

J. WIESER.

PEDAL MECHANISM FOR SELF PLAYING ATTACHMENTS FOR PIANOS.

APPLICATION FILED APR. 23, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

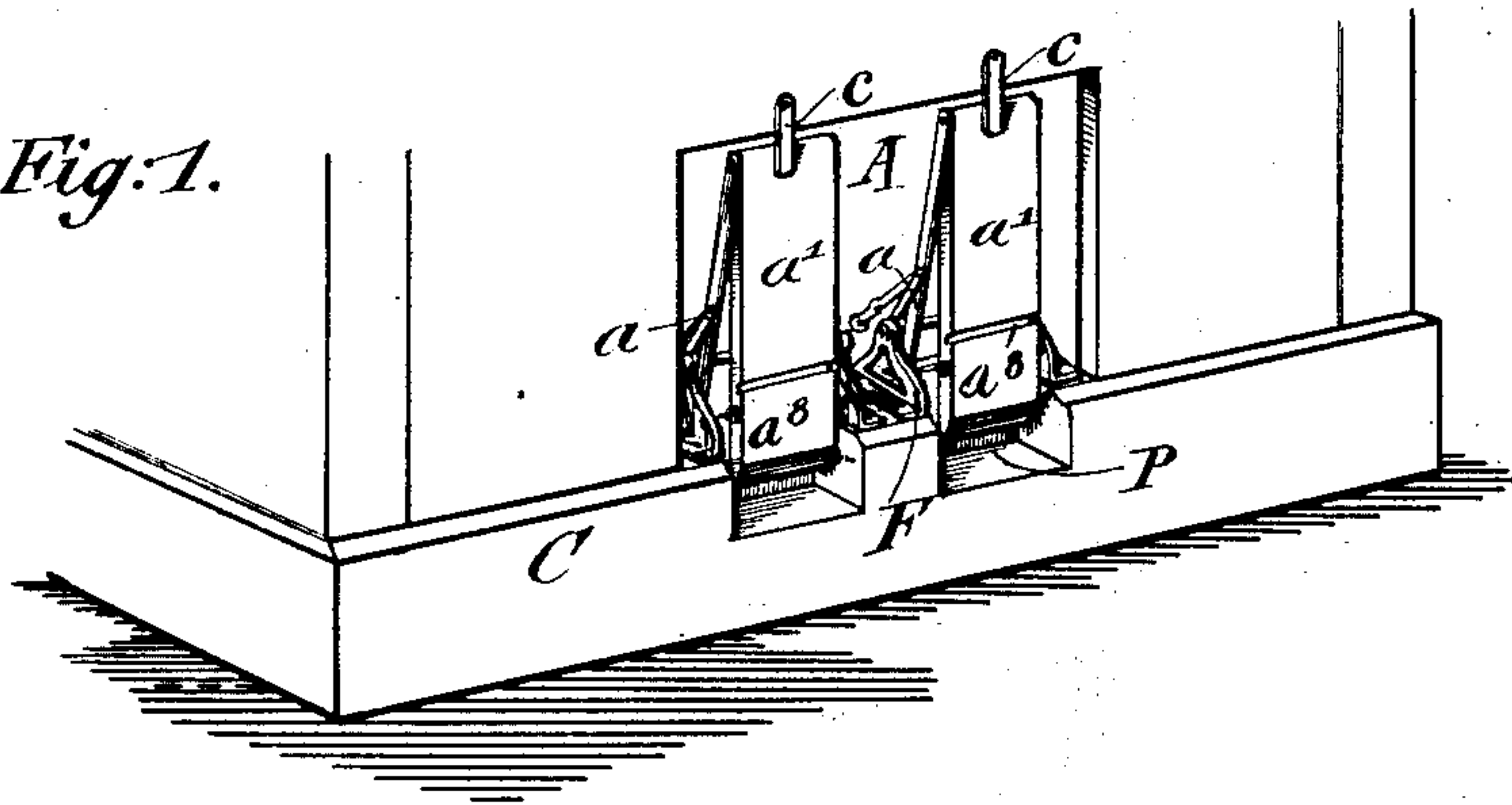


Fig. 2.

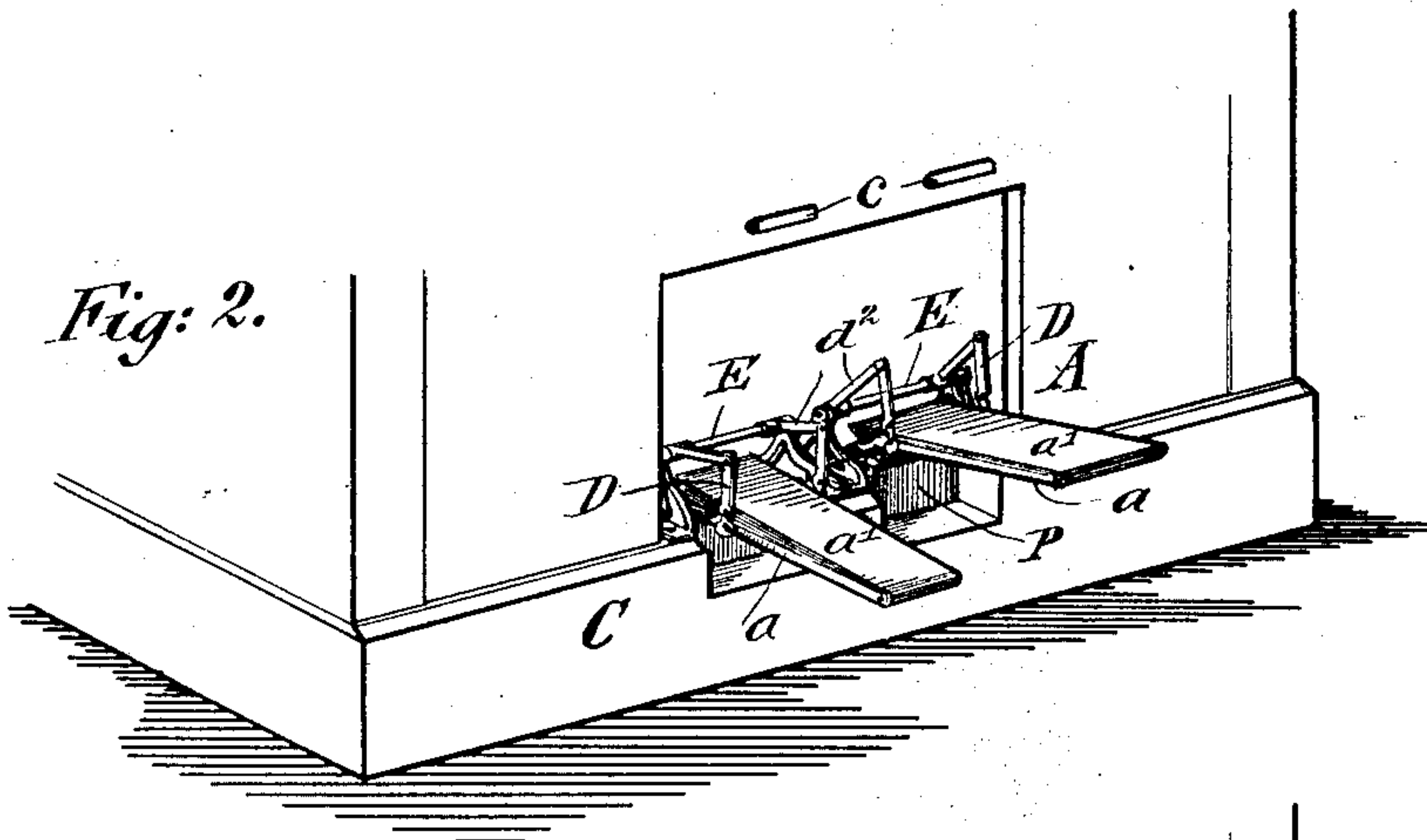
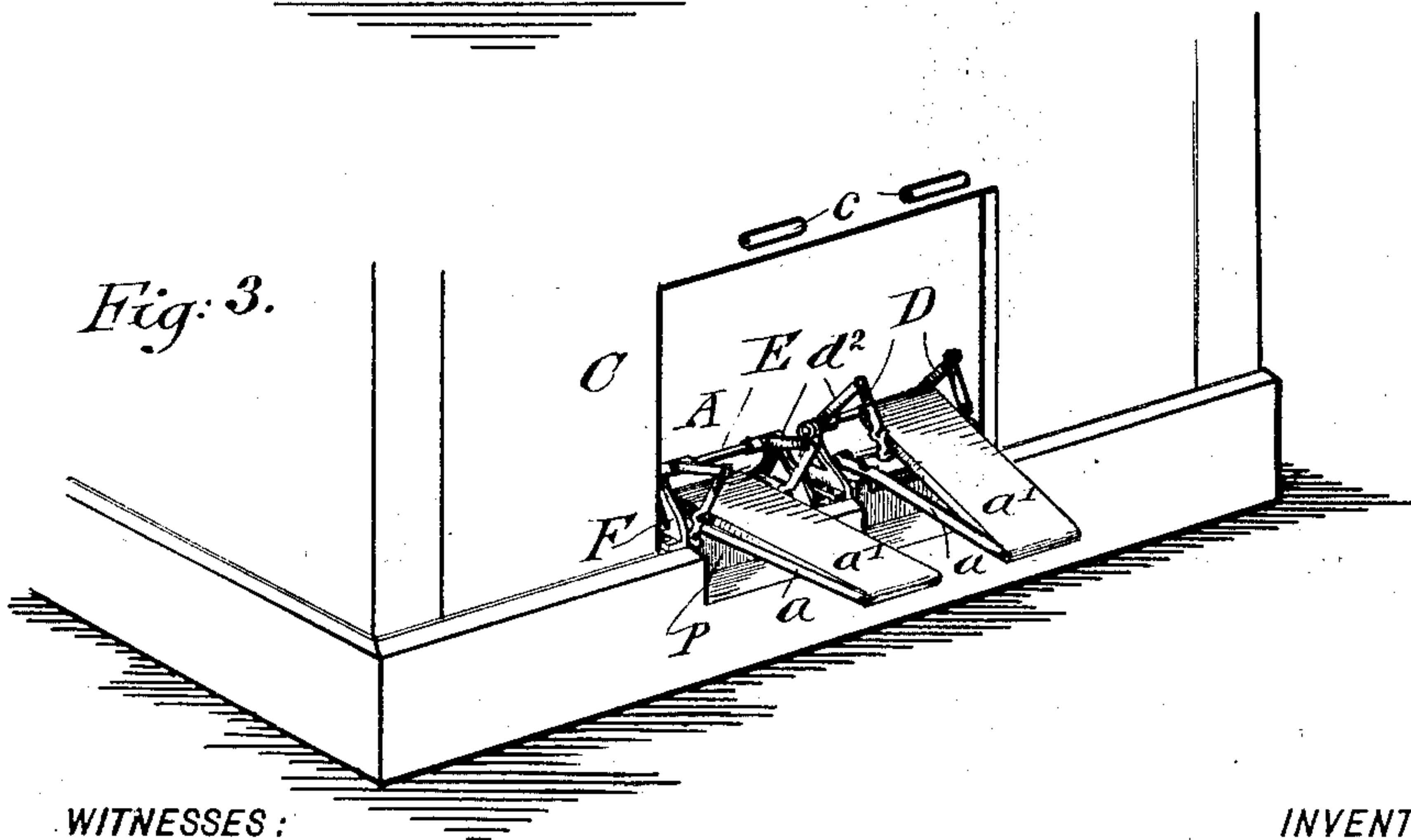


Fig. 3.



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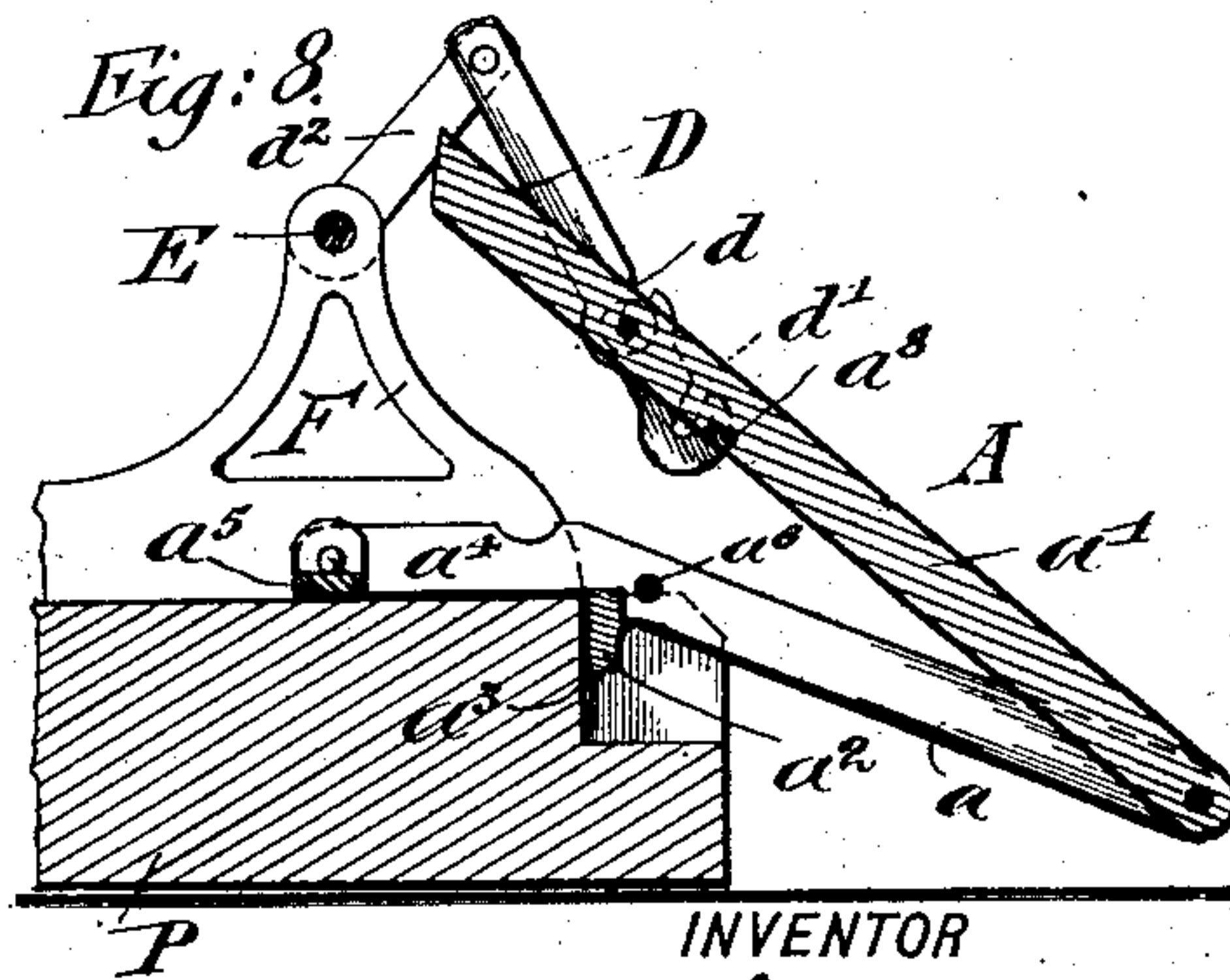
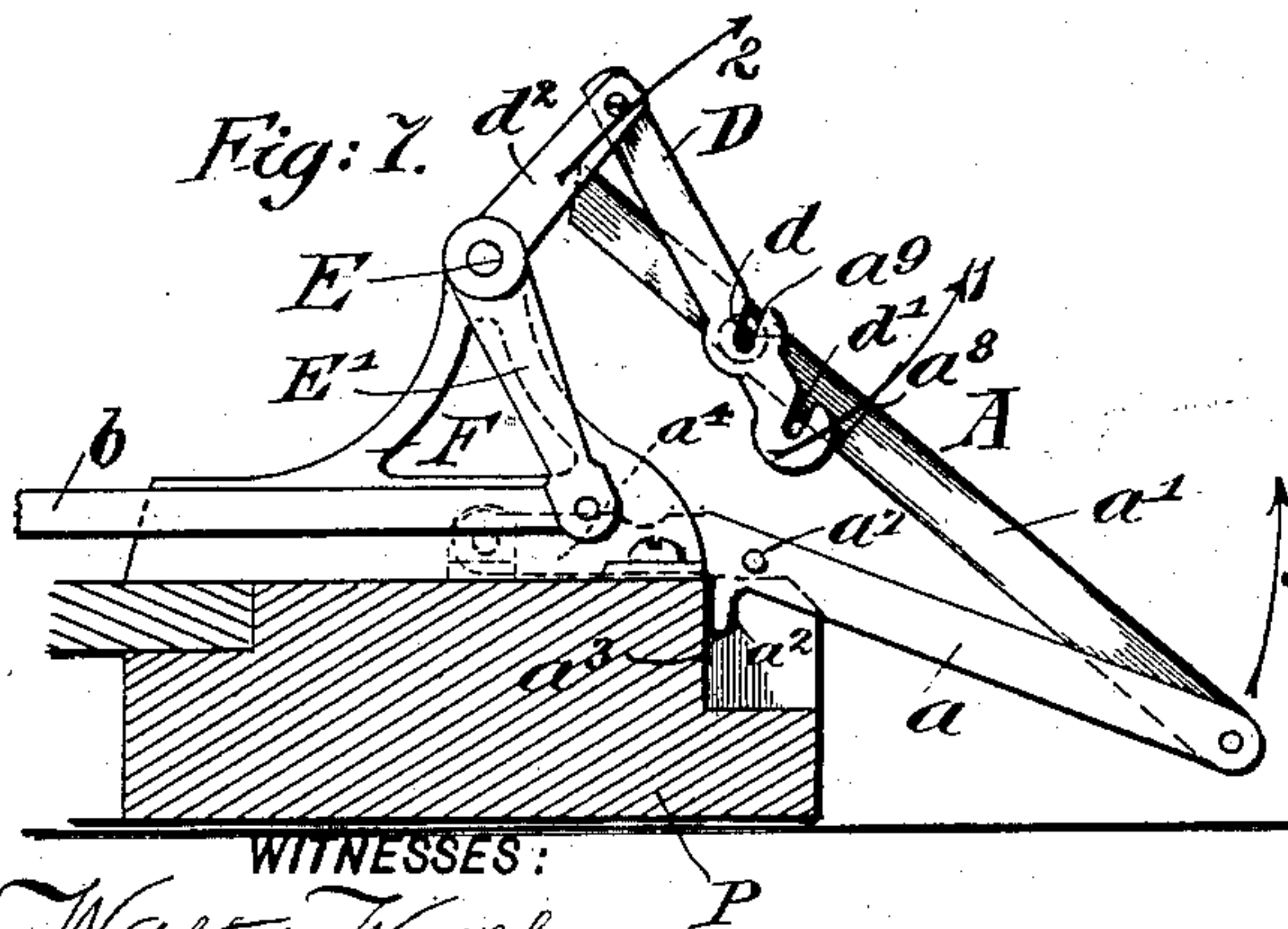
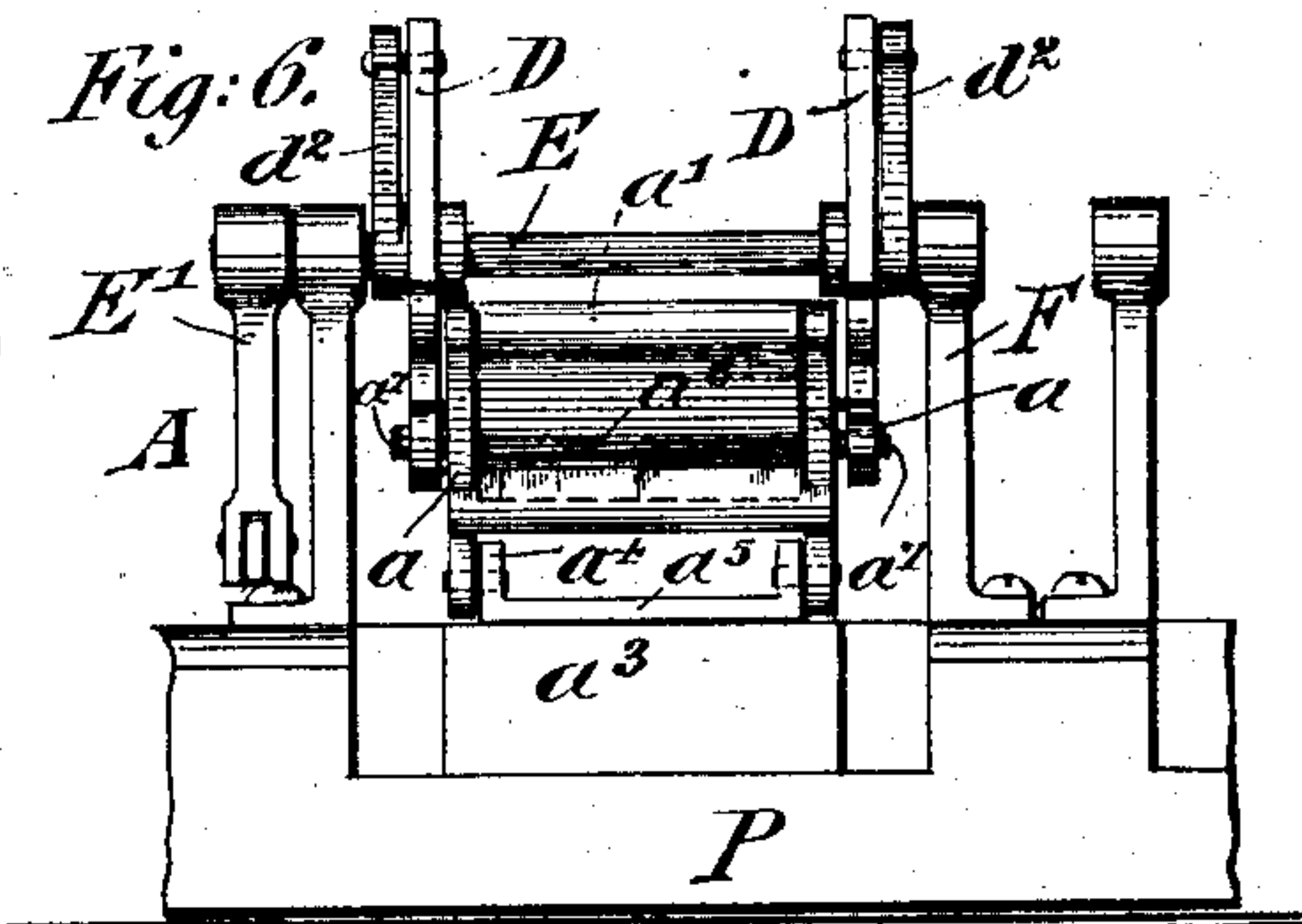
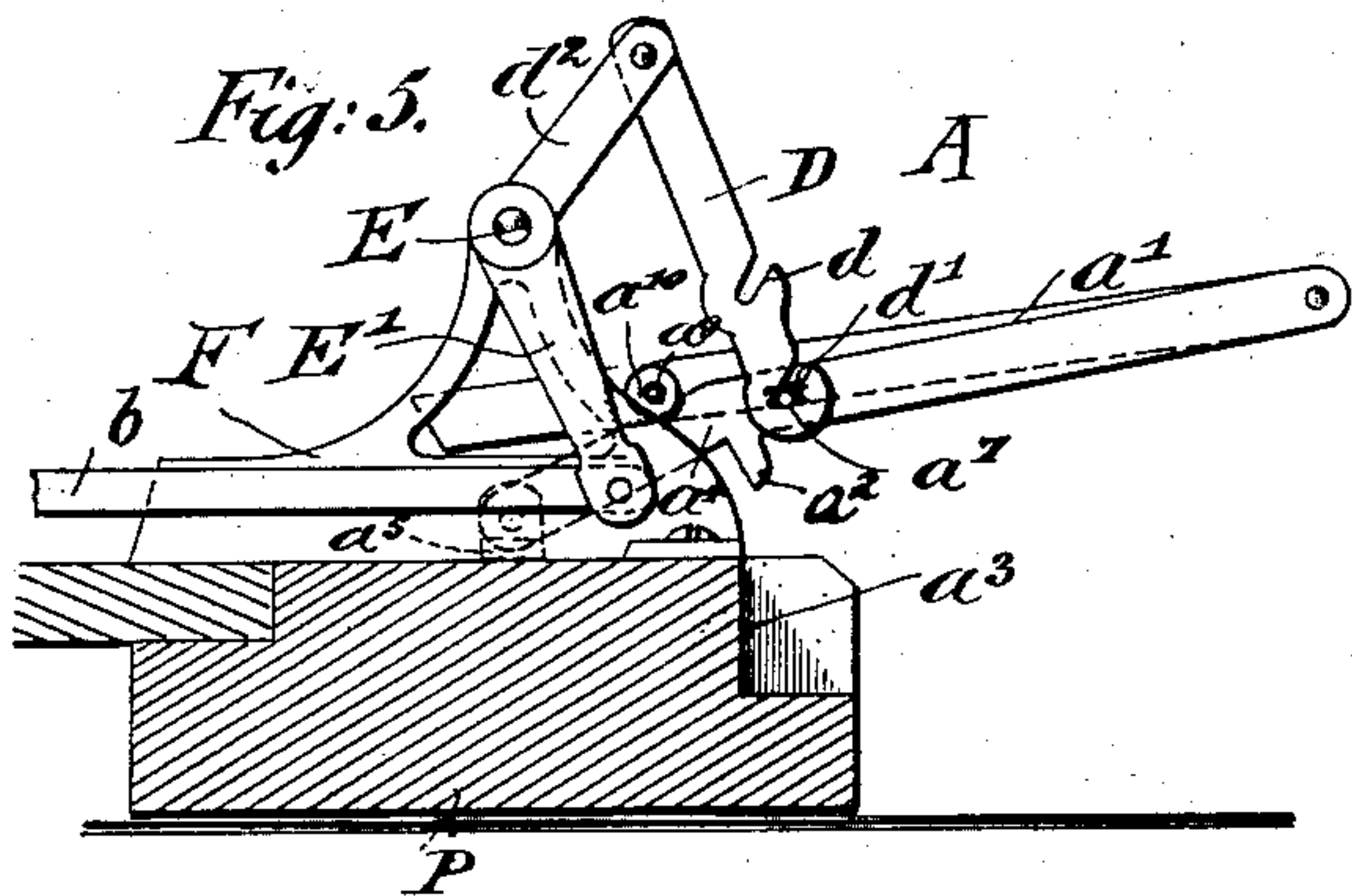
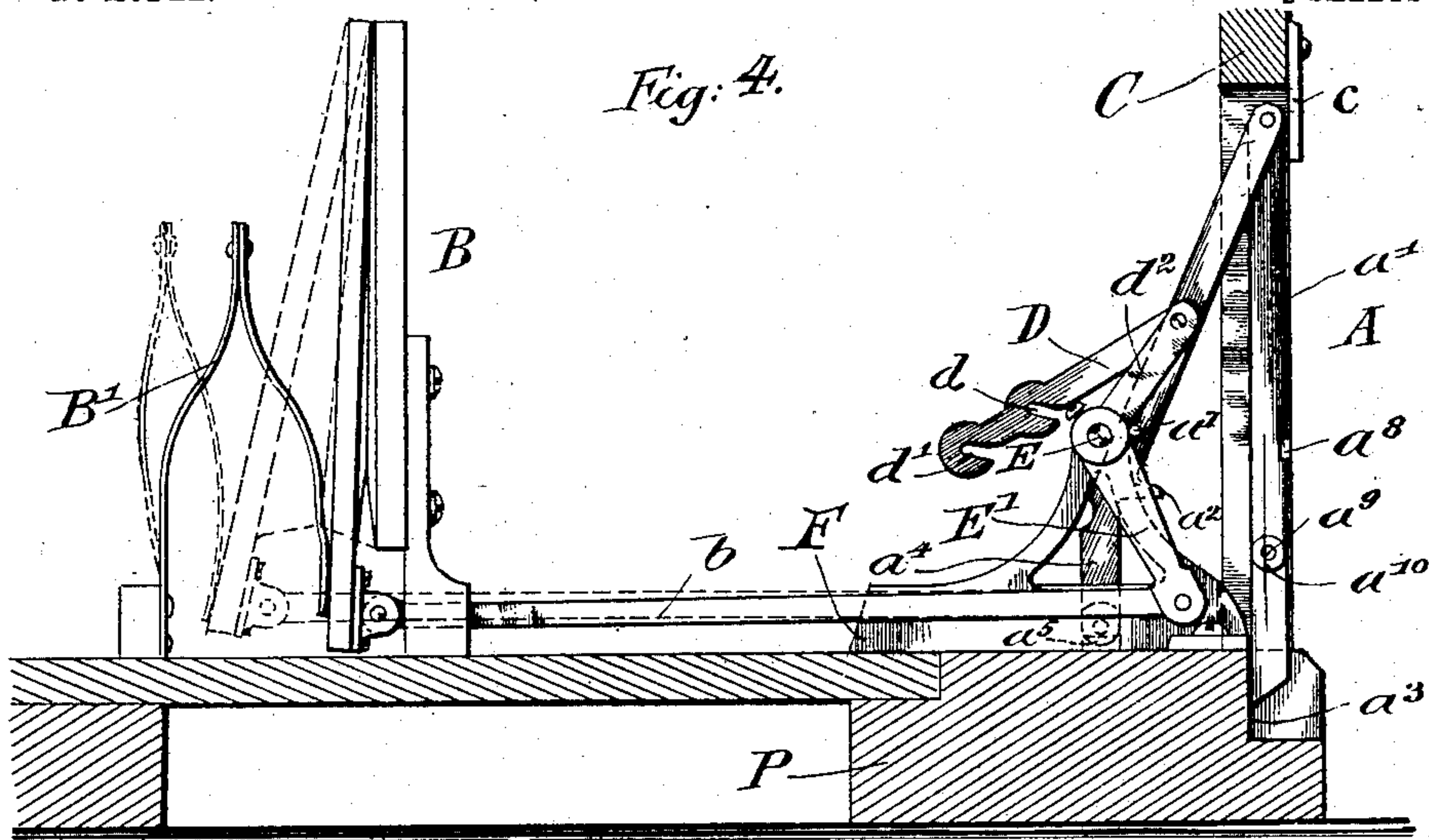
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

JOSEPH WIESER, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO
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PEDAL MECHANISM FOR SELF-PLAYING ATTACHMENTS FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 719,926, dated February 3, 1903.

Application filed April 23, 1902. Serial No. 104,242. (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, borough of Brooklyn, and State of New York, have invented certain new and useful Improvements in Pedal Mechanisms 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 or other musical instruments, which has for its object to provide means whereby the pedal can be folded up into the self-playing attachment when not required for use and whereby the pedal can be adjusted for operation either by toe or by heel thrusts, so that the player may operate the self-playing attachment either by toe or by heel, as preferred, and for this purpose the invention consists of a pedal mechanism for self-playing attachments for pianos or other musical instruments comprising a pivotally-mounted frame, a pedal pivoted to the outer end of the frame, notched levers for engaging the frame or the pedal, a rock-shaft mounted in suitable standards, cranks secured on said rock-shaft carrying said notched levers, said pedal being adapted to be operated either by heel or by toe thrusts, according to the notched levers being connected either with the pivotally-mounted frame or with the pedal.

The invention consists, further, of certain details of construction and combinations of parts, which will be fully described herein after and finally pointed out in the claims.

In the accompanying drawings, Figures 1, 2, and 3 represent a perspective view of my improved pedal mechanism for self-playing attachments for pianos, showing the same respectively as folded up into the casing of the attachment or arranged so as to be operated by the heel or arranged so as to be operated by the toe. Fig. 4 is a sectional side elevation of the pedal mechanism as folded away into the casing of the attachment, drawn on a larger scale and showing the same connected with the bellows device. Figs. 5 and 6 are respectively a sectional side elevation and an end elevation of the pedal mechanism, showing the parts in position for operating the same by the heel; and Figs. 7 and 8 are

respectively a side elevation and a vertical longitudinal section of the pedal, showing the parts arranged for operating it by the toe.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a pedal mechanism which can be operated either by heel or by toe thrusts by suitably adjusting the pedal. A supporting-frame *a* is pivotally mounted on the platform P, arranged in the casing C of the self-playing attachment, and to the outer end of the pivotally-mounted frame *a* is pivoted the pedal *a'*, as shown clearly in the different figures of the drawings. The frame *a* is provided with a transverse stop *a*², that projects from the under side thereof and is adapted to abut against the abutment *a*³ at the front edge of the platform P, as shown in Figs. 7 and 8. At the inner end of the frame *a* are the arms *a*⁴, formed rigidly therewith and are pivoted to the mounting *a*⁵ on the platform P. In front of the transverse stop *a*² the frame *a* is provided with a transverse rod *a*⁶, which projects at both sides of the frame, so that its ends form lugs *a*⁷ for pivot connections with notched or recessed levers D. The pedal *a'* is provided at its under side with a recess *a*⁸, that fits over the transverse rod *a*⁶ when the pedal is in the position shown in Fig. 5. The pedal adjacent its free end is also provided with a transverse rod having its ends *a*⁹ projecting from both sides of the same, which like the projecting lugs *a*⁷ of the frame *a* are adapted to be engaged by the notched levers D, the pivots *a*⁹ of the pedal *a'* being provided with collars *a*¹⁰, adjacent the sides of the pedal, that rest in recesses of the frame *a* and hold the pedal slightly above the plane of the frame, so as to facilitate the convenient raising of the pedal for placing it in the different positions required. The notched levers D are provided with two inclined recesses *d* *d'*, the lower one being adapted to engage with the lugs or pivot-pin *a*⁷ of the frame *a* and the upper with the lugs or pivot-pin *a*⁹ of the pedal proper, *a'*. The upper ends of the levers are pivoted to arms *d*², that are keyed to a rock-shaft E, which is supported in bearings of two standards F, that are supported on the platform P. The rock-shaft E is extended to

the outside of one of the standards F and provided with a downwardly-extending arm E', the lower end of which is connected by means of the rod b with the bellows B of the self-playing attachment, as shown in Fig. 4.

When it is desired to fix the pedal mechanism out of use, the notched lever D is disengaged from the lugs d or d' and placed out of the way of the other parts of the mechanism by being turned on its pivotal center in the direction of the arrow 1, Fig. 7, to the position as shown in Fig. 4. The pedal a' is then swung in outward direction, as shown by arrow 2, Fig. 7, until it rests on the floor. Next the pivotally-mounted frame a is moved at its free end in the direction of the arrow 3, Fig. 7, until it assumes an upright position and the pedal hangs in a vertical position. With the pedal and frame in these positions the pedal mechanism lies wholly within the casing C and is retained in such position by means of the button c, which engages the pivoted end of the pedal a, as shown in Fig. 4, and prevents the same from swinging outwardly.

When it is desired to arrange the pedal mechanism in readiness for use, the pedal and the frame are lowered, the pedal swung back over the latter, and the connection between the lugs of the frame or of the pedal with the notched levers D is made, according to whether the pedal is to be arranged for operation by toe-thrusts or by heel-thrusts, the former being accomplished while the parts are in the position shown in Figs. 7 and 8 and the latter as shown in Figs. 5 and 6.

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

1. A pedal mechanism for self-playing attachments for pianos or other musical instru-

ments, consisting of a pivotally-mounted frame, a pedal pivoted to the outer end of said frame, a suitably-mounted rock-shaft, means on said rock-shaft adjustably connected with said frame or said pedal, and means connecting said shaft with suitable bellows mechanism, substantially as set forth.

2. A pedal mechanism for self-playing attachments for pianos or other musical instruments, consisting of a pivotally-mounted frame, a pedal pivoted to the outer end of said frame, a suitably-mounted rock-shaft, a lever mechanism on said rock-shaft, and means connecting said mechanism with said frame or said pedal, substantially as set forth.

3. A pedal mechanism for self-playing attachments for pianos or other musical instruments, consisting of a pivotally-mounted frame, a pedal pivoted to the outer end of said frame, lugs provided on said frame and on said pedal, rocking means connected with the lugs of said frame or said pedal, and means connecting said rocking means with a bellows mechanism, substantially as set forth.

4. In a pedal mechanism for self-playing attachments for pianos or other musical instruments, the combination of a pivotally-mounted frame, a pedal pivoted to the outer end of said frame, a suitably-mounted rock-shaft, arms on said rock-shaft, notched levers pivotally connected with said arms, and lugs on said frame and on said pedal for separately engaging with said notched levers, 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:

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C. BRADWAY.