

(No Model.)

G. P. FENNER.

GRIPPER MOTION FOR PRINTING MACHINES.

No. 408,603.

Patented Aug. 6, 1889.

Fig. 2.

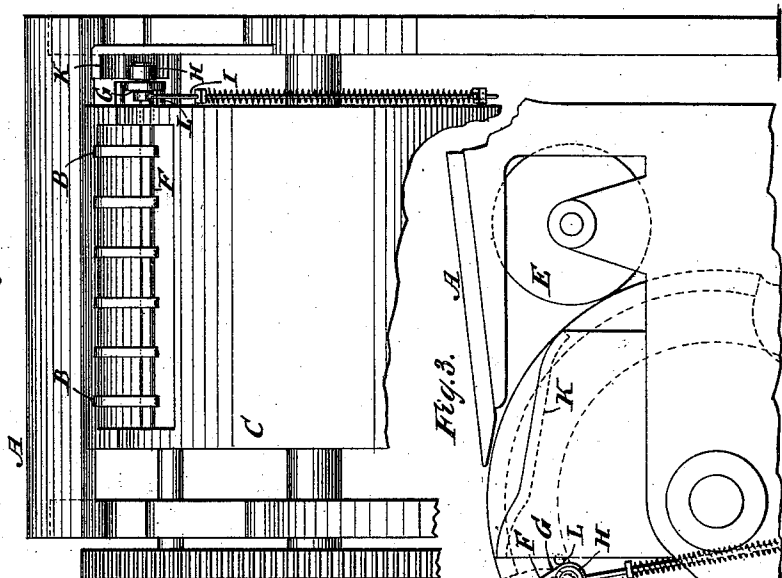


Fig. 3.

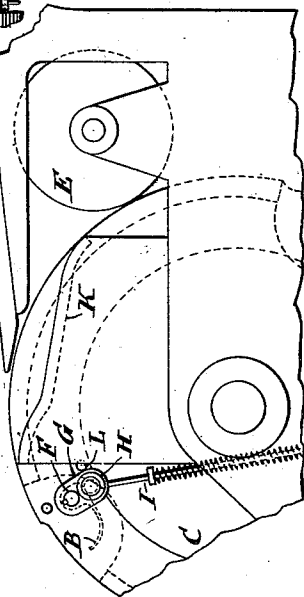
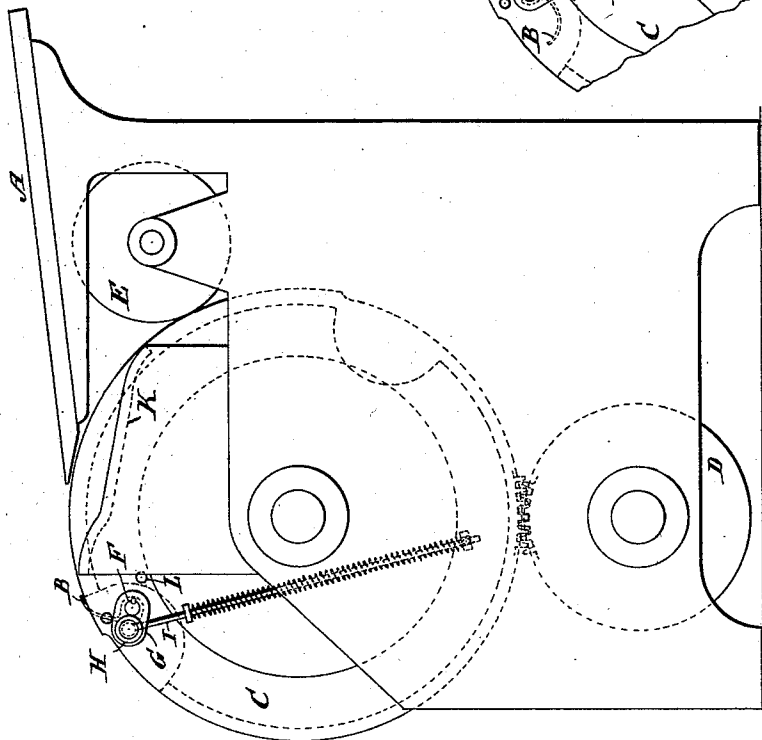


Fig. 1.



WITNESSES:

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GRIPPER-MOTION FOR PRINTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 408,603, dated August 6, 1889.

Application filed March 14, 1889. Serial No. 303,288. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. FENNER, a citizen of the United States, residing at New London, in the county of New London and State of Connecticut, have invented new and useful Improvements in Gripper-Motions for Printing-Machines, of which the following is a specification.

This invention relates to an improvement in printing-presses, and by means of this invention the grippers, when desired, can be kept out of action while the impression-cylinder keeps rotating, as set forth in the following specification and claims and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a printing-press. Fig. 2 is a front view of Fig. 1. Fig. 3 is a side elevation like Fig. 1, with parts in a different position than in Fig. 1.

Similar letters indicate corresponding parts.

The sheet to be printed is fed off the feed-board A and grasped by the gripper-fingers B on the impression-cylinder C, and after having passed the type-bed D the printed sheet is taken off by a suitable delivery mechanism E. The gripper-fingers B are secured to the shaft F, having a lever or arm G with a roller-stud H. The spring-rod I in the position of parts shown in Fig. 1 acts on the arm G so as to press the fingers B into the gripping position. As the cylinder C rotates, the stud H strikes against the cam K, thus swinging the arm G so as to grip the fingers B, and when the roller H has passed the cam K the spring-rod I moves

the fingers B back to the gripping position. When it is desired to have the fingers out of action during the entire rotation of the cylinder A, the arm G is swung against the stop L, Fig. 3. In this position the spring-rod I holds the arm G against said stop L, and the fingers B are idle, while the roller H is out of reach of the cam K, so that the cylinder A can continue to rotate without the roller H striking the cam K.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the gripper-shaft F, having fingers or grippers, and an arm G, provided with a stud H, of a cam K for said stud, said shaft being rotatably mounted so that the stud H can be swung out of action while the cylinder is rotating, and means, substantially as described, for holding the stud out of action.

2. The combination, with the gripper-shaft F, having fingers or grippers, and an arm G, provided with a stud H, of a cam K for said stud, a spring-rod I, and a stop L, for holding the stud in position out of reach of the cam, substantially as described.

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

GEORGE P. FENNER.

Witnesses:

GEORGE COLFAX,
A. S. BENHAM.