion of the rod E is rigidly secured to the pedal extension H and is threaded at its lower extremity, which passes through an eye in the clip I. A nut K is screwed on the rod E and is provided with the externally-threaded sleeve or nipple *k*, to which in turn is fitted the nut *k'*. The eye in the clip I is sufficiently large to permit the nipple *k* to pass therethrough, so that when the nut *k'* is turned up thereon the clip will be rigidly held in position. The lower part of the clip I is secured to the block G by the rivet *i* or other suitable means. The pedals L of the piano pass through a suitable



opening in the rear portion *m* of the stool-base *a'*. Guides or stops *n* are placed within the structure and secured thereto by a clamping-screw *o* and wing-nut *o'*, so as to come in  
5 close proximity to or to rest lightly against the pedals on either side when properly adjusted. A slot *n'* in the stop *n* provides means for adjusting the stop to the piano-pedals on either side, so that the entire structure will  
10 be held rigidly in position thereby. Cushion-studs *p* or other suitable means are provided to keep the structure out of contact with the piano-body to prevent resultant injury by crowding of the foot-rest against it.

15 In the use of my invention the desired height of the stool or foot-rest is first determined, and the two parts are fixed in rigid relation to each other by the bolts *B* and the wing-nuts *b'* or such other means for securing the same as may be desired. The stops  
20 *n* are adjusted to the pedals of the instrument on either side thereof. The proper height of the block *G* at which it would normally rest upon the piano-pedal *L* being determined, the proper distance therefrom of the  
25 extension-pedal *H* and of the latter to the top *A* of the footstool is fixed by means of the adjusting-nuts *K* and *k'* on the rod *E*. The variations in the rod *D* with reference to the extension-pedal *H* and the overplus there-  
30 of are provided for in the socketed or hollow portion *h* of the extension-pedal *H*. Additional rigidity may be given thereto, if desired, by the set-screw *k''*, access to the same  
35 being given through suitable and corresponding apertures in the footboard *A'*.

An alternative form of adjustment for the rod *D* is shown in Fig. 5, in which the extension-pedal is formed in two parts *H'* and *H''*.  
40 The foot portion *H'* is apertured to allow the passage therethrough of the rod *D*, which is externally threaded. The toe-guard *H''* is made in a separate piece and internally threaded to screw over the end of the rod *D*  
45 as the same may be projected upwardly by the adjustment of the rod *E*. A supplemental nut *h''* is screwed on the rod *D* below the foot portion of the pedal and may be adjusted to  
50 rigidly secure the same against the lower portion of the toe-guard *H''*.

I have described my invention with reference to practical and operative embodiments thereof, as shown in the drawings.

I do not limit myself to the forms of construction shown; but

I claim, and desire to secure by Letters Patent, the following:

1. In combination with a piano and the pedals thereof, a foot rest or stool, means for adjusting the upper portion thereof to vary-  
60 ing heights, extension-pedals, pedal-engaging feet, rods supported by said stool to connect each of said feet to the extension-pedals, and means for adjusting the length of said rods,  
65 substantially as shown and described.

2. In a foot stool or rest for pianos having a base and top relatively adjustable to each other and adjustable pedal-moving mechanism mounted thereon, an opening in the rear  
70 of the stool-base and adjustable stops mounted on the base adapted to secure the same against side movement by contact with the piano-pedals, substantially as set forth.

3. In an adjustable foot rest or stool for pianos having pedal-engaging feet, and adjustable rods connected thereto and mounted  
75 on the foot-stool, an extension-pedal having a hollow toe-guard adapted to receive the upward extension of one of the said rods, substantially as shown and described.  
80

4. A foot rest or stool for pianos comprising a top and base and means for giving relative vertical adjustment thereto, a pedal-engaging block, an extension-pedal with a  
85 hollow toe-guard above the stool and rods mounted on the stool to connect the said block to the said pedal, one of said rods being provided with an adjustable connection to the said block, and the other of said rods socketed  
90 at its upper end within the said hollow toe-guard, substantially as shown and described.

5. An adjustable foot-stool for pianos having a pedal-engaging block and an extension-pedal, means for connecting said block and  
95 pedal comprising a clip attached to the block, a rod attached to the extension-pedal, an internally-threaded nut having an externally-threaded nipple screwed on said rod, and a nut screwed on said nipple adapted to clamp  
100 the clip when the nipple is passed there-through, substantially as shown and described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

ALONZA M. BATES.

Witnesses:

C. K. CHAMBERLAIN,  
A. S. PHILLIPS.