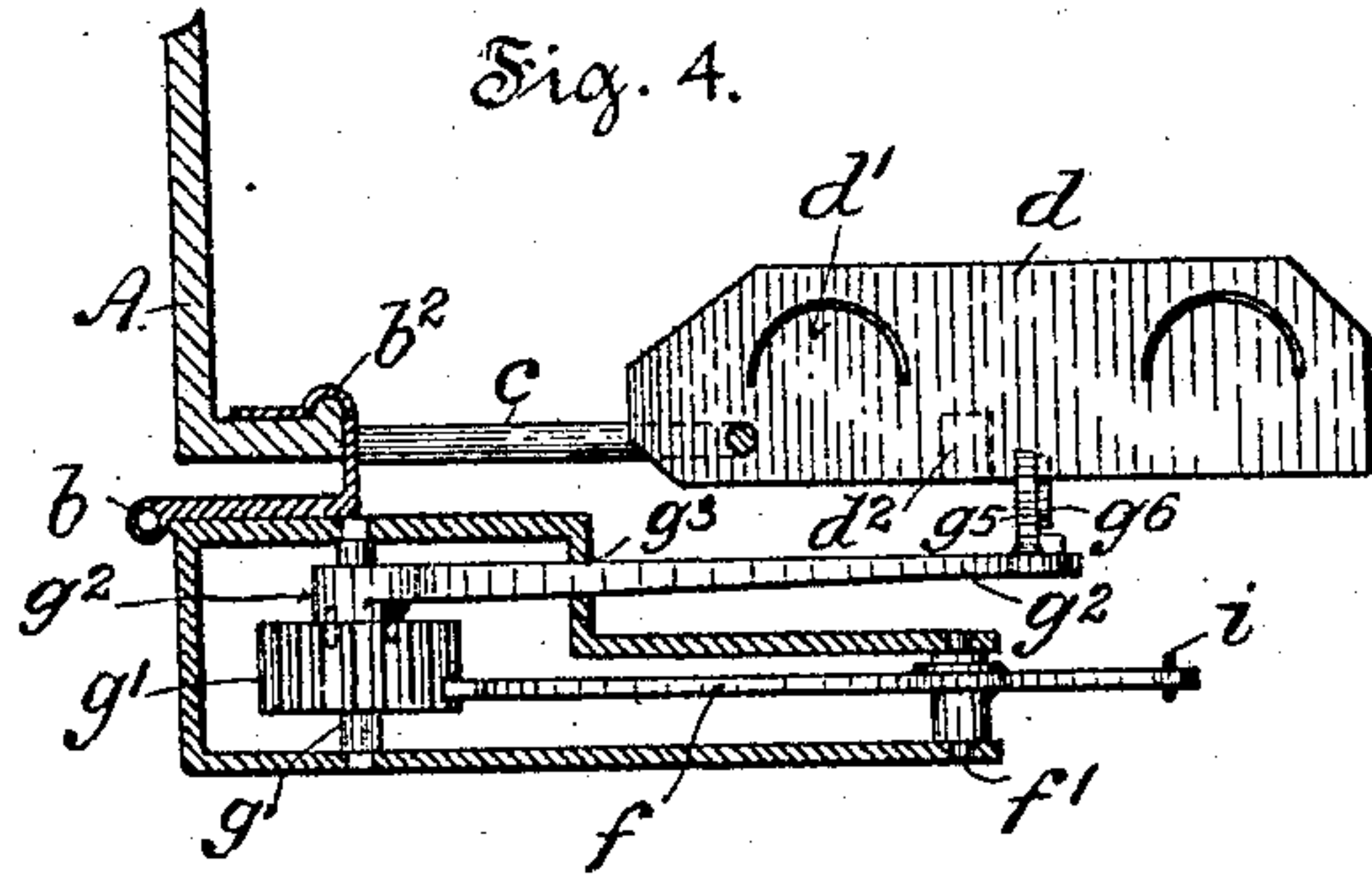
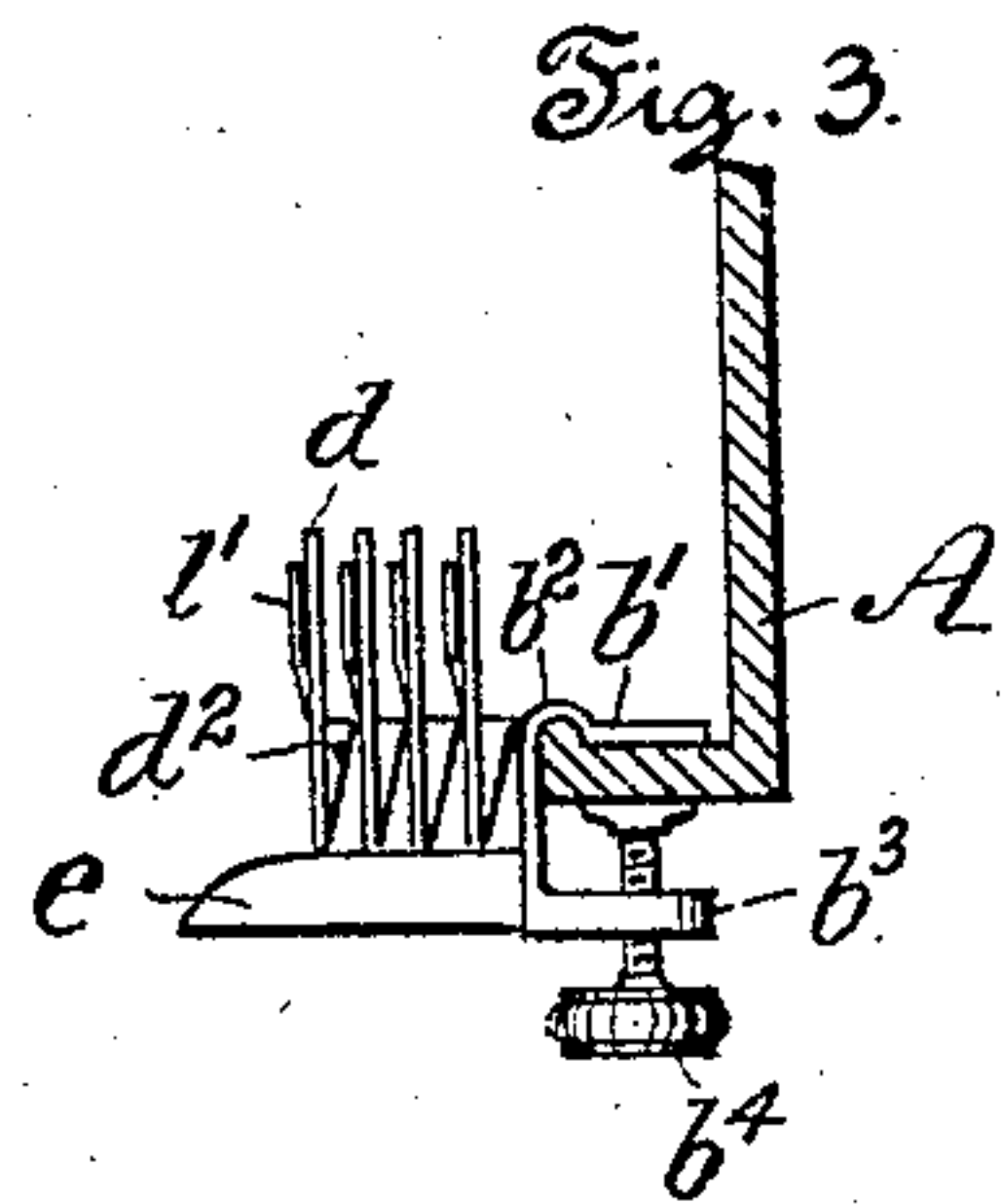
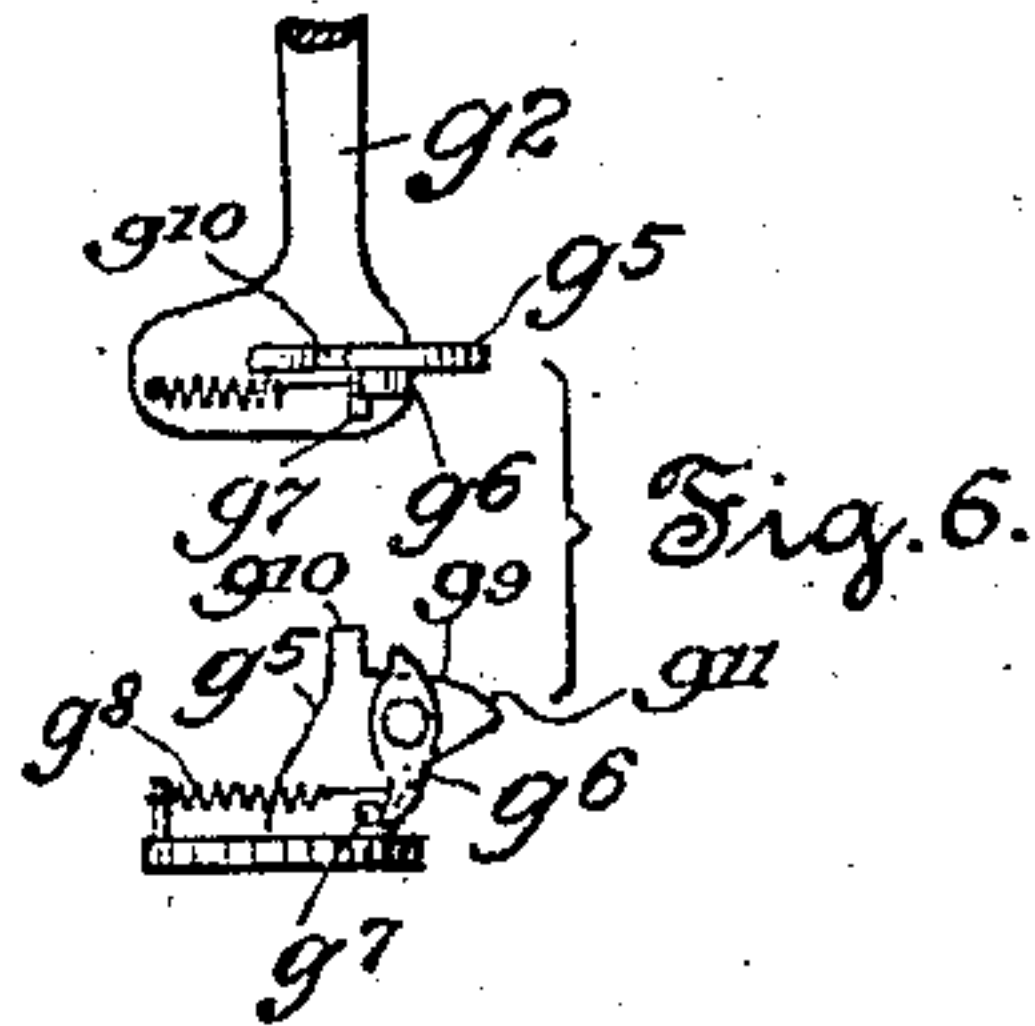
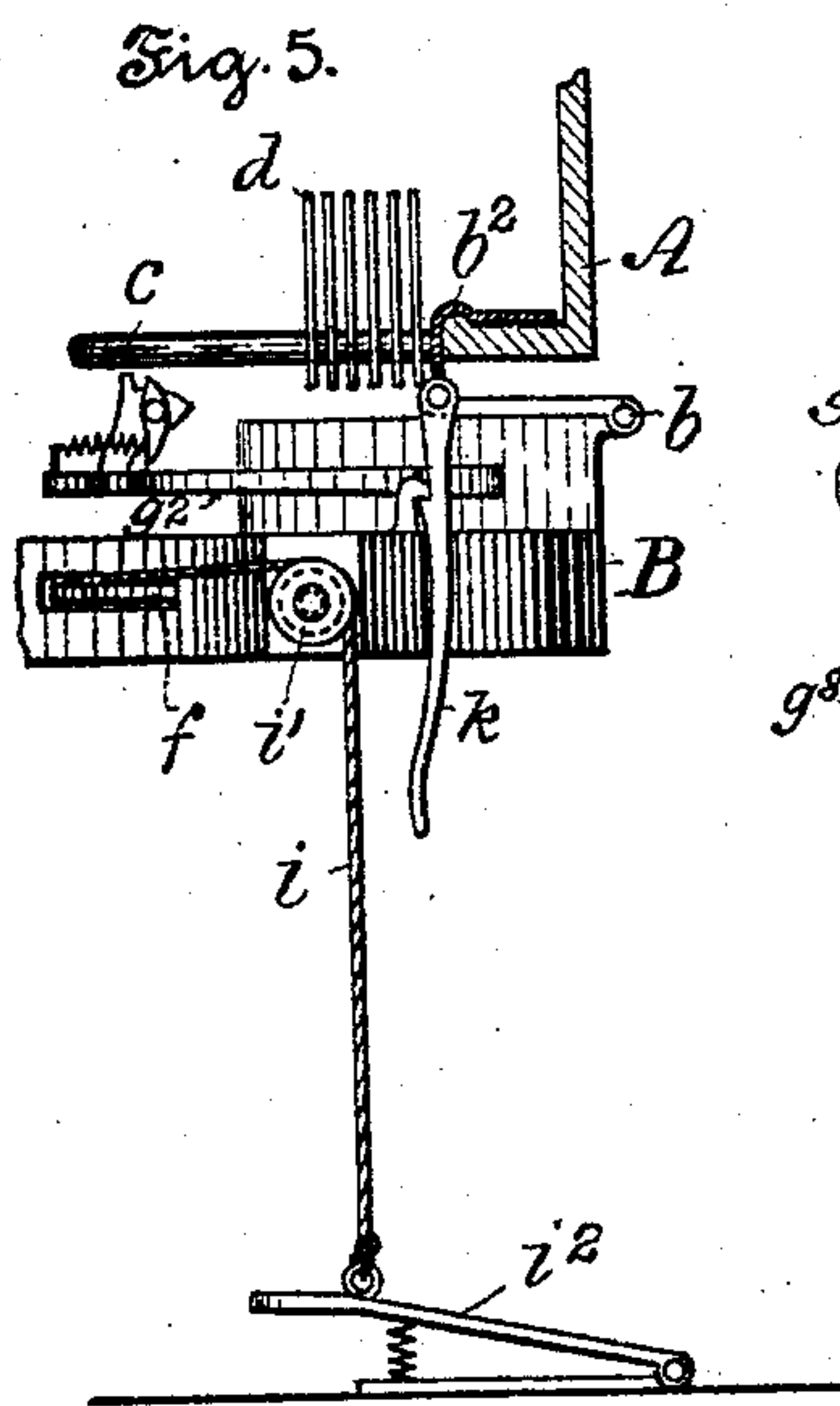
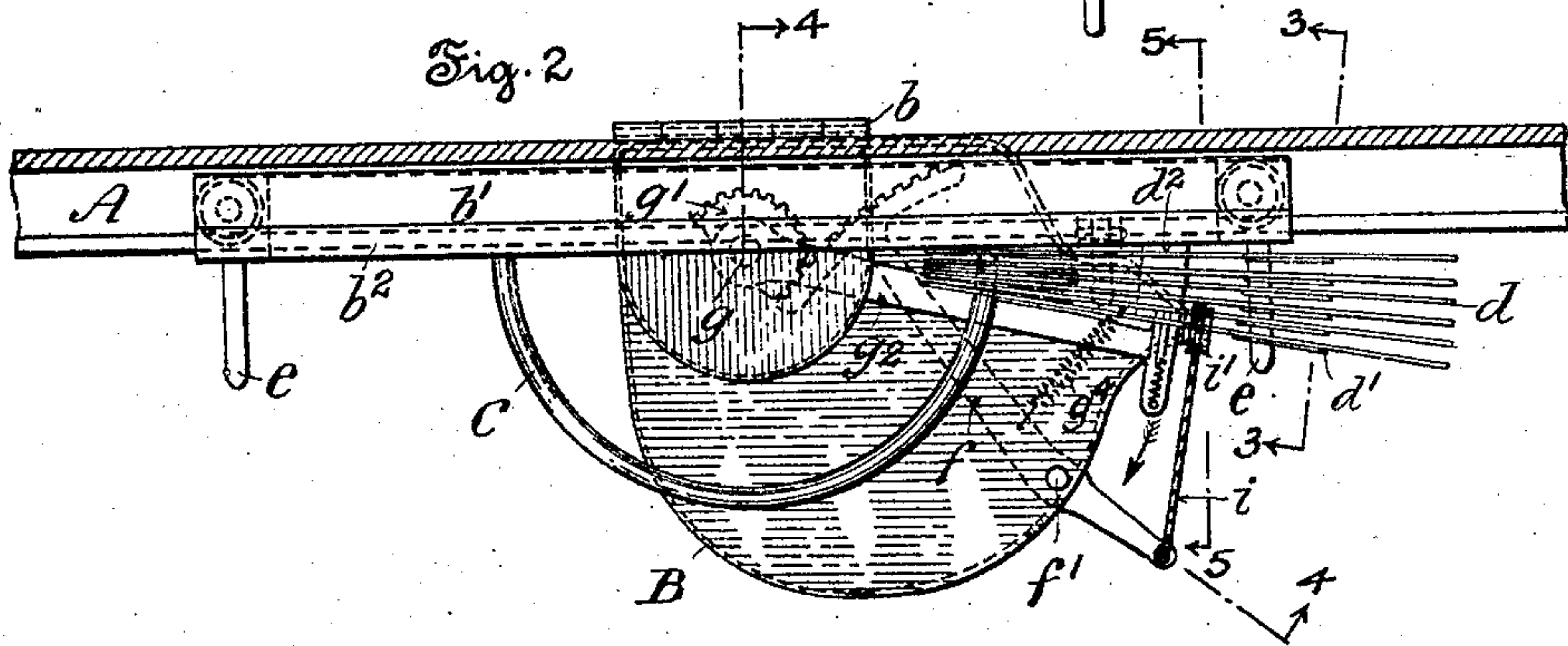
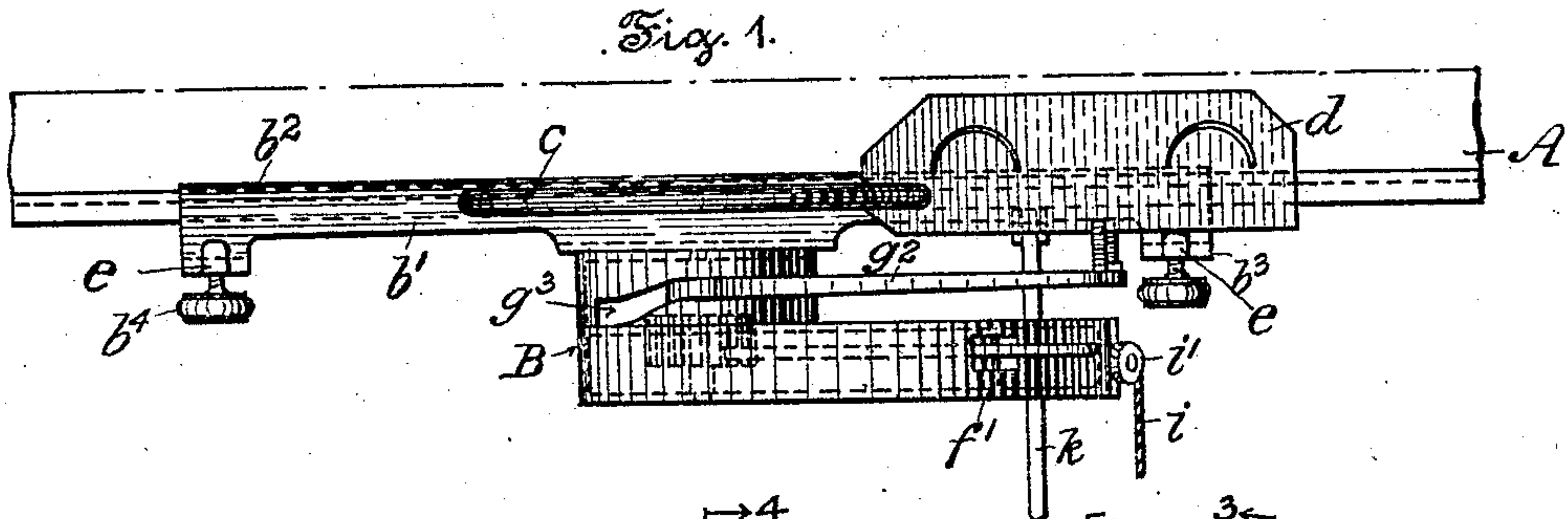


No. 849,424.

PATENTED APR. 9, 1907.

G. PARIS.  
MUSIC LEAF TURNER.  
APPLICATION FILED APR. 10, 1906.



WITNESSES:

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BY

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# UNITED STATES PATENT OFFICE.

GEORGE PARIS, OF HARRISBURG, PENNSYLVANIA.

## MUSIC-LEAF TURNER.

No. 849,424.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed April 10, 1906. Serial No. 310,965.

*To all whom it may concern:*

Be it known that I, GEORGE PARIS, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented new and useful Improvements in Music-Leaf Turners, of which the following is a specification.

My invention relates to leaf-turners, and has for its object to provide a compact instrument which will positively and quickly turn the leaves of sheet-music, either loose or bound in book form, inserted therein.

My invention consists of a device for turning the leaves of sheet-music, and comprises a housing with shelf adapted to be temporarily or permanently secured to the shelf of a piano, organ, or music-stand, a plurality of leaf-holders adapted to slide on a semicircular wire supported by the shelf of the housing, and means for successively operating said leaf-holders.

My invention further consists of the improvements hereinafter more fully set forth, and pointed out in the claims.

My invention will be more fully understood, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a front elevation of the leaf-turner secured to the shelf of a piano, organ, or music-stand and showing the leaf-holders, the wire supporting them, the housing, and the means for operating the leaf-holders. Fig. 2 is a plan view of the leaf-turner. Fig. 3 is a section on line 3 3 of Fig. 2. Fig. 4 is a section on line 4 4 of Fig. 2. Fig. 5 is a section on line 5 5 of Fig. 2, showing a pedal for operating the device; and Fig. 6 is a top and end view of the dog and pawl for engaging the individual leaf-holders.

Referring now to the drawings for a further description of my invention, A is the shelf of a piano, organ, or music-stand.

B is the housing attached by a hinge  $b$  to the shelf  $b'$  of the leaf-turner for a purpose to be presently described. The shelf  $b'$  is provided with a bead  $b^2$  to conform to the bead on the shelf A and with lugs  $b^3$  and thumb-screws  $b^4$  to fasten the leaf-turner to the shelf A. In front of the shelf  $b'$  is secured the semicircular wire  $c$ , adapted to hold and guide the leaf-holders  $d$  at one end. These leaf-holders  $d$  are made of thin sheet metal and are provided with ears  $d'$ , so that the sheet-music may be inserted between the body of

the holder and these ears and firmly held thereby.

In the rear of each leaf-holder is provided a lug  $d^2$  to separate the individual holders and allow the gripping mechanism to take hold of them. On each end of the shelf  $b'$  is arranged a support  $e$  for the holders  $d$  when the latter lay against each other and the shelf  $b'$ . To turn the leaf-holders  $d$  and the sheet-music inserted therein from the right-hand side, Figs. 1 and 2, to the left-hand side, or, in other words, to turn the leaf of sheet-music, the following devices have been provided:

In the housing B is arranged a stationary shaft  $g$ , and a gear-sector  $g'$ , having fastened to it an oscillating lever  $g^2$ , is loosely mounted on said shaft  $g$  and adapted to move up and down thereon. Oscillating motion is imparted to said gear-sector  $g'$  and lever  $g^2$  by the gear-sector  $f$ , pivoted to the housing B at  $f'$ . To operate the lever  $g^2$  to swing in the direction of the arrow in Fig. 2, a cord  $i$  is secured with one end to the free end of the gear-sector  $f$  and led over a small pulley  $i'$ , pivoted to the housing B, Figs. 2 and 5, and the other end of the cord is attached to a spring-operated pedal  $i^2$ , which when depressed will actuate the lever  $g^2$ . The return of the lever  $g^2$  to its normal position at the right-hand side of the leaf-turner is effected by a spring  $g^4$ .

The free end of the lever  $g^2$  is provided with a dog  $g^5$ , the upper edge  $g^9$  of which is in line with the lower edge of the leaf-holder  $d$ , so as to engage the individual holder and carry it around when the lever  $g^2$  is operated toward the left. A shoulder  $g^{10}$  is provided on said dog  $g^5$  to limit the movement of the free end of the lever  $g^2$  when the latter moves toward the right and while the edge  $g^9$  rides under the said holder. To insure an easy engagement of the dog  $g^5$  with the holder  $d$ , the edge  $g^9$  is slanting downward, as shown at  $g^{11}$ , Figs. 5 and 6. A pawl  $g^6$  is pivoted to this dog  $g^5$  to engage the uppermost leaf-holder at the right-hand side of the turner, and as soon as the pedal  $i^2$  is depressed the said leaf-holder is transferred to the left-hand side of the turner. This pawl  $g^6$  is prevented from turning completely around by the back-stop or pin  $g^7$ , and a spring  $g^8$  is employed to hold the pawl in a normal position. On the return movement of the lever  $g^2$  to its normal position at the right-hand side of the turner



the wedge-shaped top of the pawl  $g^6$  tilts forward until the dog  $g^5$  strikes the face of the leaf-holder  $d$ , when the pawl  $g^6$ , influenced by the spring  $g^8$ , engages the rear of the foremost leaf-holder and is ready to turn the same.

To release the dog and pawl from engagement with the leaf-holder  $d$  when it is near the left-hand side of the turner, the lever  $g^2$ , with gear-sector  $g^7$ , is depressed on the shaft  $g$  by a groove  $g^3$ , Fig. 1, formed in the upper part of the housing B and by which the said lever  $g^2$  is guided. This groove  $g^3$  or cam causes the lever  $g^2$  to be depressed sufficiently to release the leaf-holder  $d$  from the dog  $g^5$  and pawl  $g^6$  and after the leaf-holder  $d$  has reached its support  $e$  at the left-hand side of the turner.

As before stated, the leaf-holders  $d$  are supported and guided at one end by the semicircular wire  $c$ , and during the transfer from right to left they are supported by the dog  $g^5$ .

Ordinarily when only sheet-music is to be inserted into the holders  $d$  the single pages are entered between the body of the holder and the ears  $d'$  without disturbing the apparatus; but when certain pages of a bound book are to be inserted into the holders  $d$  it becomes necessary to swing the lever  $g^2$  and gear-sector  $g^7$  out of the way, so that the holders may be turned around the wire  $c$ . For this purpose the housing B is hinged to the shelf  $b'$  and is held in normal position by the catch-lever  $k$ , as clearly shown in Figs. 1 and 6. If it is desired to insert certain pages of a book into the holders  $d$ , the housing B is released from the catch-lever  $k$  and swings downward about its hinge  $b$ . The holders  $d$  are then brought about to the center of the wire  $c$ , and the leaves of the book, which latter rests on the shelf  $b'$ , are then inserted one by one into the holders  $d$  and brought toward the right-hand side of the turner and rested on the support  $e$  on that side. After the desired number of leaves have been inserted into the holders  $d$  the housing B is brought into its normal position and held there by the catch  $k$ . The device is then in operative position and operates as hereinbefore described.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A music-leaf turner comprising a shelf, a housing hinged to said shelf, a semicircular wire guide secured to said shelf a support at each end of said shelf, a plurality of leaf-holders normally supported by said wire guide and said supports, an oscillating lever

for transferring the leaf-holders from right to left about the wire guide, means attached to said lever for engaging the said holders and means for lowering and raising the said lever, substantially as and for the purposes set forth.

2. A music-leaf turner comprising a shelf, a housing hinged to said shelf, a catch to secure said housing to said shelf, a semicircular guide secured to said shelf, a support on each end of said shelf, a plurality of leaf-holders normally supported by said guide and said supports, an oscillating lever adapted to engage the said holders at one side of the guide and transfer them onto the other side thereof and means for actuating said lever, substantially as and for the purpose set forth.

3. A music-leaf turner comprising a shelf, a housing removably attached to said shelf, a semicircular guide secured to said shelf, a support on each end of said shelf, a plurality of leaf-holders normally supported by said guide and said supports, an oscillating lever, dog and pawl on said lever to engage successively each of the said holders and means for oscillating the said lever substantially as and for the purposes set forth.

4. A music-leaf turner comprising a shelf, a semicircular guide secured to said shelf, a support on each end of said shelf, a plurality of leaf-holders normally supported by said guide and said supports, an oscillating lever, a dog and pawl on said lever to engage successively each of the said holders, means for disengaging said dog and pawl from said holders, and means for oscillating said lever substantially as and for the purposes set forth.

5. A music-leaf turner comprising a shelf a housing hinged to said shelf, a semicircular guide secured to said shelf, a support on each end of said shelf, a plurality of leaf-holders normally supported by said guide and said supports, a lever, a gear-sector on said lever, a shaft for said lever and sector, a gear-sector pivoted on said housing and meshing with said lever-sector, a dog and pawl on said lever, means for raising and lowering said lever and means for operating said last-named gear-sector, substantially as and for the purposes set forth.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE PARIS.

Witnesses:

FRANK E. ZIEGLER,  
HERMANN BORMANN.