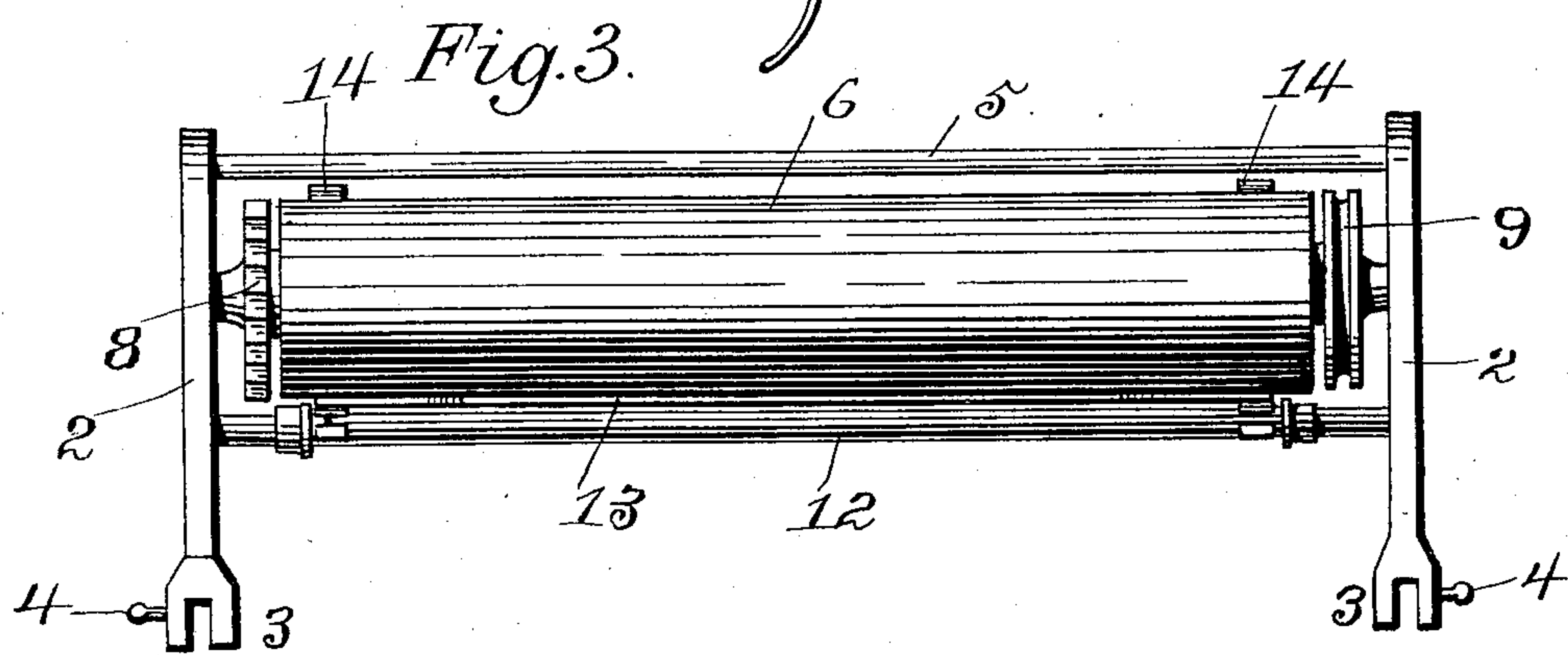
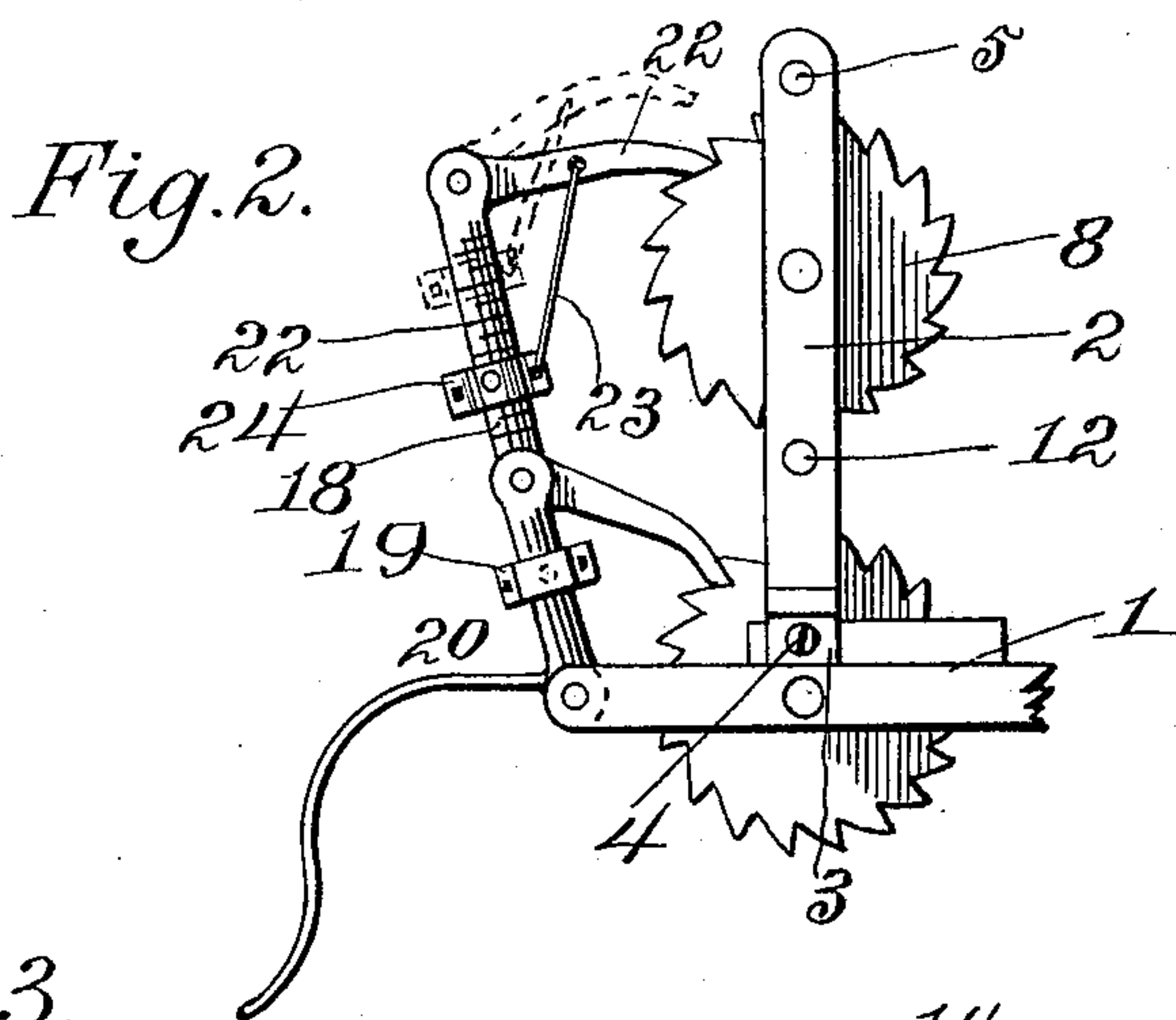
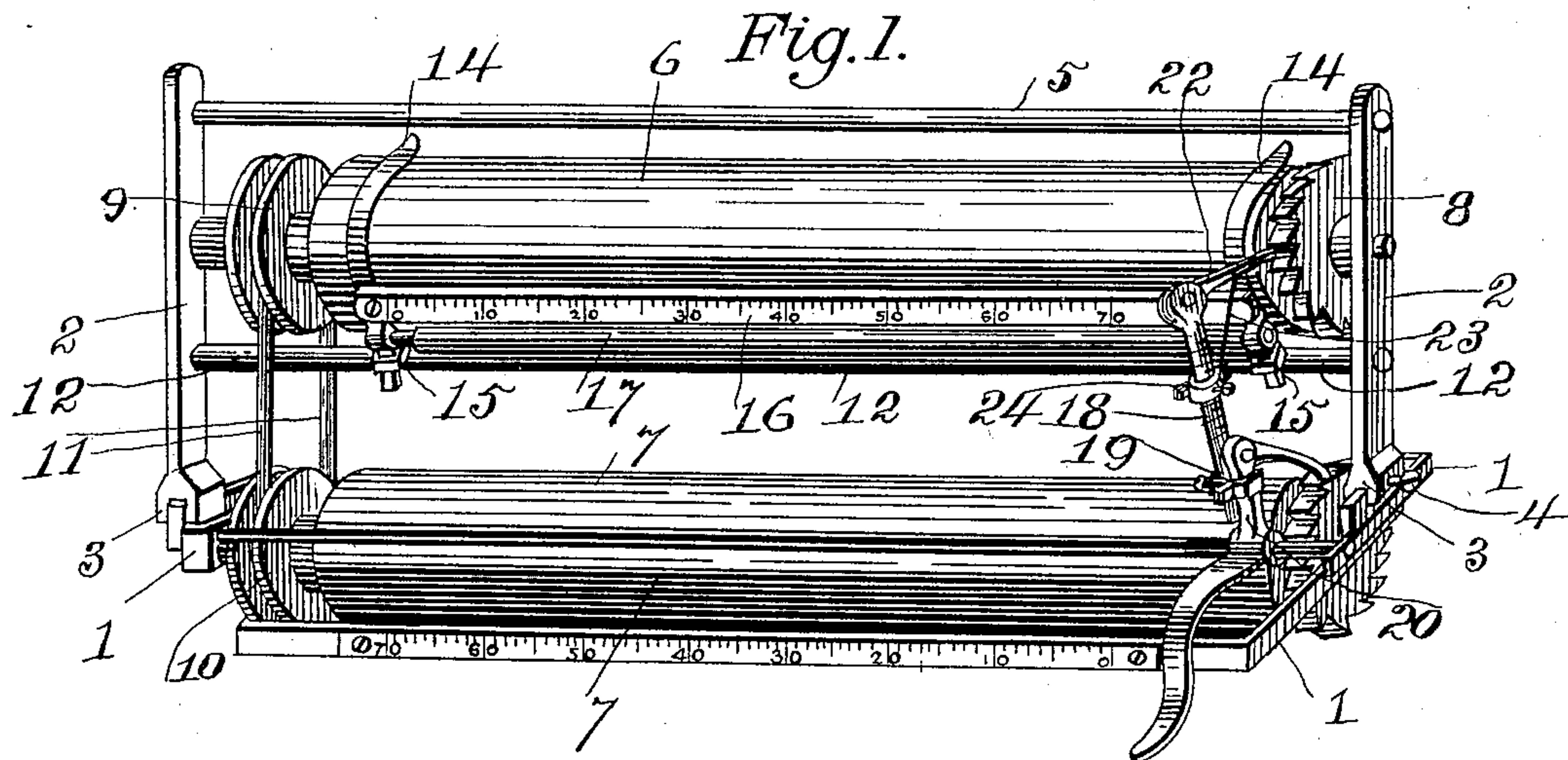


(No Model.)

E. B. BINGHAM.
COPY HOLDER FOR TYPE WRITING MACHINES.

No. 589,330.

Patented Aug. 31, 1897.



Witnesses:
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UNITED STATES PATENT OFFICE.

ELI B. BINGHAM, OF WELLSTON, OHIO.

COPY-HOLDER FOR TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 589,330, dated August 31, 1897.

Application filed April 29, 1897. Serial No. 634,409. (No model.)

To all whom it may concern.

Be it known that I, ELI B. BINGHAM, a citizen of the United States, residing at Wellston, in the county of Jackson and State of Ohio, have invented certain new and useful Improvements in Copy-Holders for Type-Writing Machines; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to copy-holders, and particularly to an attachment for type-writers for automatically feeding the copy with the feed of the paper being written upon.

The object of the invention is to provide a copy-holder adapted to be detachably secured to the carriage of any standard type-writing machine to automatically feed the copy with the feed of the paper being written upon.

A further object of the invention is to provide means for automatically feeding one or more lines of the copy to one line of the matter being written, or one or more lines of the matter being written to one line of the copy, or feeding the copy and the paper being written upon equally.

Other objects and advantages accruing from my attachment will be revealed in the specification and claims to follow.

The invention consists in the novel construction and arrangement of parts, as will be hereinafter pointed out.

In the accompanying drawings, forming part of this application, Figure 1 is a perspective view of a type-writer carriage with my copy holder and feeder attached; Fig. 2, an end view showing in dotted lines the copy-feed pawl out of engagement with the ratchet-teeth on the end of the feed-roller; Fig. 3, a rear view of the copy-holder detached from the carriage.

The same numeral references denote the same parts throughout the several figures of the drawings.

Secured to the carriage 1 of the type-writing machine are two uprights 2, having forked or slotted ends 3 and a set-screw 4. This

forked end sets over the said frame 1 and is held in place by said set-screws 4. The top ends of the uprights 2 are joined by a cross bar or rod 5. This completes the copy-holder frame.

The copy-feed roller 6 is a substantial duplication of the ordinary type-writer platen 7, having a ratchet-wheel 8 upon one end and a pulley 9 upon the other end. A like pulley 10 is secured to the end of the platen-roller 7, and a belt 11 connects these pulleys.

A bar 12 is secured at each end to the uprights 2 and carries the paper-table 13 in the rear of the copy-roller 6. Springs 14 are secured at 15 to the bar 12 and engage the copy-roller 6 and have a scale-guide 16 secured to them. Between the point of attachment 15 of the springs and said scale-guide is journaled a presser-roller 17, between which and the roller 6 the copy is fed equally with the platen 7 by turning the latter, so that with every movement of the platen the same movement is automatically imparted to the copy-roller 6. The mechanism for varying the movement or feed of the copy-roller 6 relative to the movement of the platen 7 consists of a lever 18, attached at 19 to the line-space lever 20 of the type-writer, and has a scale 21. A pawl 22 is pivoted to the lever 18, and a controlling-rod 23 is secured at one end to the pawl 22 and pivoted at the other end to a clamp 24, adjustably secured to the lever 18, so that when it is desired to change the movement of the copy-roller relative to the movement of the platen the clamp 24 is adjusted accordingly to the scale 21, the scale being graduated in equal space to the teeth of the ratchet 18.

When it is desired to have the copy-roller move equally with the platen, as hereinbefore described, the clamp is run upward on the lever 18 until the pawl 22 will stand clear of the ratchet 8 and the copy-roller is operated by the belt. The latter may be dispensed with and the pawl adjusted to operate the copy-roller even with the platen.

It will be observed that by the arrangement of parts shown and described the copy is always in full view of the operator, each line being copied from stands just above the scale-guide 16. The copy is inserted into the holder

exactly like the paper to be written upon is in any of the standard machines and follows around the copy-roller 6 under the rod or bar 5.

It is obvious that my holder may be applied 5 to any standard machine and may be readily attached and detached, as desired.

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

10 1. In a copy holder and feeder for type-writing machines, the frame adapted to be applied to the carriage of the machine, the rollers in the frame, and a pawl connected to the line-space lever of the machine to operate 15 said rollers, as set forth.

2. The combination with the copy-holder frame adapted to be applied to the carriage of a type-writing machine, and the rollers in the frame, of a lever secured to the line-space 20 lever of the machine, and a pawl to operate the said frame-rollers automatically with the platen of the machine, as set forth.

3. The combination with the copy-holder frame adapted to be secured to the carriage

of a type-writing machine, and the rollers in 25 said frame, of the lever having a scale and secured to the line-space lever of the machine, a pawl, a clamp on the scale-lever, and a controlling-rod connected to the pawl and to the said clamp, as set forth. 30

4. The combination with the platen of a type-writing machine having a pulley, a copy-roller suspended from the carriage of the machine and having a pulley and a belt connected to the pulleys, of means for varying 35 the movement of the copy-rollers relative to the movement of the platen, comprising a scale-lever fixed to the line-space lever of the machine, a pawl pivoted to the scale-lever, a clamp adjustably secured to the scale-lever, 40 and a controlling-rod connected to the pawl and to the said clamp, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ELI B. BINGHAM.

Witnesses:

T. S. HOGAN,
C. C. MCCORMICK.