

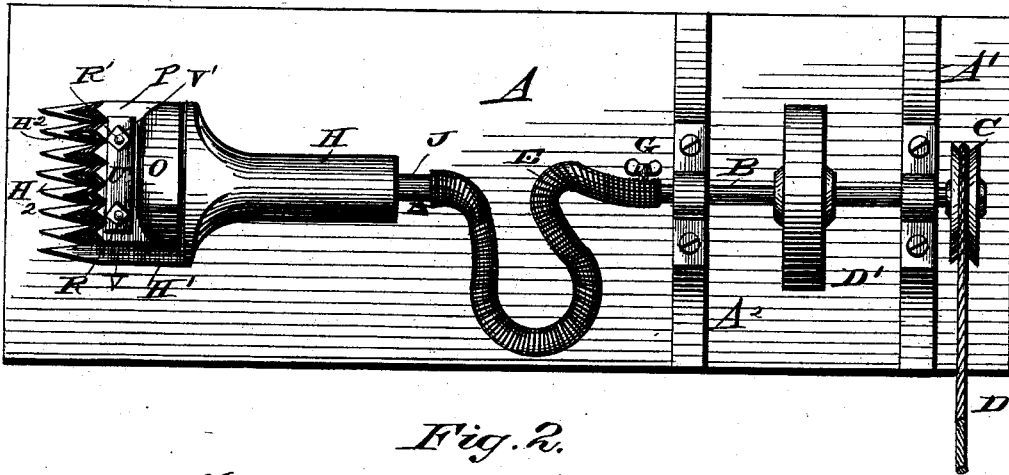
(No Model.)

E. M. BURGESS.  
CLIPPING MACHINE.

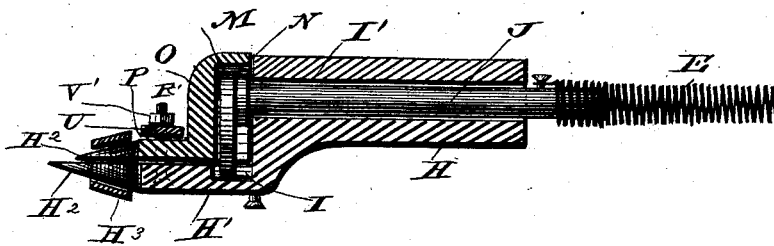
No. 347,263.

Patented Aug. 10, 1886.

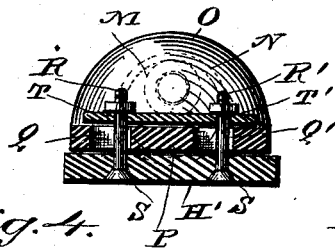
*Fig. 1.*



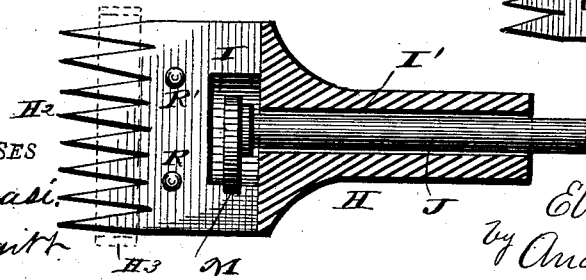
*Fig. 2.*



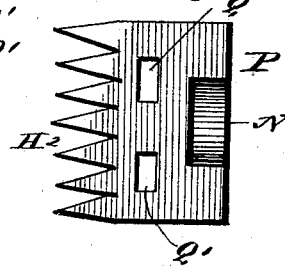
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

ELI M. BURGESS, OF LEESBURG, OHIO.

## CLIPPING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 347,263, dated August 10, 1886.

Application filed April 21, 1886. Serial No. 199,644. (No model.)

### *To all whom it may concern:*

Be it known that I, ELI M. BURGESS, a citizen of the United States, residing at Leesburg, in the county of Highland and State of Ohio, have invented certain new and useful Improvements in Clipping-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 letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a plan view of the machine complete. Fig. 2 is a vertical section of the clipper. Fig. 3 is a transverse section of the same. Fig. 4 is a horizontal section of the base-plate, and Fig. 5 is a bottom plan of the vibrating plate.

This invention relates to clipping-machines or sheep-shearing machines; and it consists in the construction and combination of parts, as hereinafter described, and pointed out in the claim.

Referring by letter to the accompanying drawings, A designates the table on which the machine is mounted for convenience in operating it.

A' A<sup>2</sup> designate the bearings in which the main shaft B is mounted, said bearings being secured to the table-top in such a position that the main or driven shaft extends in the direction of the length of the table.

C designates a band-wheel on the rear end of the driven shaft, which is driven by a belt, D, run by any suitable convenient power.

D' is a fly-wheel for giving steady motion to the driven shaft B. The driven shaft B is provided at its front end with a set-screw, G, by which a flexible spirally wound cord, E, is secured to the driven shaft, so that said wire cord will be rotated with the driven shaft B when the latter is rotated.

H is the hollow stem, made integral with the base-plate H' of the clippers, said base-plate having integral teeth H<sup>2</sup> at its forward edge, and a depression, I, in its face, immediately in front of the axial bore I' of the hollow stem H.

J is the crank-shaft, which rotates in the bore of the hollow stem, and this crank-shaft

J is provided on its forward end with an eccentric or cam, M, which works in depression I in the upper face of the base-plate H', and also in the recess N in the heel O of the upper toothed plate, P.

The upper plate, P, has two transverse slots, Q Q', in front of the heel O, and is secured loosely enough on the base-plate to have reciprocation thereon, transversely of said base-plate, by screws R R', passed up through screw-holes S in the base-plate, through the transverse slots Q Q' in the upper or cap plate, and through screw-holes T T' in a transverse plate or bar, U, which latter is secured in place by nuts V V'.

The teeth H<sup>2</sup> of both the stationary and reciprocating plates are triangular in shape in cross-section, and are pointed and have the bases of the triangles parallel to each other, so that the wool or hair that enters between them while the upper plate is being reciprocated will be quickly and neatly cut.

The flexible wire cord permits the clippers to be presented to the body of the animal to be clipped or shorn, so that any portion of the exterior of the body may be neatly and rapidly clipped or shorn of its wool or hair.

A gage, H<sup>2</sup>, is provided, and is to be slipped on the lower plate, to cause it to shear short; or it may be removed, to permit the machine to cut longer.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the hollow stem having the integral base-plate provided with the pointed teeth and the recess in its upper face in front of the axial bore, of the shaft in said bore, with the cam on the inner end of the crank-shaft, the tooth-slotted cap-plate with the recessed heel for the engagement of the said cam, the transverse securing-bar with the connecting screws and nuts, and the flexible wire cord connected to the cam-shaft, substantially as specified.

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

ELI M. BURGESS.

Witnesses:

J. T. GUTHRIE,  
D. D. BAINS.