2 Sheets—Sheet 1.

J. J. ALLRED.

EYELETTING-MACHINE.

No. 169,398. Patented Nov. 2, 1875.

Fig. 1.

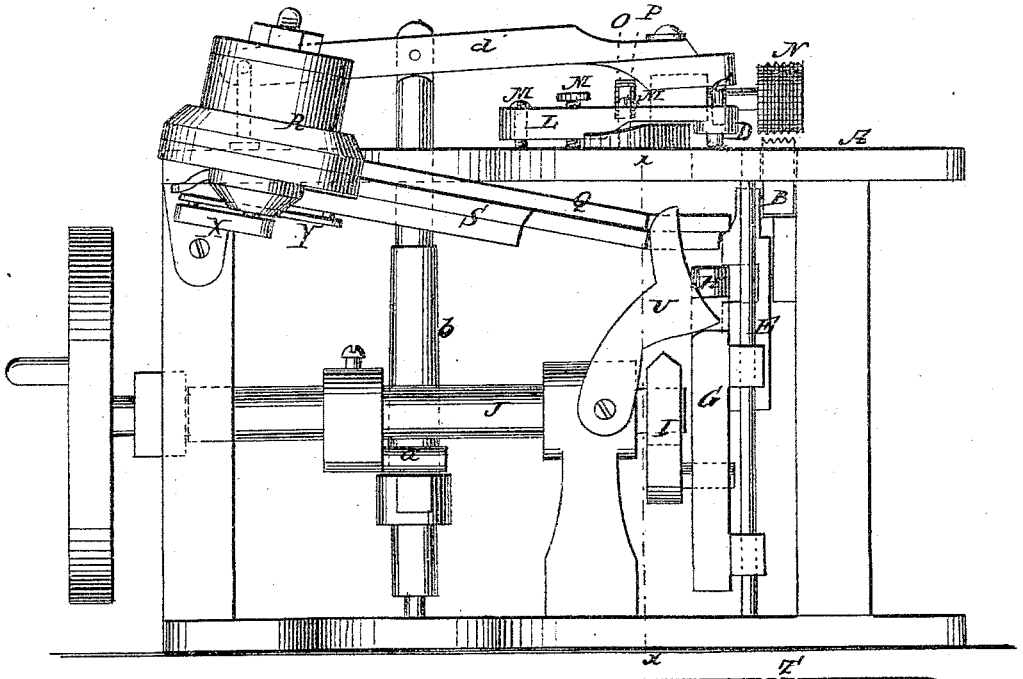
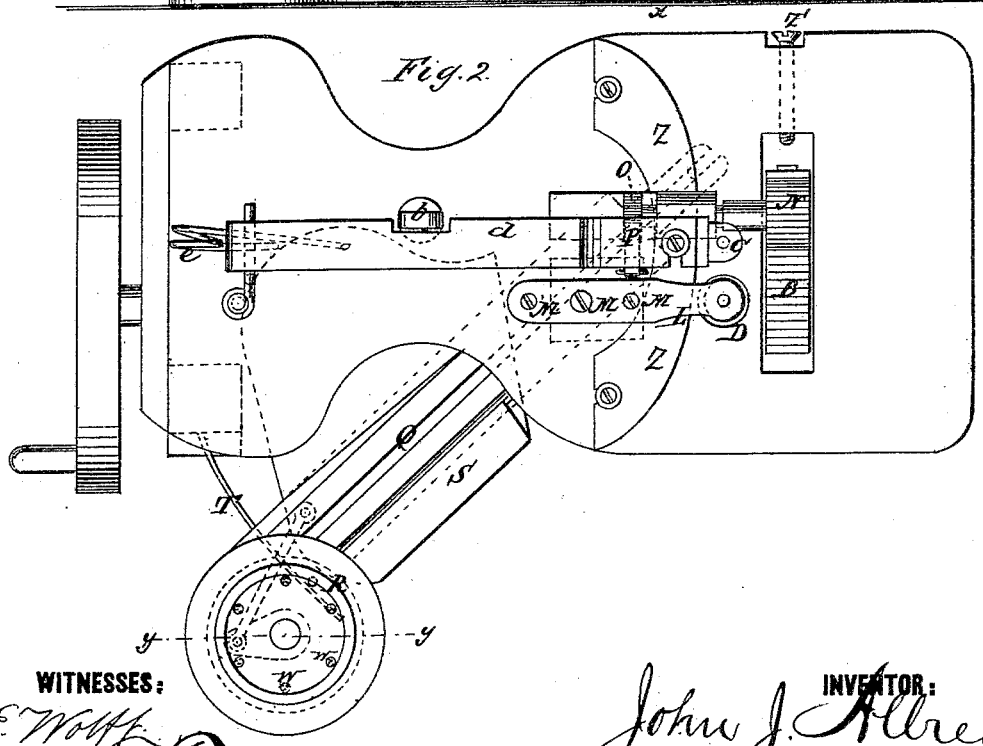


Fig. 2.



WITNESSES:

E. Wolff.

A. F. Terry

INVENTOR:

John J. Allred

BY

ATTORNEYS.

2 Sheets—Sheet 2.

J. J. ALLRED.

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Fig. 4.

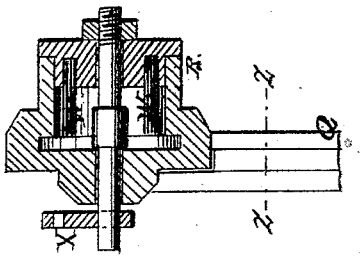


Fig. 5.

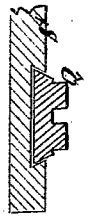
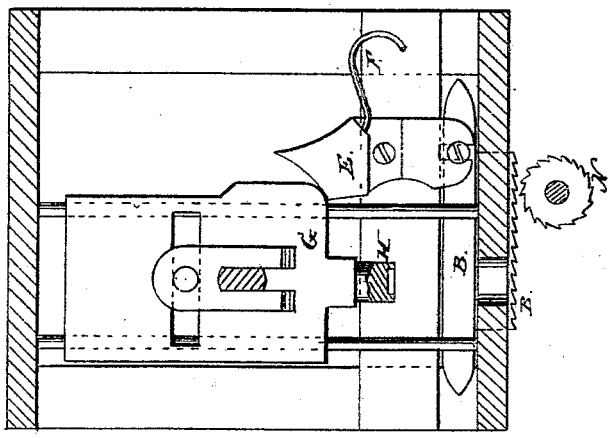


Fig. 3.



WITNESSES:

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John J. Allred

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UNITED STATES PATENT OFFICE.

JOHN J. ALLRED, OF CHARLOTTE, NORTH CAROLINA, ASSIGNOR TO HIMSELF AND ALSON G. JORDAN, OF SAME PLACE.

IMPROVEMENT IN EYELETING-MACHINES.

Specification forming part of Letters Patent No. **169,398**, dated November 2, 1875; application filed June 5, 1875.

To all whom it may concern:

Be it known that I, JOHN J. ALLRED, of Charlotte, in the county of Mecklenburg and State of North Carolina, have invented a new and Improved Eyeleting-Machine, of which the following is a specification:

In this improved machine the magazine containing the eyelets and the chute for conducting them to the inserting-tool slide forward to carry the eyelet over the tool by a spring, and are forced back by a cam-lever worked by the slide of the tool, and in going back they work the feeder, by which the eyelets are delivered from the magazine into the chute. The slide of the inserting-tool also works the feed, and the punch is worked by a cam on the driving-shaft and a spring, all being arranged so as to make a simple and efficient machine.

Figure 1 is a side elevation of my improved machine. Fig. 2 is a plan view. Fig. 3 is a section on line *x x* of Fig. 1. Fig. 4 is a section of the magazine on line *y y*, and Fig. 5 is a section of the chute on the line *z z*.

Similar letters of reference indicate corresponding parts.

A is the table, along which the work is fed by the feeder B, to pass under the punch C and the header D. The feed-slide B is worked by a rock-lever, E, and spring F. The rock-lever is worked by the slide G, which carries the inserting-tool H, and this slide is worked by the crank I of the driving-shaft J. The heading-tool D is arranged directly over the inserting-tool in a support, L, fastened on the table by adjusting-screws M, so as to raise and lower it as wanted, and over the feed-plate B is a roller, N, with a roughened or pointed face, for holding the work when the plate moves back, the roller being held by the pawl O and ratchet P. Q is the chute, down which the eyelets slide from the magazine R into the inserting-tool H; it is fixed so as to slide up and down in the support S, to present the eyelets over the tool H and move back out of the way; it is moved down by the spring T and up by the lever U, and the lever is worked by the slide G. The eyelets are brushed out of the magazine R into the chute by the brush W, which is turned forward and backward by the arm X and the rod Y as the magazine and the chute slide up and down. Z is an adjustable gage, by which to regulate the work relatively to the punch and the inserting-tool, and Z′ is an adjusting-screw, by which to regulate the feed of the work. The punch is forced down by the cam *a* on the driving-shaft rod *b* and lever *d*, and it is raised by the spring *e*.

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

1. The combination of the feed-slide B, lever E, spring F, and the slide G of the inserting-tool, substantially as specified.

2. The combination, with chute Q, spring T, lever U, and the slide G, of the inserting-tool, substantially as specified.

3. The combination of roller N, ratchet O, and pawl P with the reciprocating sliding feed B, substantially as specified.

JOHN J. ALLRED.

Witnesses:

J. MCKNITT ALEXANDER,

W. J. DUNCAN.