

No. 878,442.

PATENTED FEB. 4, 1908.

R. G. WOODWARD.
SEWING MACHINE.
APPLICATION FILED OCT. 27, 1906.

Fig. 1.

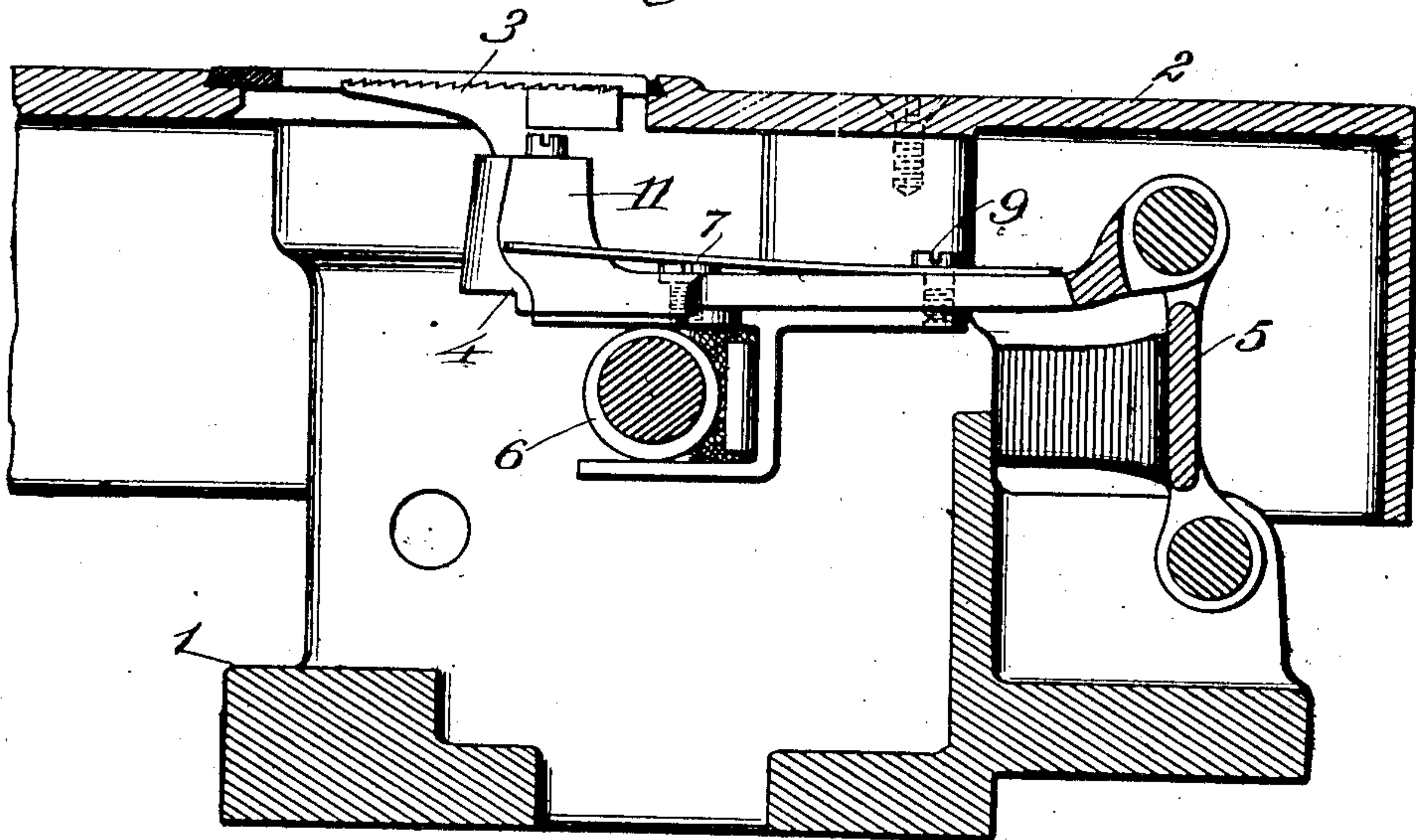


Fig. 2.

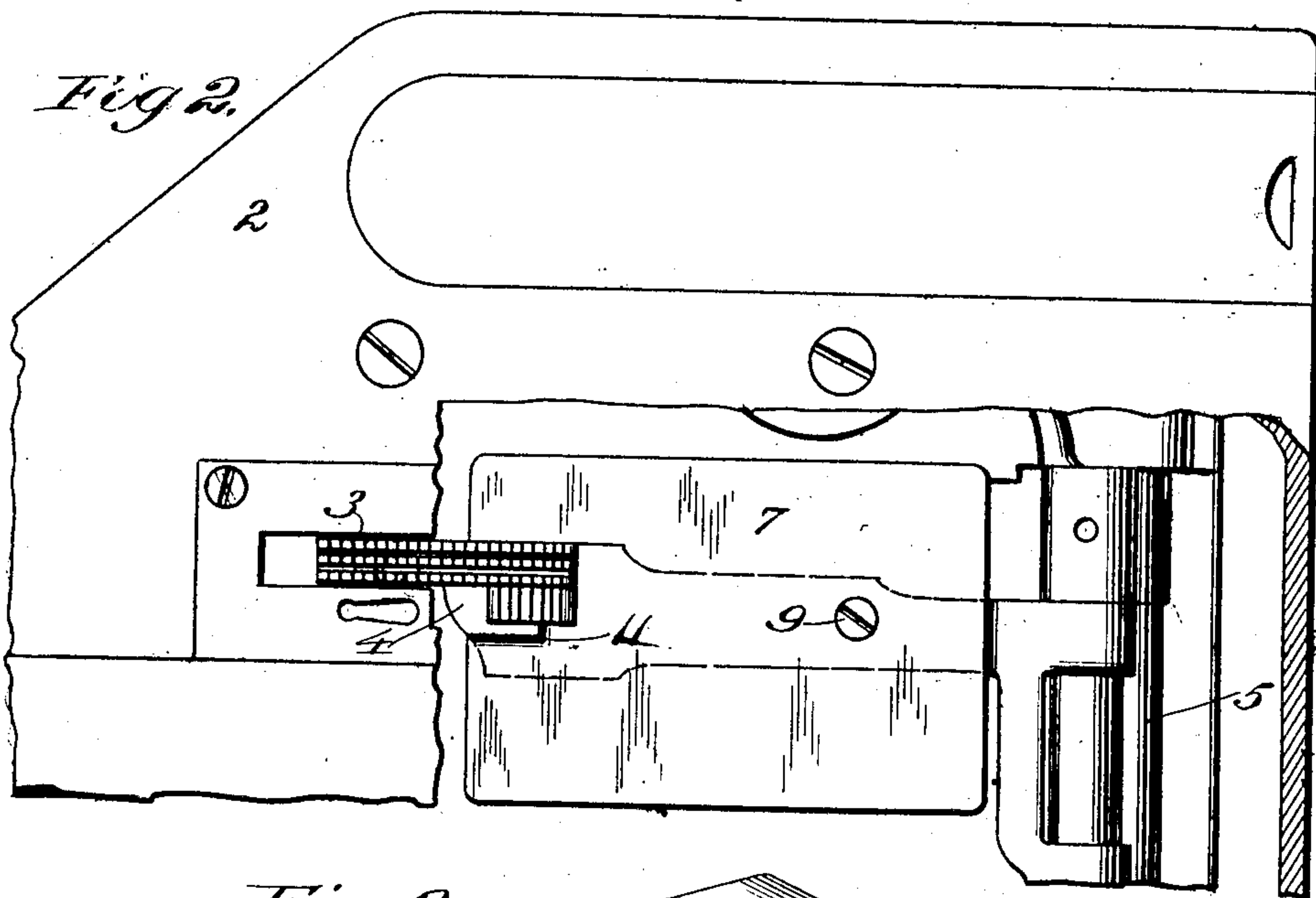
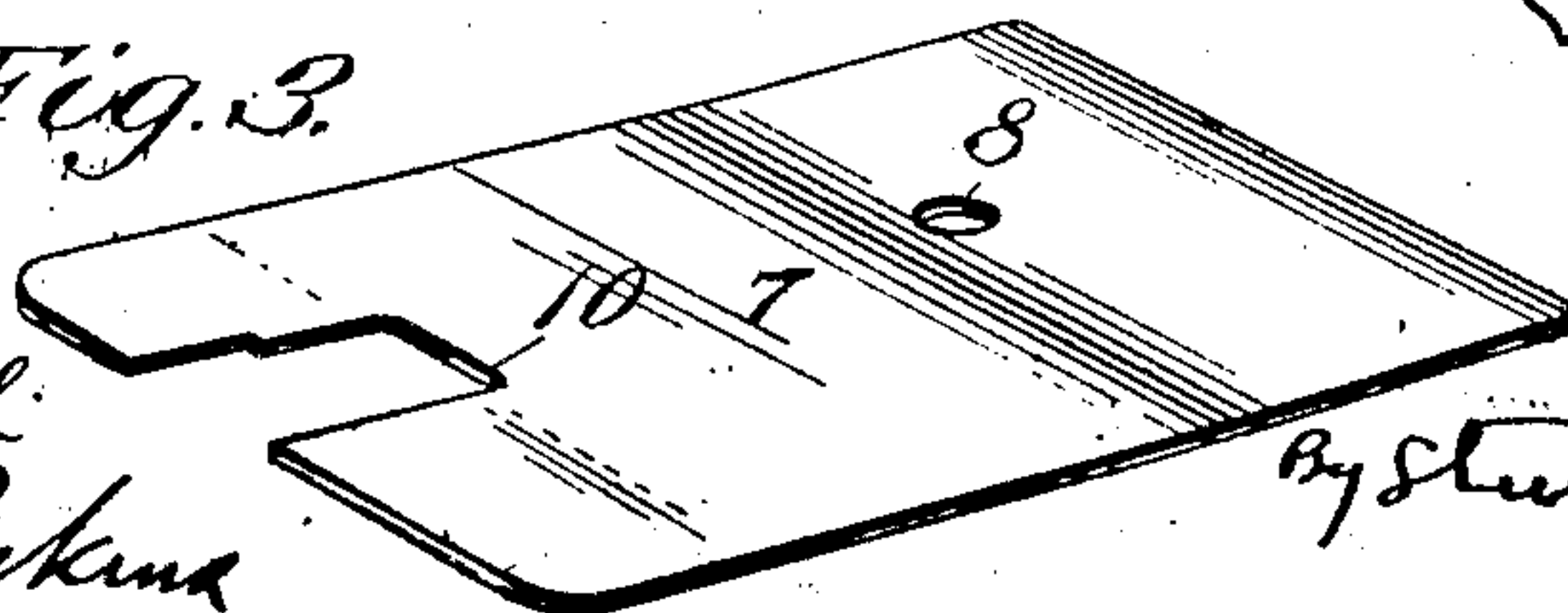


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

RUSSEL G. WOODWARD, OF WAUKEGAN, ILLINOIS, ASSIGNOR TO UNION SPECIAL MACHINE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

SEWING-MACHINE.

No. 878,442.

Specification of Letters Patent.

Patented Feb. 4, 1908.

Application filed October 27, 1906. Serial No. 340,894.

To all whom it may concern:

Be it known that I, RUSSEL G. WOODWARD, a citizen of the United States, residing at Waukegan, in the county of Lake, State of Illinois, have invented certain new and useful Improvements in Sewing-Machines, of which the following is a description, reference being had to the accompanying drawing and to the letters and figures of reference marked thereon.

My invention relates to dust protectors for feeding mechanisms, and while it may be used in various machines, it is more particularly adapted to machines for sewing bags. In this class of work there is much dirt and lint in the material used and as it is fed through the machine, it becomes detached from the material and lodging in the operating mechanism beneath the feed, causes much trouble.

The object of my invention is to provide a protector for the operating parts of the machine which are directly beneath the feed dog.

My invention consists in the novel parts, improvements and arrangement hereinafter shown and described.

In the accompanying drawings which illustrate one embodiment of my invention:— Figure 1 shows in cross section, the forward portion of a machine with my improvement applied thereto, certain parts being omitted for the sake of clearness. Fig. 2 is a top plan view of the same with the bed plate broken away, in order to expose my protector. Fig. 3 is a perspective view of my dust protector detached from the machine.

The base plate 1, the work support 2, the feed dog 3, the feed bar 4, the supporting frame 5 for the feed bar, and the eccentric 6 for raising and lowering the feed bar, are all of the usual construction, and will not be described in greater detail.

Secured to the upper side of the feed bar 4, is a rectangular plate 7, which has an opening 8 for a screw 9, whereby said plate is secured to the feed bar. This plate has at its forward end a recess 10, which engages the supporting shank 11 on the feed bar 4, which carries the feed dog 3. The feed eccentric 6, is located directly beneath the feed bar 4. This rectangular plate, secured on the upper surface of the feed bar, extends forwardly over the feed eccentric 6, and consequently

any dirt or lint or the like which is detached from the material being fed to the machine by the feed dog, lodges on said plate 7, and the feed eccentric 6 is therefore, kept free from this dirt and lint.

While I have shown and described my dirt protector as applied to a machine for covering and protecting the feed eccentric, it will be obvious that said protector is equally adapted for the protection of any other of the moving parts that may be located underneath the feed slot in the cloth plate. Again said protector would be useful in sewing and trimming machines to prevent loose ends of threads from falling on and clogging the operating parts adjacent the stitching point.

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

1. In combination a feed bar, a feed dog carried thereby, means for operating said feed bar, comprising an operating part arranged beneath the line of feed and in the rear of the feed dog and a dust protector extending over said operating part; substantially as described.

2. In combination a feed bar, a feed dog carried thereby, means for operating said feed bar, comprising an operating part, arranged beneath the feed bar, a dust protector secured to said feed bar, and extending over said operating part; substantially as described.

3. In combination, a feed bar, a feed dog carried thereby, means for, operating said feed bar, comprising an operating part arranged beneath the feed bar, and a rectangular plate having a recess at its forward end, secured to said feed bar, and extending over said operating part; substantially as described.

4. A dust protecting plate for the feed mechanism of a sewing machine, comprising a flat rectangular plate, adapted to be attached to the feed bar, and having a recess in one of its edges, adapted to engage the feed dog supporting shank on said feed bar.

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

RUSSEL G. WOODWARD.

Witnesses:

CHESTER McNEIL,
A. B. CLOTHIER.