

No. 705,002.

Patented July 15, 1902.

J. WIESER.

PEDAL FOR SELF PLAYING ATTACHMENTS FOR PIANOS.

(Application filed Dec. 8, 1900. Renewed Nov. 14, 1901.)

(No Model.)

Fig: 1.

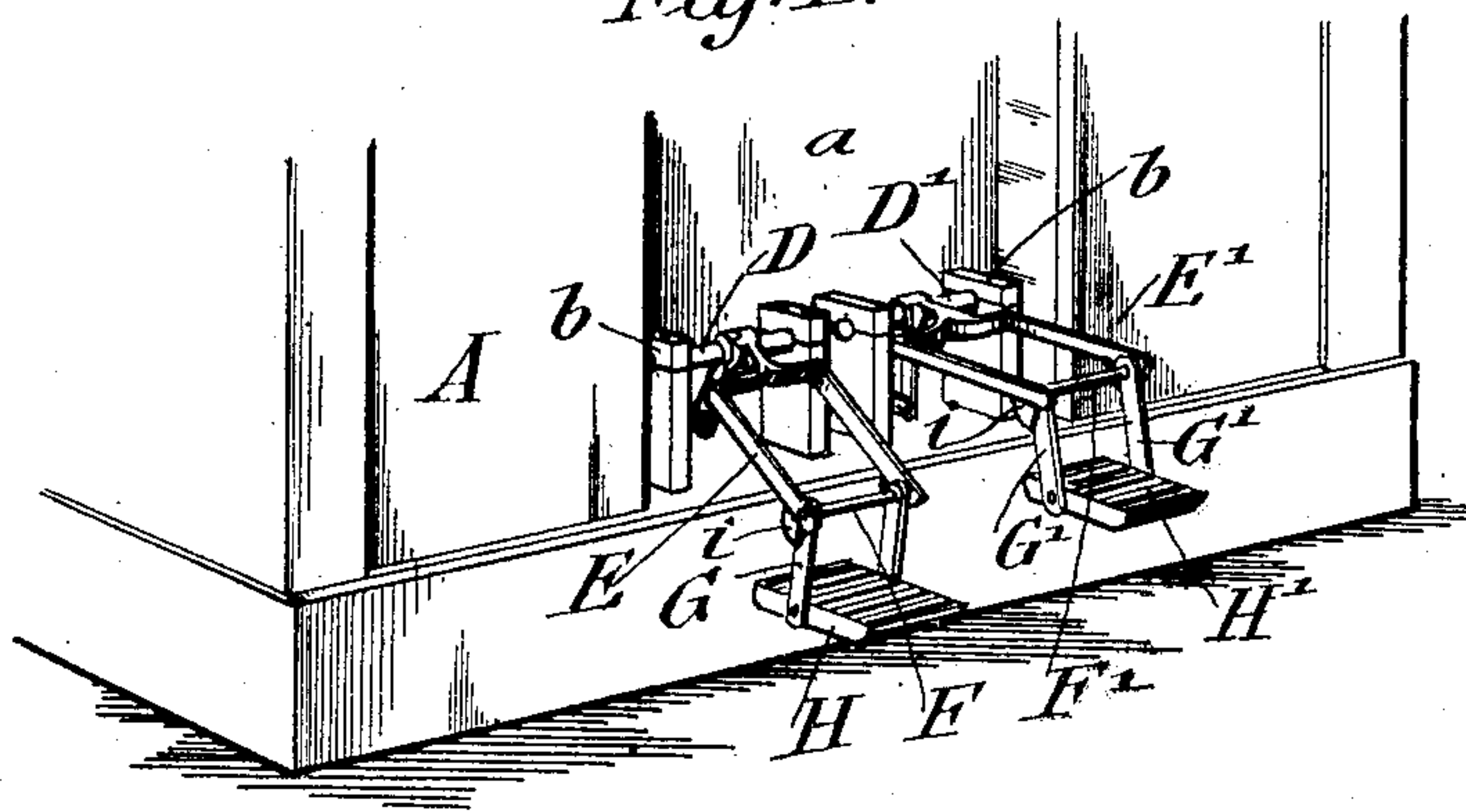


Fig: 2.

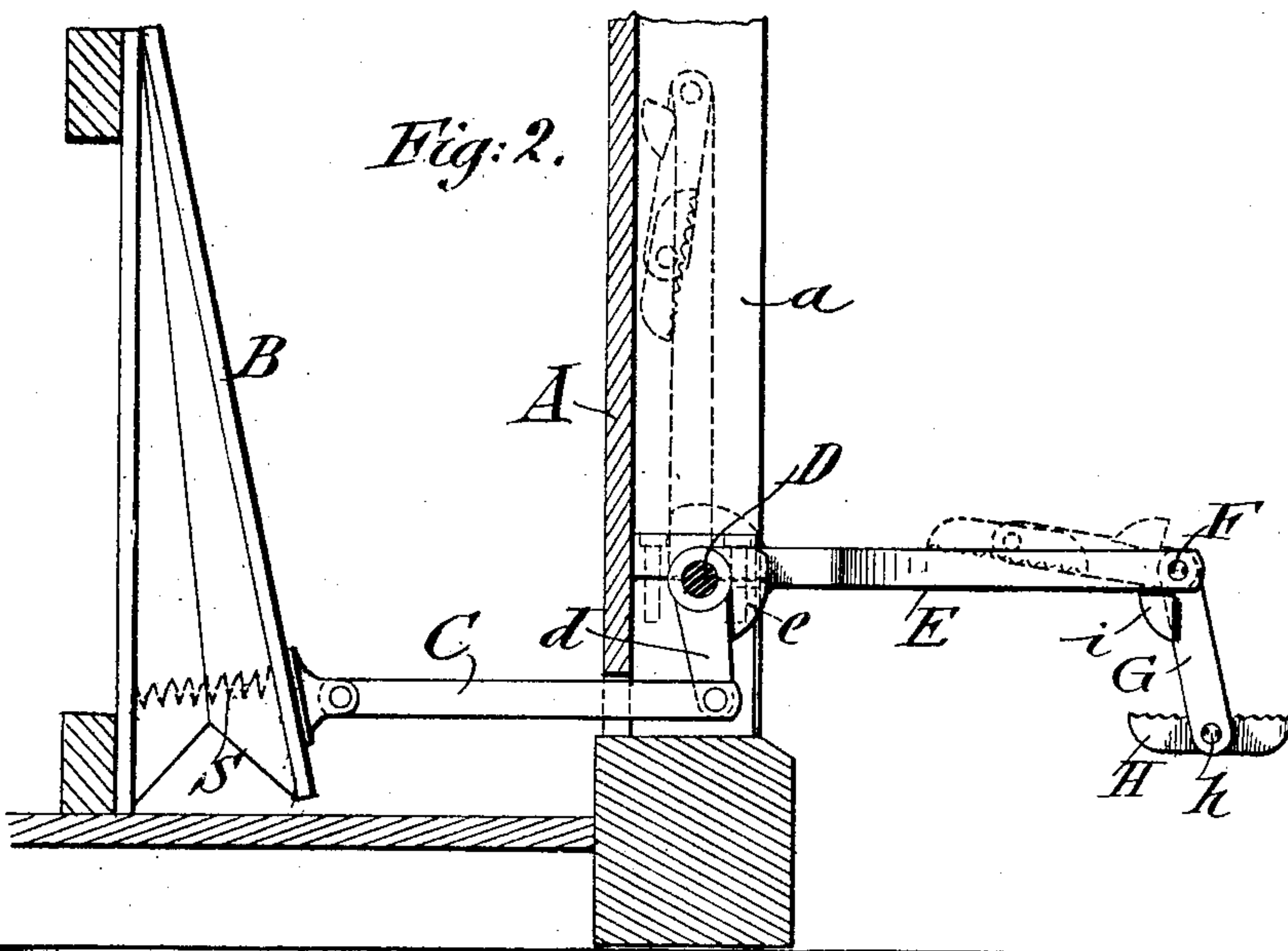
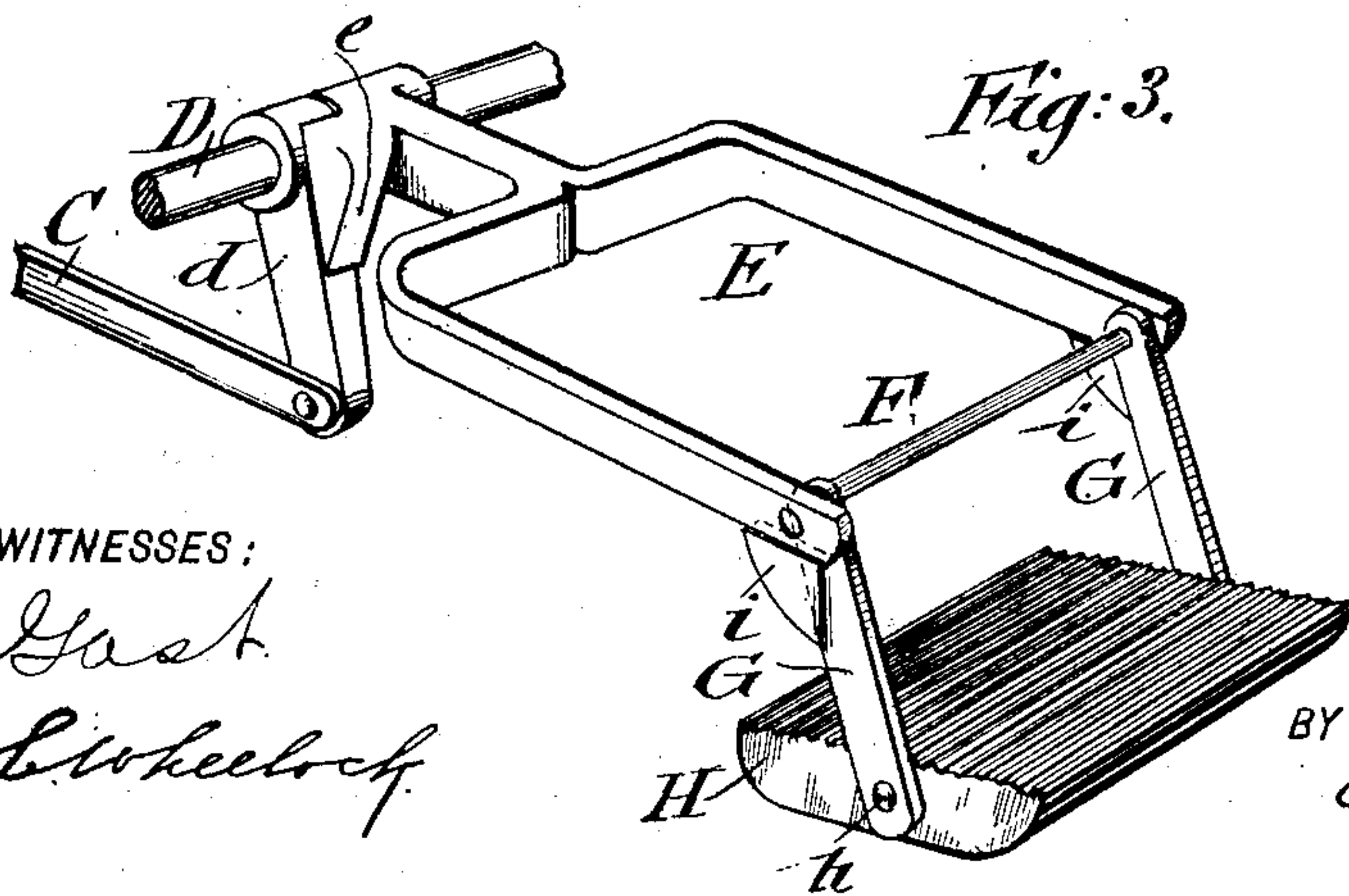


Fig: 3.



WITNESSES:

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PEDAL FOR SELF-PLAYING ATTACHMENTS FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 705,002, dated July 15, 1902.

Application filed December 6, 1900. Renewed November 14, 1901. Serial No. 82,220. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH WIESER, a citizen of the United States, residing in New York, in the borough of Brooklyn and State of New York, have invented certain new and useful Improvements in Pedal Mechanism for Self-Playing Attachments for Pianos, of which the following is a specification.

This invention relates to an improved pedal mechanism for self-playing attachments for pianos, which mechanism can be readily stored away after use in the casing of the same or moved forward into position for actuating the main bellows of the wind-chest, the pedal being so arranged as to be operated with facility without fatiguing the player.

The invention consists of a pedal mechanism for self-playing attachments for pianos, which comprises a pair of pivoted levers, pedals pivoted to hangers pivoted to the front end of each of said levers, said parts being adapted to fold, means for imparting rigidity to the same, and a connecting-rod between each bellows and a crank on the pivot of the lever, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a perspective view of my improved pedal mechanism for self-playing attachments for pianos, showing the same in lowered position. Fig. 2 is a sectional side elevation, on a larger scale, showing one of the pedals lowered for use and the other in dotted lines in folded-up position; and Fig. 3 is a perspective view of one of the pedals and its connecting mechanism, also shown on a larger scale and in operative position.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the front wall of the self-playing attachment for pianos. A rectangular recess *a* is located at the central front part of the attachment and is of sufficient size to permit the folding up of the parts composing the pedal mechanism.

B indicates the bellows, of which there is one for each pedal, and C a connecting-rod, one for each pedal, pivoted at one end to one leaf of the bellows and at the other end to a crank *d*, one on each shaft D D', which shafts are journaled in suitable bearings *b*. Piv-

oted upon shafts D D' are yoke-shaped levers E E', respectively, the shank of each of which is provided with a stop-shoulder *e*, which rests in the open or unfolded position of the parts against the crank *d*. On pivot-rods F F', respectively, which are fixed in the ends of the levers E E', are pivoted the hanger-links G G', to the outer ends of which at *h* are pivoted the roughened or serrated pedals H H'. Near the pivot-rods *h* the hanger-links G G' are formed with stop-shoulders *i*, which in the lowered position of the pedals abut against the under sides of the levers E E'.

Whenever it is desired to operate the pedals the levers, links, and pedals are drawn out and unfolded and then dropped into the position shown in full lines, in which position the parts are rigidly connected for depression, owing to the abutment of the shoulders—*i. e.*, against the levers E E' and the cranks *d*, respectively. As the pedals are alternately depressed the bellows are alternately expanded for producing pressure or suction-air, and as soon as the foot-pressure is relieved the counteracting spring S, one for each bellows, acts on the bellows so as to raise the pedals.

When the playing of the attachment is to be discontinued, the pedal mechanism is folded into the recess *a*, arranged in the front part of the attachment, which is accomplished by swinging the pedals and links into the position shown in dotted lines at the extreme right of Fig. 2 and then moving the pedals, links, and levers in folded position into the recess against the wall of the attachment, as shown in upright dotted lines in Fig. 2. When the parts are thus folded up into the recess at the front part of the attachment, suitable sliding doors, which may be provided, if desired, can be closed, so that the pedals will be entirely out of sight.

What I claim is—

1. In pedal mechanism for pianos, the combination of a set of lever members pivotally connected together whereby they are adapted to be folded, a pedal for said set of members, and means for imparting rigidity to the said set of members when depressing the pedal, substantially as set forth.

2. In pedal mechanism for pianos, the combination of two sets of lever members, ar-

ranged side by side, the members of each set being pivotally connected, a pedal for each set of members, and means for imparting rigidity to each set of members, when depressing the pedals, said sets of members being adapted to be separately folded, substantially as set forth.

3. In pedal mechanism for pianos, the combination of a set of members, comprising a pivoted lever, and a hanger pivoted to the same, means for imparting rigidity to the set of members, and a pedal pivoted to the hanger, said set of members and pedal being adapted to be folded together, substantially as set forth.

4. In pedal mechanism for pianos, the combination of a crank-shaft, a pivoted lever, hangers pivoted to the lever, a pedal pivoted to the said hangers, said lever, hangers and

pedal being adapted to be folded, and means for imparting rigidity to the set of members comprising the lever and hangers, substantially as set forth.

5. In pedal mechanism for self-playing attachments for pianos, the combination, of a crank-shaft, a link for connecting the latter with the bellows, a lever pivoted to said shaft, hangers pivoted to the lever, a pedal pivoted to the hangers, and stop-shoulders on the hangers and lever, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JOSEPH WIESER.

Witnesses:

PAUL GOEPEL,
M. H. WURTZEL.