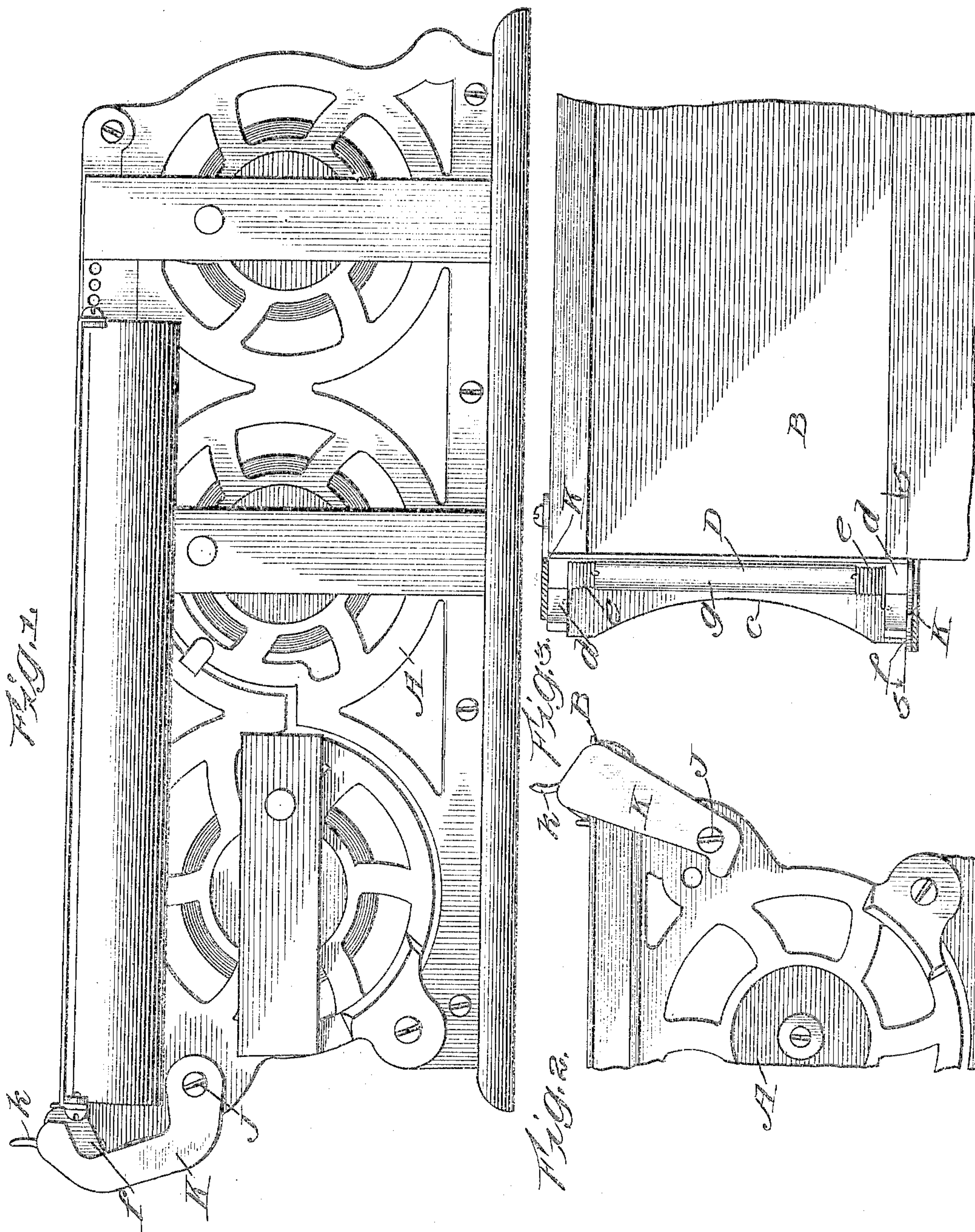


No. 793,762.

PATENTED JULY 4, 1905.

E. J. BARKER.
AUTOGRAPHIC REGISTER.
APPLICATION FILED OCT. 21, 1904.

2 SHEETS—SHEET 1.



Witnesses:
O. M. Hemmich
E. K. Lundy.

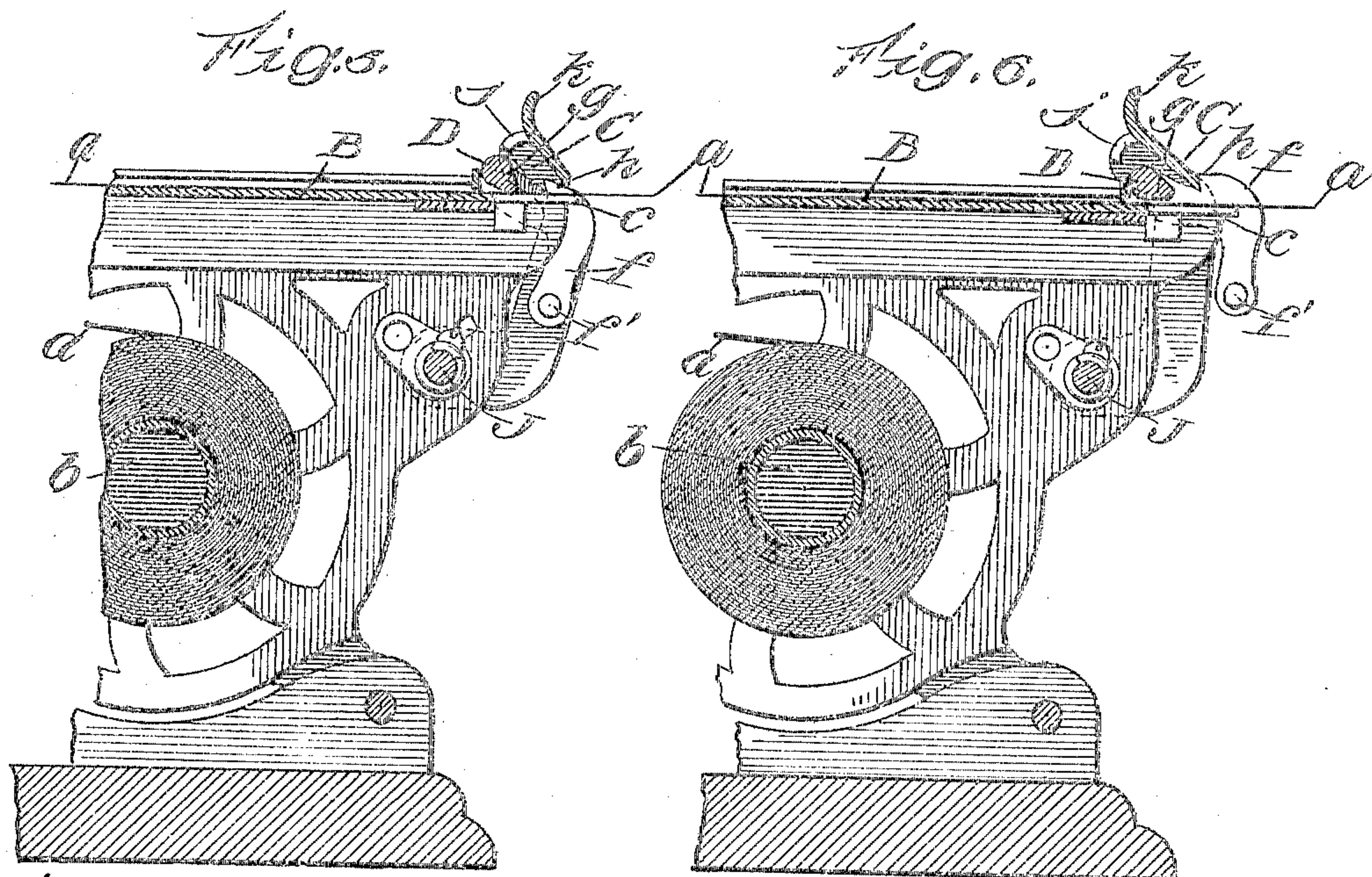
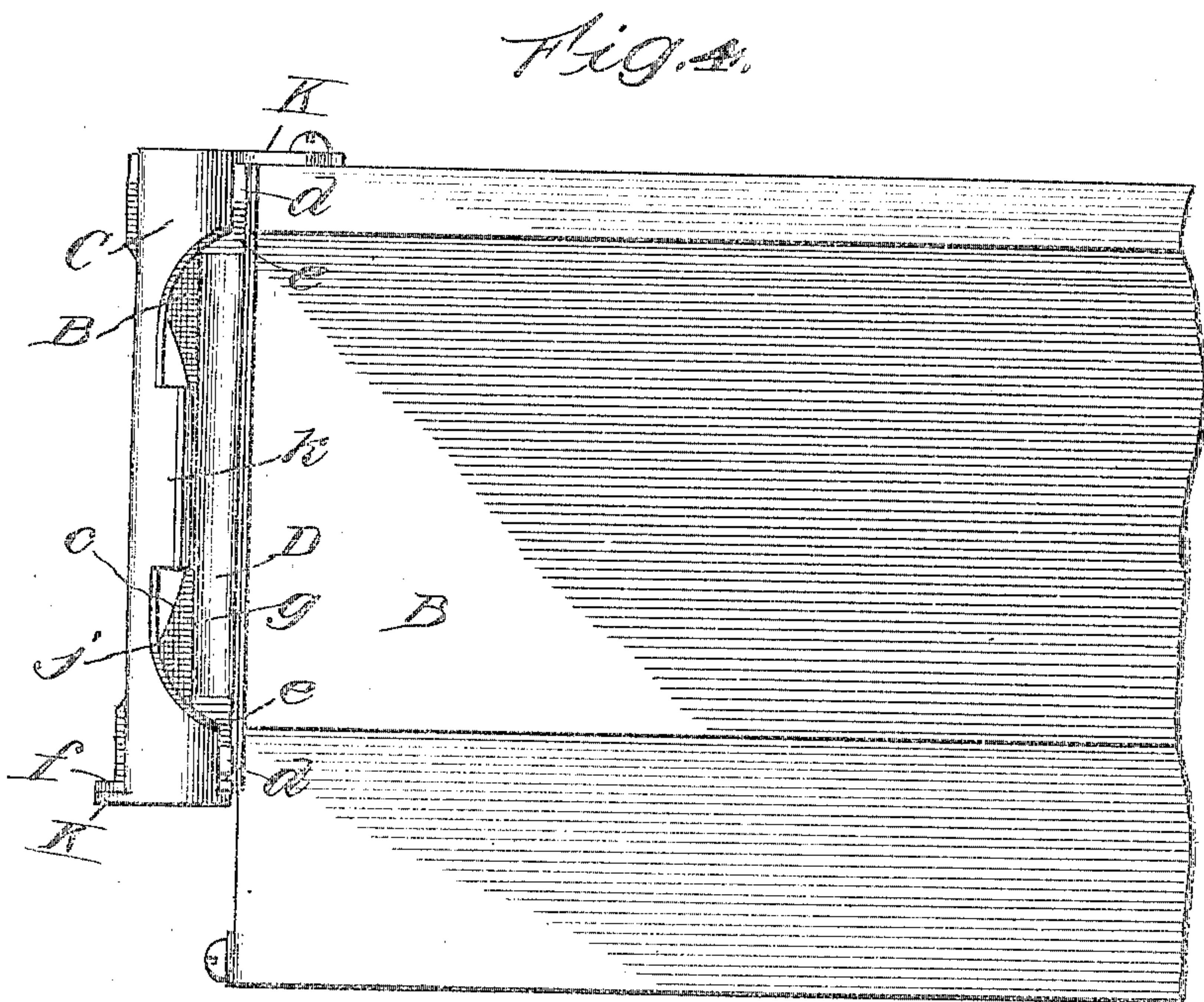
Inventor:
England J. Barker.
By Frank D. Thomson
Attorney.

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England J. Barker.
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Attorney

UNITED STATES PATENT OFFICE.

ENGLAND J. BARKER, OF MORGAN PARK, ILLINOIS.

AUTOGRAPHIC REGISTER.

SPECIFICATION forming part of Letters Patent No. 793,762, dated July 4, 1905.

Application filed October 21, 1904. Serial No. 229,478.

To all whom it may concern:

Be it known that I, ENGLAND J. BARKER, a citizen of the United States, and a resident of Morgan Park, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Autographic Registers, of which the following is a full, clear, and exact specification.

The object of my invention is to provide simple and desirable improvements in autographic registers whereby the end of the record-strip used in connection therewith is prevented from buckling on the bed supporting the same before it reaches the cutting-blade, except when it is so desired, and which can be so manipulated that when it is desired to pull the said strip backward can be raised and locked and at the same time raise and lock said cutting-blade, so as not to interfere with the withdrawal of the strip. This I accomplish by the means hereinafter fully described and as particularly pointed out in the claims.

In the drawings, Figure 1 is a side elevation of an autographic register having my improvements applied thereto. Fig. 2 is a side elevation of the broken-away end portion of the said register to which said improvements are applied. Fig. 3 is a plan view of said broken-away end portion with the cutting-blade removed. Fig. 4 is a similar view with the cutting-blade present. Fig. 5 is a longitudinal central section taken on line 5 5, Fig. 3, looking in the direction indicated by the arrows, showing the devices for locking the advanced end of the record-strip and the cutting-blade down. Fig. 6 is a similar view showing the said locking devices and the cutting-blade up.

In the drawings, A represents the body of an autographic register of a well-known and extensively-used design, and B represents the head or platform over which the record-strips *a* from the rolls *b* pass from the rear of the machine to the end thereof, out from which the advanced end of the record extends and is withdrawn. The end of the bed, out over which the record is withdrawn, is provided with a central recessed portion *c*, so that when the cutting-blade C is raised the record can

be grasped by the fingers both above and below to pull it out, and resting on and secured to the side edges of this end portion of the bed are bearings *d d*, in which the ends of the clamping-bar D are journaled. Near its bearings bar D is reduced in diameter and made cylindrical and surrounded by coil torsion-springs *e e*, one end of which is secured to said bar and the other end to the bearings *d d*, and between these springs *e e* said bar is extended laterally, as shown in Figs. 5 and 6 of the drawings, to provide a presser-foot *g*, which is kept normally bearing down upon the bed B by said torsion-springs *e*. One end of bar D extends through its bearings and has an L-shaped arm *f* secured thereto, which is preferably made of sheet metal, and has an inwardly-projecting pin or handle *f'* on the extremity of its downwardly-turned portion to afford a hand-grasp therefor. Between the bearings of the bar D and the elbow of arm *f* the latter has a tooth *h* cut therein, the office of which will hereinafter more fully appear.

The cutting-blade C extends transversely over the end of the bed and has its sharpened edge normally bearing upon said bed near the adjacent end edge thereof, and from this point it inclines upward and backward and has its rear edge rolled down partially over the bar D. The rear edge of the central portion of this bar is cut away, as at *j*, to expose the said bar to view, and the edge of the central portion of this recess is provided with a rearwardly-projecting tongue, which curls upward to provide a finger-grasp *k*, that can be manipulated with equal facility by either a right or left handed person to raise the cutting-blade whenever it is desired to pull out the record-strip. This cutting-blade has its ends integrally connected to flat downwardly-extending arms K K, which are of suitable shape and have their lower ends secured to the ends of a spring-returnable rock-shaft J, that projects beyond the bearings thereof in the side frames of the body of the register.

In operating the register it is not necessary to raise the clamping-bar, but only to raise the cutting-blade when it is desired to pull the record-strip out of the machine, because

the inclination of the presser-foot of said bar toward the adjacent end of the bed permits the cutting-blade to be raised through the medium of finger-grasp *k* without affecting the clamping-bar. When, however, it is desired to draw said record-strip backward out from under the clamping-bar, it is necessary to raise not only the latter, but the cutting-blade as well. When arm *f*' is raised, it bears against the sharp edge of and lifts the cutting-blade at the same time until said sharp edge catches in the tooth *h* of said arm, whereupon the effort of the cutting-blade to return to its normal position, as shown in Fig. 5, considering the difference in the distance from the centers of motion of the engaging points of the arm *f* and the sharp edge of the cutting-blade, will keep both the clamping-bar and cutting-blade raised, as shown in Fig. 6. When it is desired to restore said clamping-bar and cutting-blade to their normal positions, all that it is necessary to do is to raise the cutting-blade slightly higher. This releases the clamping-bar and permits the cutting-blade to be dropped to its original position.

What I claim as new is—

1. An autographic register comprising a bed; a hinged cutting-blade the cutting edge of which normally bears down upon the same; a clamping-bar the ends of which are suitably journaled; and means below said blade and in contact with the cutting edge thereof for turning said bar on its axis which means when raised lifts said cutting-blade.

2. An autographic register comprising a bed; a returnable hinged cutting-blade the cutting edge of which normally bears down upon the same; a returnable clamping-bar the ends of which are suitably journaled; and an arm on the end thereof and in contact with the cutting edge of said blade for turning the bar on its axis which arm when raised lifts said cutting-blade.

3. An autographic register comprising a bed; a returnable hinged cutting-blade the cutting edge of which normally bears down upon the same; a returnable clamping-bar the ends of which are suitably journaled; and an arm on the end thereof for turning the bar on its axis which arm has a notch in the upper edge and which when raised lifts said cutting-blade and when the cutting edge thereof enters said notch is together with said blade locked in its raised position.

4. An autographic register comprising a bed; and a hinged cutting-blade the sharpened edge of which normally rests upon said bed and has its ends provided with over-

hanging downturned portions, which blade is inclined upward and rearward having the central portion of its rear cut-away edge curled upward to form an integral hand-grasp.

5. An autographic register comprising a bed; and a hinged cutting-blade the sharpened edge of which normally rests upon said bed and has its ends provided with overhanging downturned portions, which blade is inclined upward and rearward having the central portion of its rear edge cut away and the edge of the recess midway its length provided with an integral upturned tongue or hand-grasp.

6. An autographic register comprising a bed; a hinged cutting-blade the sharpened edge of which normally rests upon said bed and has its ends provided with overhanging downturned portions, which blade is inclined upward and rearward having the central portion of its rear edge curled upward to form an integral hand-grasp; and a clamping-bar located below and parallel to said cutting-blade.

7. An autographic register comprising a bed; a returnable hinged cutting-blade the sharpened end of which normally rests upon said bed and which is inclined upward and rearward and has the central portion of its rear edge cut away and the edge of the recess midway its length provided with an integral upturned tongue or hand-grasp; a returnable clamping-bar located below and parallel to said cutting-bar, the ends of which are suitably journaled; and means for moving said clamping-bar on its axis which when raised lifts said cutting-blade.

8. An autographic register comprising a bed; a returnable hinged cutting-blade the sharpened edge of which normally rests upon said bed and which is inclined upward and rearward and has the central portion of its rear edge curled upward to form an integral hand-grasp; a returnable clamping-bar the ends of which are suitably journaled; and an arm on the end thereof for moving said bar on its axis which has a notch in its upper edge and which when raised lifts said cutting-blade and when the cutting edge of the latter enters said notch is together with said blade locked in its raised position.

In testimony whereof I have hereunto set my hand this 8th day of October, 1904.

ENGLAND J. BARKER.

Witnesses:

CHAS. A. BARKER,
E. K. LUNDY.