

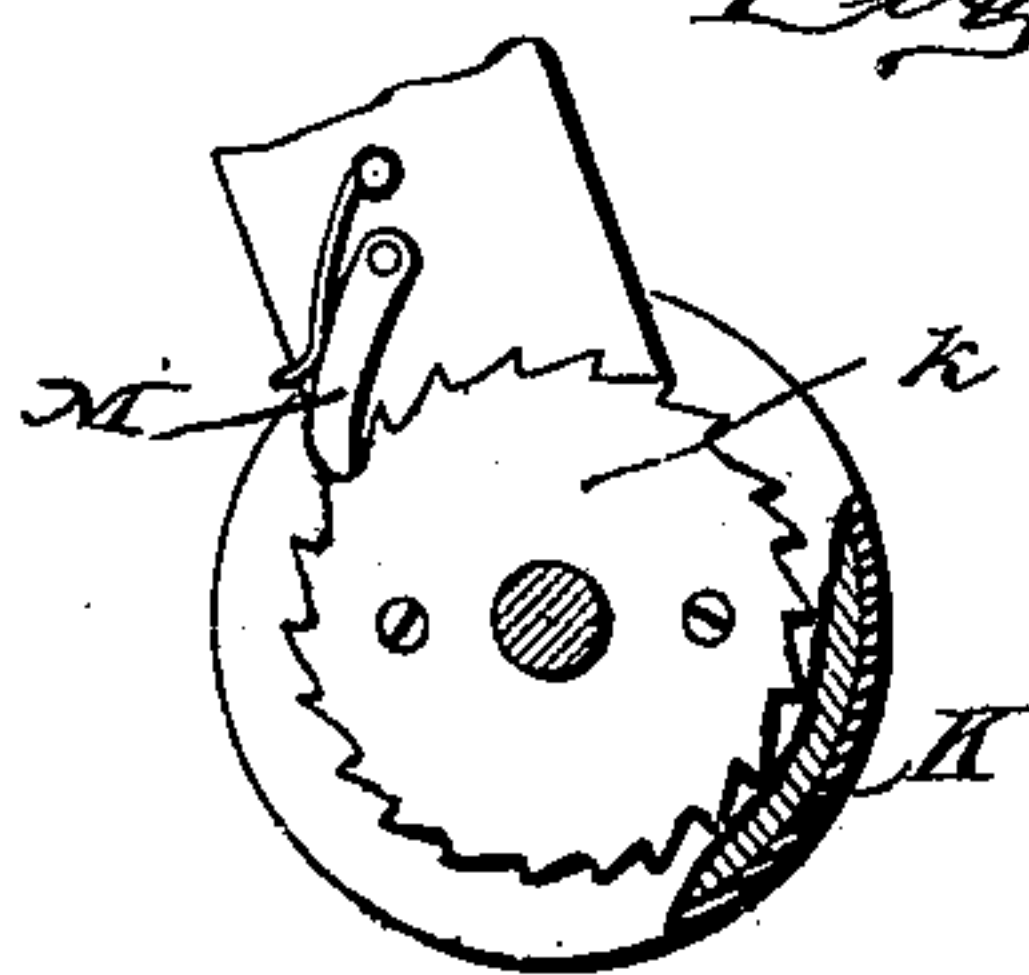
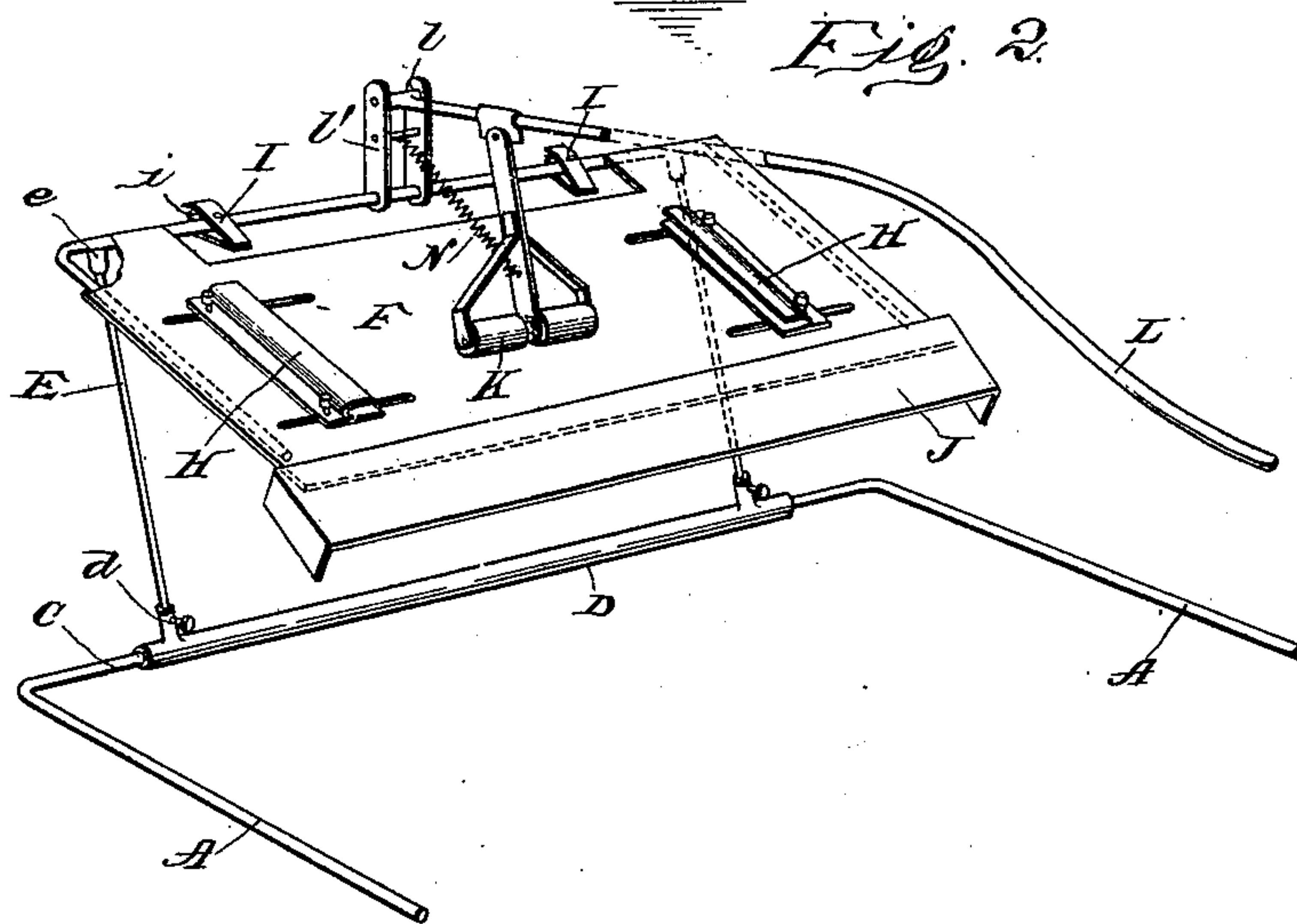
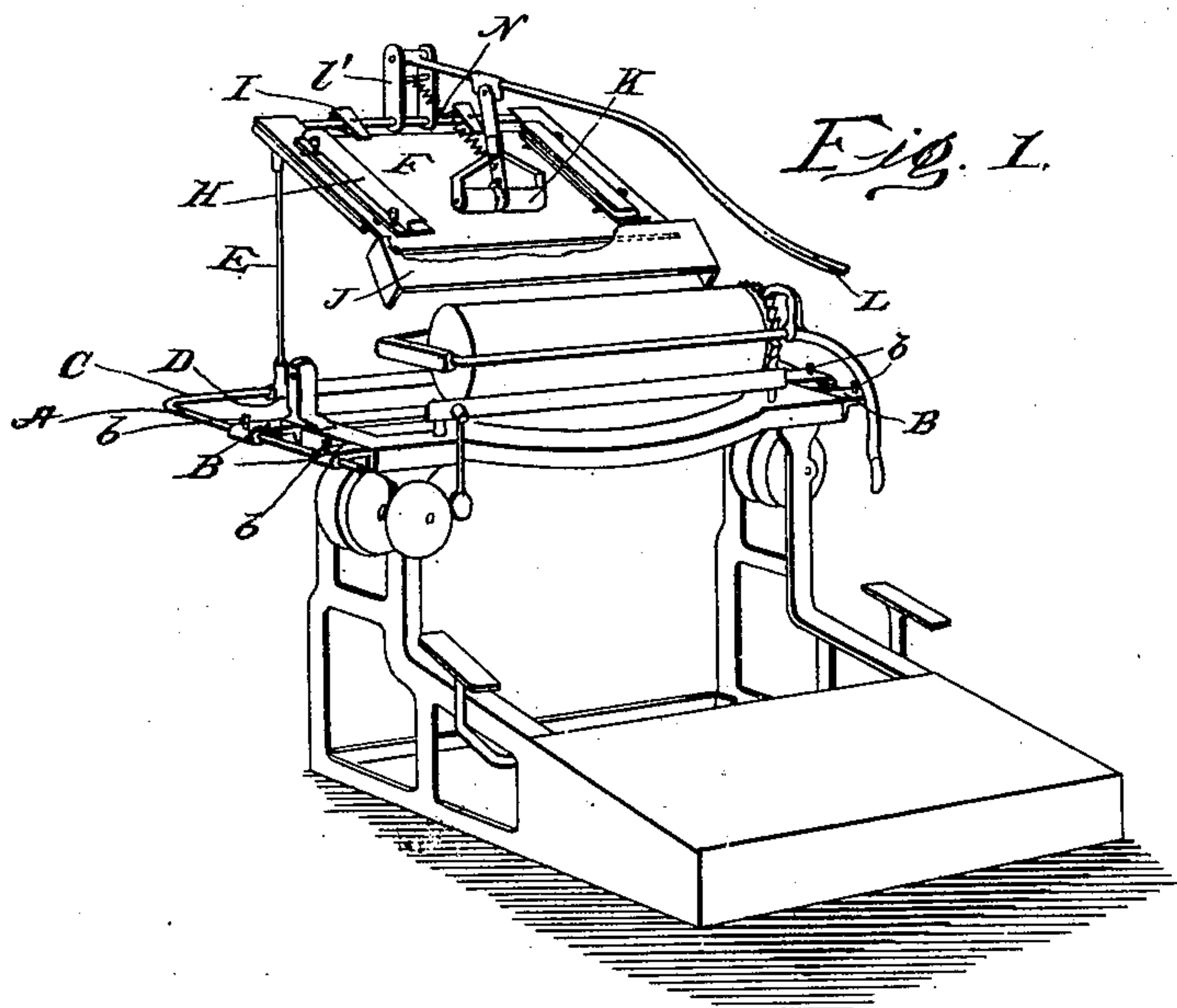
(No Model.)

C. E. JONES.

TYPE WRITING MACHINE BLANK FEEDER.

No. 594,831.

Patented Nov. 30, 1897.



WITNESSES

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CHARLES E. JONES, OF CATLETTSBURG, KENTUCKY.

TYPE-WRITING-MACHINE BLANK-FEEDER.

SPECIFICATION forming part of Letters Patent No. 594,831, dated November 30, 1897.

Application filed July 31, 1896. Serial No. 601,213. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. JONES, a citizen of the United States, residing at Catlettsburg, in the county of Boyd and State of Kentucky, have invented certain new and useful Improvements in Type-Writer Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in attachments to type-writers; and it has for its objects, among others, to provide a simple and cheap attachment readily applied to a type-writer of known construction for feeding paper, such as telegraph-blanks for telegraph-operators who use the type-writer and have to grab the receiving-blanks placed in the machine.

My device comprises means whereby the blanks are held and fed to the platen of the machine as needed. Means are provided whereby adjustment is made to compensate for the different-sized blanks. The blank-holders may be readily removed and refilled when desired, it being designed to have at least two sets with each attachment or feeder.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view showing the application of the invention. Fig. 2 is a detail of the attachment. Fig. 3 is a cross-section through the same.

Like letters of reference are employed to indicate like parts in the various views.

Referring now to the details of the drawings by letter, A A designate rods or bars which are adjustably mounted in the plates or clamps B, in which they are held by set-screws or analogous means *b*, and which plates or clamps are designed to be attached to the type-writer frame in any suitable manner. The rods A are connected by the transverse rod or bar C, upon which is sleeved the sleeve

D, adapted to be moved lengthwise thereof, and from opposite ends of this sleeve extend the sockets *d*, in which are received the supporting-rods E, which at their upper ends engage in sockets *e*, extending from the under side of the plate or base F of the holder.

The base or plate F has the flanges or gages H rendered adjustable in any suitable manner, so that any size of blank may be used.

I is a holder provided with spring-clamps *i*, by which the blanks are held at their upper edge. This holder is supported upon the base F of the device, while at the lower end is the guide-plate J, back of which the blanks are fed onto the roller or platen of the type-writer.

K is a roller, preferably covered with rubber or felt or some analogous material, resting upon the uppermost blank and provided with a ratchet *k*, by which it is rotated through the medium of the lever L, pivotally mounted, as at *l*, on the standard or riser *l'* at the upper end of the base or plate F and carrying a pawl M, adapted to engage the ratchet when the lever is depressed. The spring N acts upon the arm connected with the lever to normally hold it uppermost and out of operative engagement with the ratchet. When the lever is depressed, the roller is moved downward toward the platen of the machine, pulling with it the uppermost blank, which it draws from the catches and the blank drops into the type-writer, and when pressure is relieved from the lever the spring returns the parts to their normal position ready to be again actuated to move down the next blank.

The roller K, that feeds the paper or blanks to the type-writer, works on a ratchet, and the roller does not revolve on its downward course. When pressure is applied to the lever, the ratchet makes it impossible for the roller to revolve on its downward course, and the roller being covered with rubber causes a strong pull on the paper as the blanks or paper are held in the feeder by a sharp-edged piece of material. The paper is placed down over the same, and a large number of sheets or blanks can be placed in the feeder at one time. The rollers rest on top of the blanks, and by a very light pressure on the lever the blanks, one at a time only, are pulled from

the same down to the type-writer, and when said pressure on said lever is released the spring pulls the roller back to its place ready for the next action. The roller revolves only
5 on its upward course.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as new is—

10 1. The combination with the rods and the transverse rod, of the sleeve thereon, the supporting-rods extending therefrom, the base-plate, and the gages thereon, substantially as specified.

15 2. The combination with the rods and the transverse rod, of the sleeve thereon, the supporting-rods extending therefrom, the base-plate and the gages thereon, and means for adjusting the gages.

20 3. The combination with the rods and the transverse rod, of the sleeve thereon, the supporting-rods extending therefrom, the base-plate and the gages thereon, means for adjusting the gages, a roller adapted to bear
25 upon the uppermost sheet, a lever and connections whereby the roller is moved and rotated at the same time, substantially as specified.

30 4. The combination with the rods and the transverse rod, of the sleeve thereon, the supporting-rods extending therefrom, the base-plate and the gages thereon, means for adjusting the gages, a roller adapted to bear upon the uppermost sheet, a lever and con-
35 nections whereby the roller is moved and rotated at the same time, and a spring acting upon the roller to return the same and the

lever to their normal positions, substantially as specified.

5. The combination with the rods and the 40 transverse rod, of the sleeve thereon, the supporting-rods extending therefrom, the base-plate and the gages thereon, means for adjusting the gages, a roller adapted to bear upon the uppermost sheet, a lever and con- 45 nections whereby the roller is moved and rotated at the same time, and a spring acting upon the roller to return the same and the lever to their normal positions, and a guide- 50 plate at the lower end of the gages for guiding the paper to the platen of the type-writer, substantially as specified.

6. The combination with the rods and the transverse rod, of the sleeve thereon, the sup- 55 porting-rods extending therefrom, the base-plate and the gages thereon, means for adjusting the gages, a roller adapted to bear upon the uppermost sheet, a lever and con- nections whereby the roller is moved and ro- 60 tated at the same time, and a spring acting upon the roller to return the same and the lever to their normal positions, and a guide- plate at the lower end of the gages for guid- ing the paper to the platen of the type-writer, and a spring acting on said sleeve, substan- 65 tially as specified.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES E. JONES.

Witnesses:

M. L. JACKSON,
WARFIELD LEE.