

L. STEIGERT.
Meat Cutting Machine.

No. 234,499.

Patented Nov. 16, 1880.

Fig. 1.

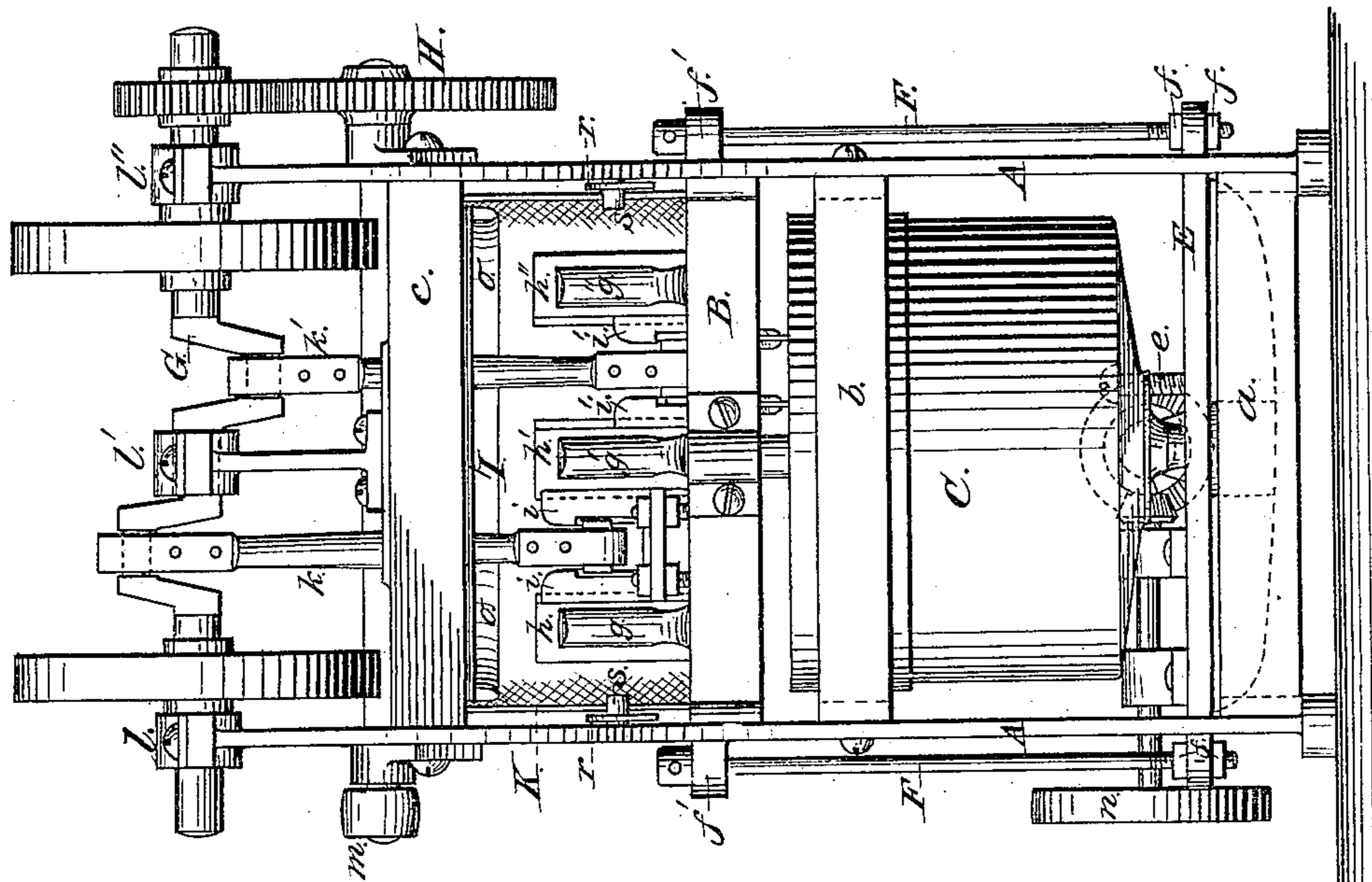
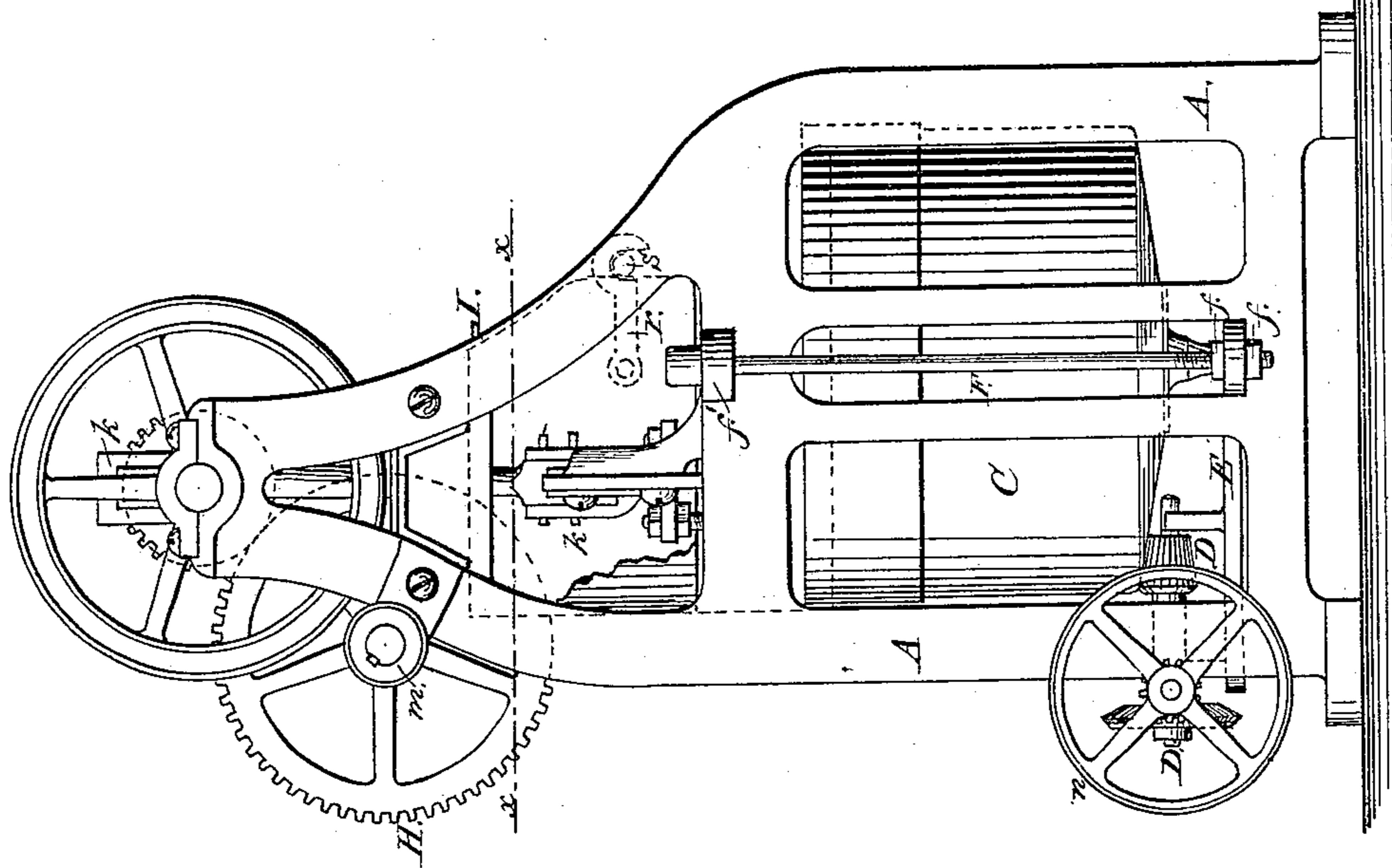


Fig. 2.



Witnesses:

Wm. Renaw
Jas. S. Hey.

Inventor:

Leopold Steigert

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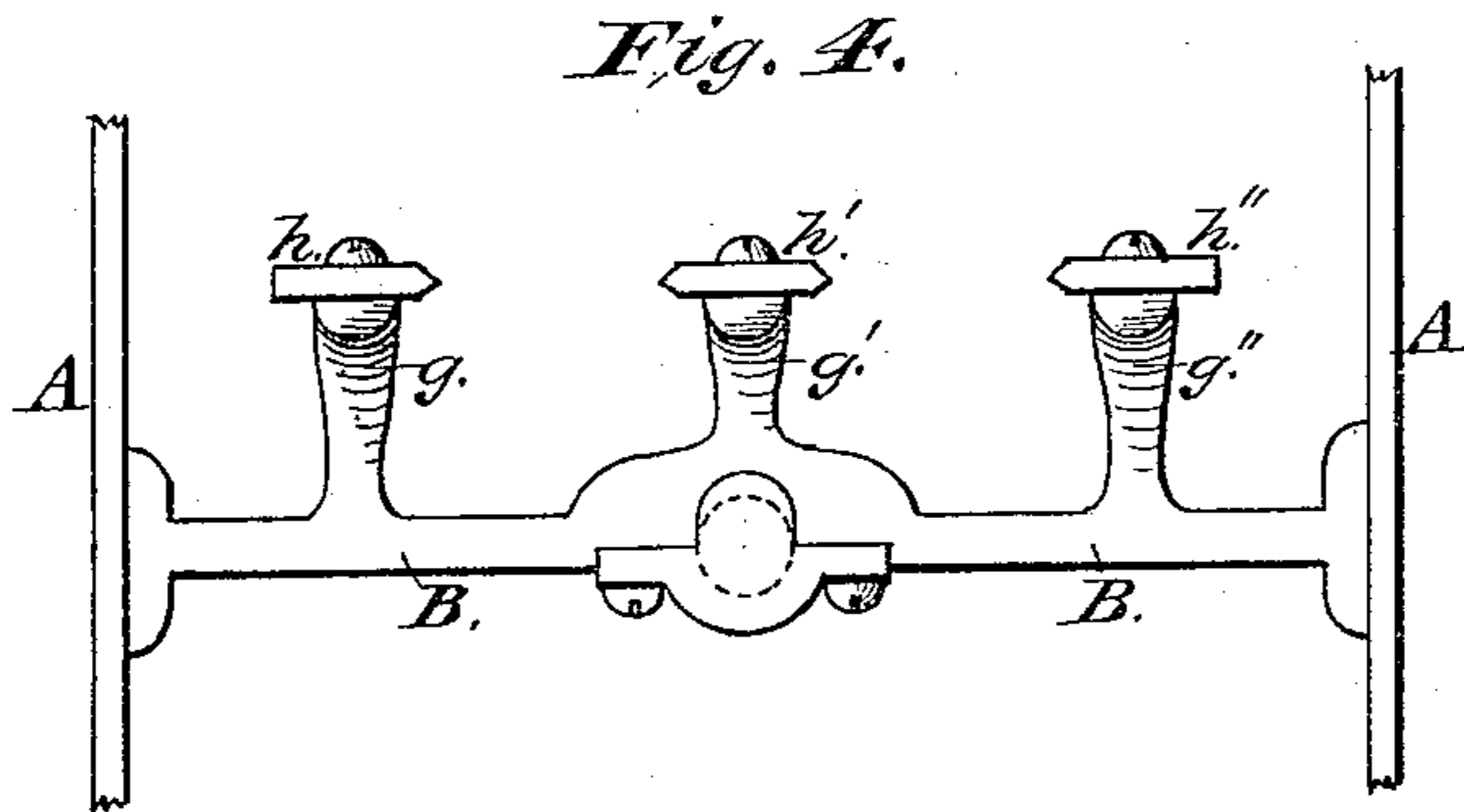
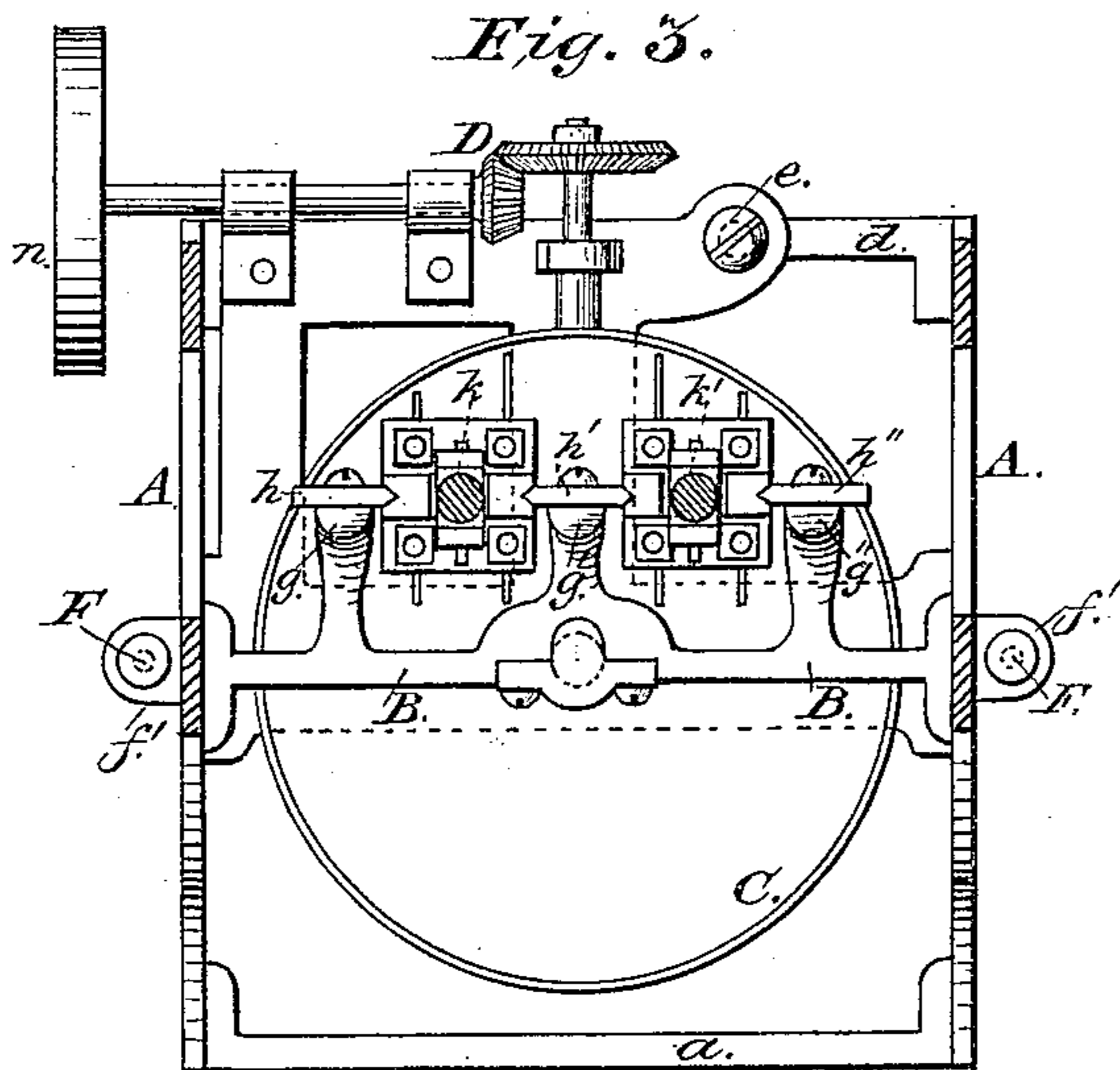


Fig. 6.

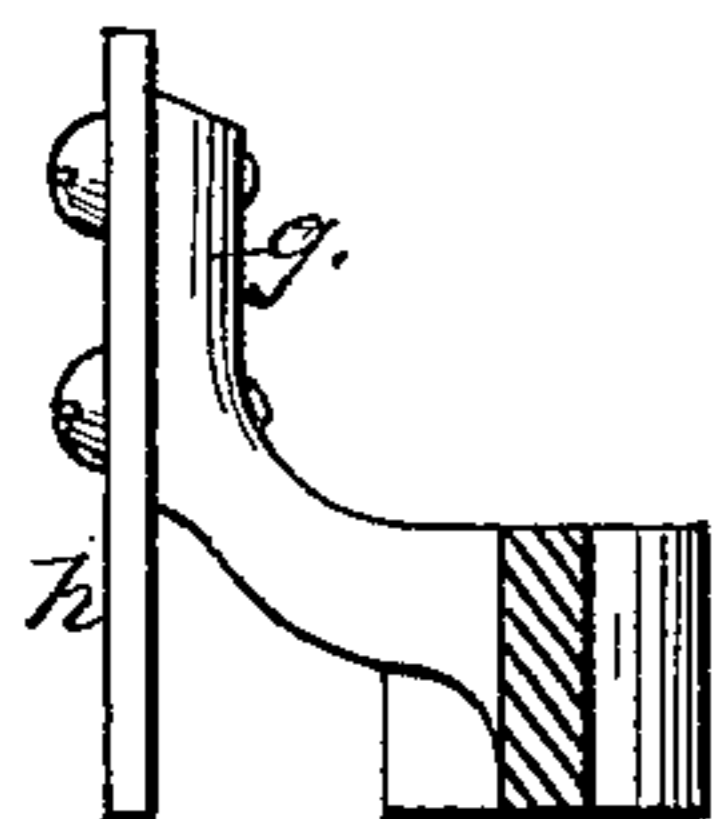
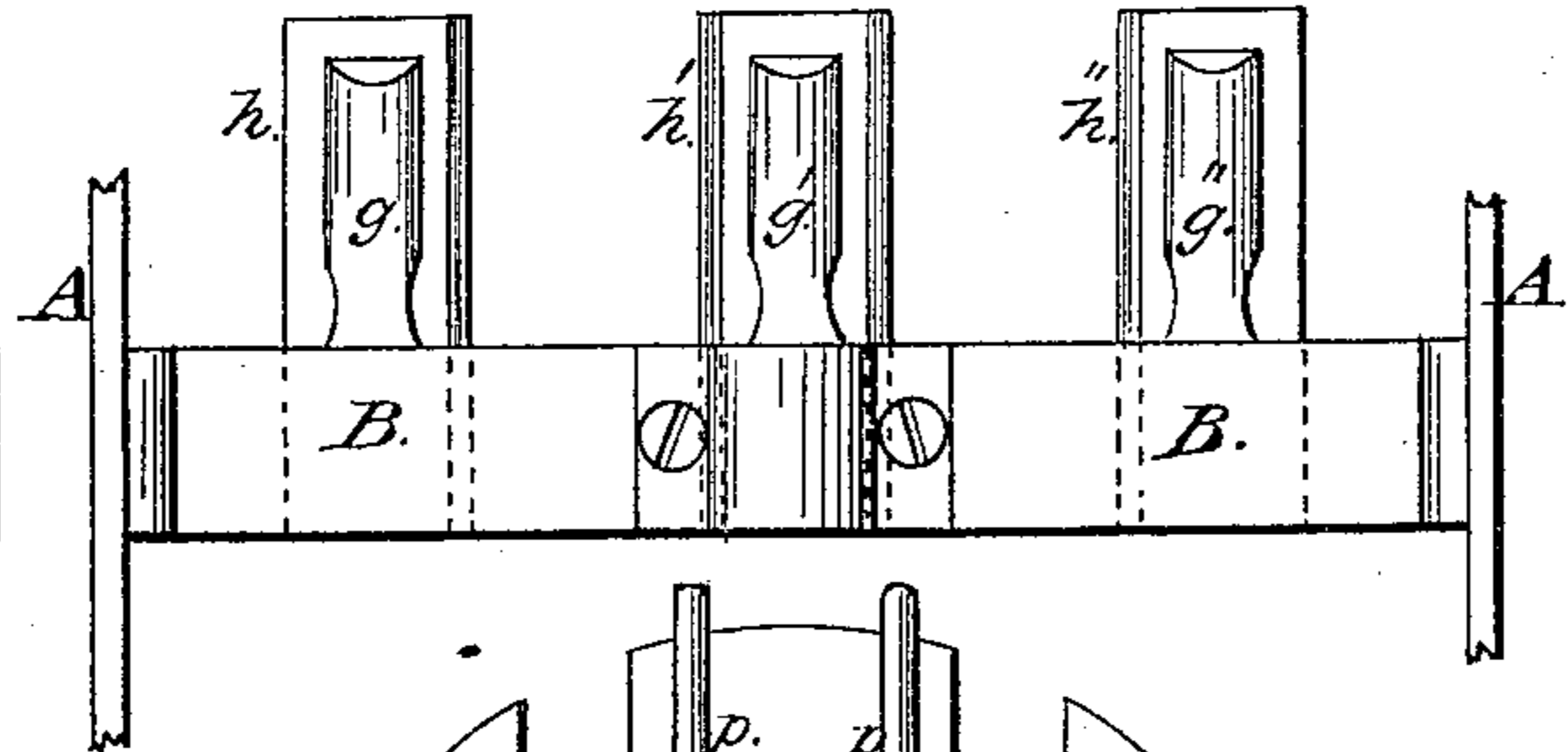


Fig. 5.



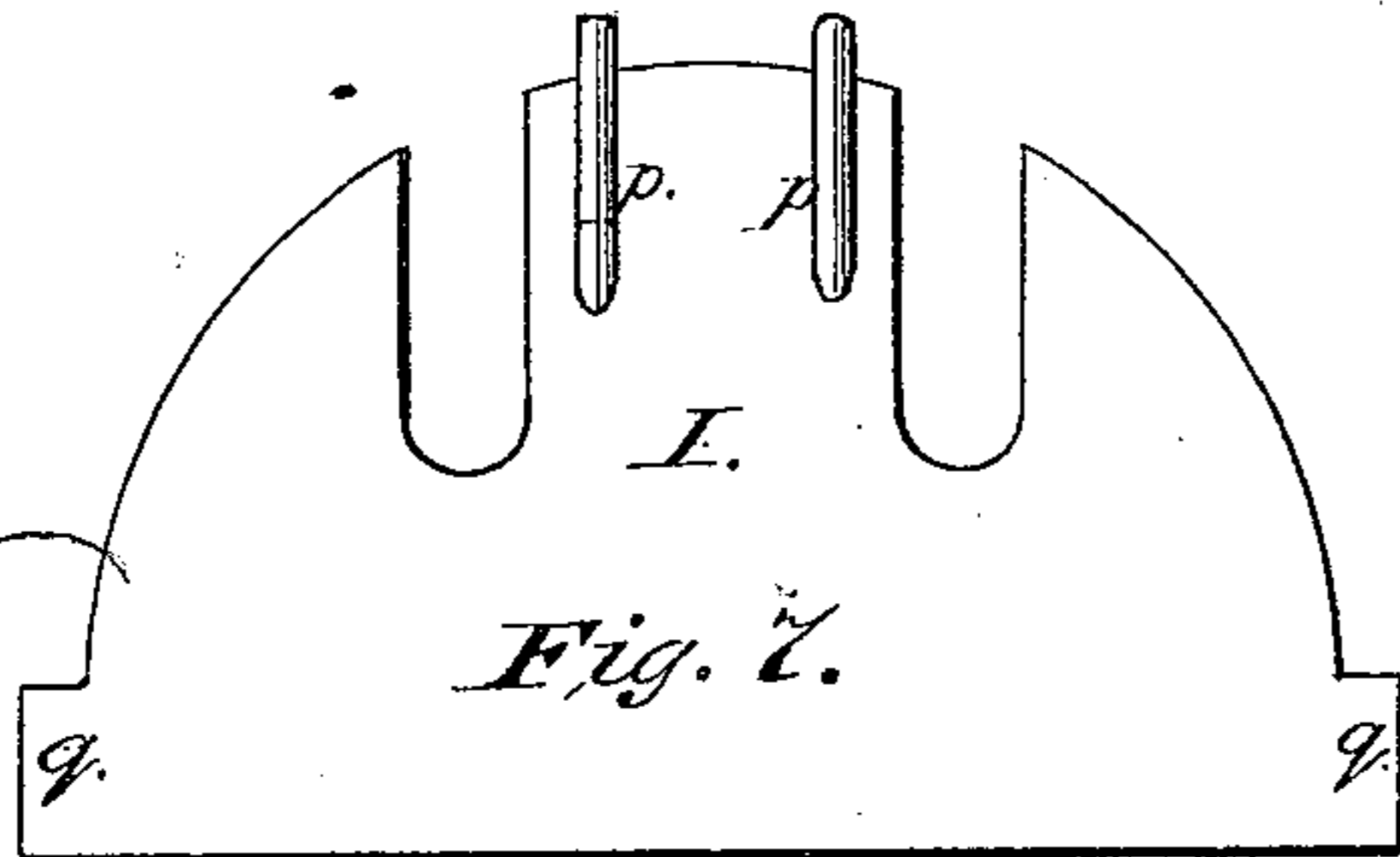
Witnesses:

Wm. Renau.
Wm. H. Sey.

Inventor:

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Fig. 7.



UNITED STATES PATENT OFFICE.

LEOPOLD STEIGERT, OF CINCINNATI, OHIO.

MEAT-CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 234,499, dated November 16, 1880.

Application filed January 14, 1880.

To all whom it may concern :

Be it known that I, LEOPOLD STEIGERT, of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Meat-Cutting Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to meat-cutting machines, and the object is to produce a simple, clean, and compact machine.

The invention consists in the construction and arrangement of parts, as will be more fully described in the following specification, reference being had to the accompanying drawings and the letters of reference marked thereon.

Like letters refer to like parts in the drawings, in which—

Figure 1 represents a front elevation of my machine. Fig. 2 is a side view of the same. Fig. 3 is a horizontal section on line *x x*. Figs. 4, 5, and 6 are enlarged detail views of the brace with brackets cast thereon and the guides secured thereto. Fig. 7 is a plan view of the horizontal shield above the guides and cutting-knives.

In the drawings the main parts of the machine are of the ordinary construction, in which A represents a suitable frame, with brace-pieces *a, b, c, d*, and B, which hold and secure the side pieces of the frame together. In the lower part of this frame is arranged the usual chopping-block C, which is revolved by suitable gearing, D, supported on frame E, which is made adjustable by a set-screw, *e*, and two rods, F F, having clamp-nuts *f*, one on each side of the frame, and passing through lugs *f'*, cast on the side pieces of the frame. By this adjustable frame the chopping-block can be raised up toward the knives as it is worn off.

Immediately above the chopping-block is arranged the main brace B, which forms a bearing in the center for the ends of the shaft. To the rear side of this brace are cast the brackets *g g' g''*, having a flat face, to which the guides *h h' h''* are firmly secured by bolts or rivets. By thus casting the brackets in one

piece with the brace greater rigidity is attained, and the guides are not liable to work loose, as also less fitting is necessary.

The cross-heads *i i'*, with the knives attached, slide upon the guides and are operated by the connecting-rods *k k'*, which connect to the crank-shaft G, journaled in bearings *l l' l''*, and motion is imparted to it by the gearing H, which likewise imparts motion to the chopping-block by pulleys *m* and *n*.

To the brace *c* is cast or secured in any manner a semicircular flange, *o*, which supports the horizontal shield or guard I, (shown best in Fig. 7,) and it has two pins or lugs, *p*, at its rear side, that enter suitable holes at the rear part of the flange *o*, while the front end of said shield is supported by notches in said flange, into which the projections *q* enter. By means of this shield all impurities from above are kept from mixing with the meat, and the chopped meat is prevented from being thrown above among the cranks and gearing.

A semicircular shield or guard, K, is removably attached to the frame A by means of hooks *r* and pins *s*, so that it can be quickly removed, when desired, for repairing any broken parts, or for detaching the knives when they need sharpening, or for removing the meat, &c.

Instead of the hooks and pins, set-screws may be used.

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

1. In a meat-cutting machine, the brace B, having the brackets *g g' g''*, cast in one piece, for firmly securing the guides *h h' h''*, constructed substantially as shown and herein described.

2. A meat-cutting machine consisting of a frame, A, adjustable chopping-block C, with its frame E and gearing D, the brace B, having brackets *g g' g''*, the shields or guards I K, secured as described, the cross-heads *i i'*, connecting-rods *k k'*, and crank-shaft G, with its driving mechanism, all constructed and arranged substantially as shown and described.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

LEOPOLD STEIGERT.

Witnesses:

WM. RENAU,
WM. L. KEY.