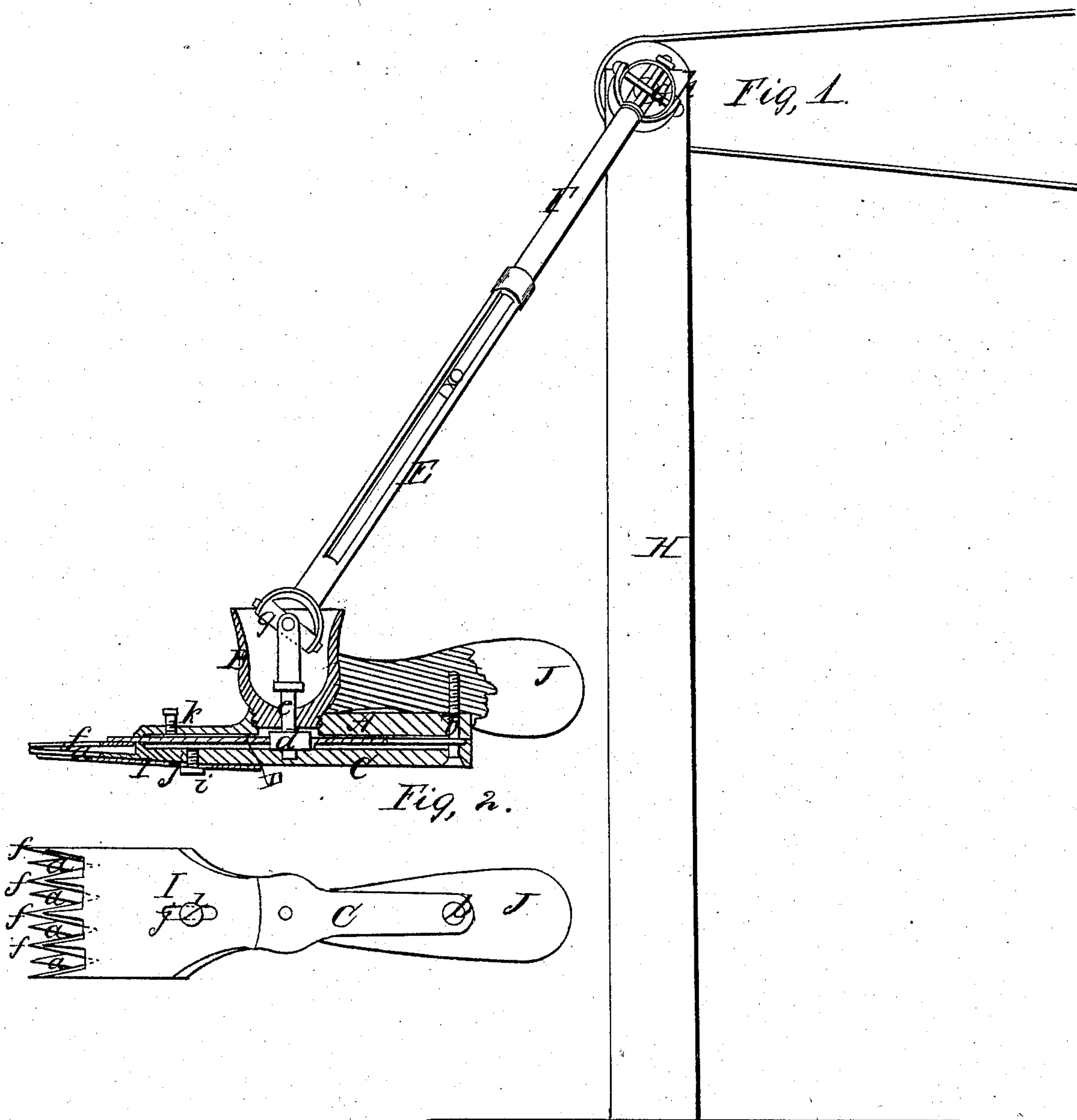


*J. V. Jenkins.*

*Sheep Shears.*

*N<sup>o</sup> 15,948.*

*Patented Oct. 21, 1856.*





# UNITED STATES PATENT OFFICE.

J. V. JENKINS, OF JACKSON, MICHIGAN.

## MACHINE FOR SHEARING SHEEP.

Specification forming part of Letters Patent No. 15,948, dated October 21, 1856; Reissued May 14, 1867, No. 2,613.

*To all whom it may concern:*

Be it known that I, J. V. JENKINS, of Jackson, in the county of Jackson and State of Michigan, have invented a new and Improved Device for Shearing Sheep and Similar Purposes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal vertical section of my improvement, attached to the driving apparatus. Fig. 2, is an inverted plan of ditto, detached from the driving apparatus. Similar letters of reference indicate corresponding parts in the two figures.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a metallic plate, to the upper part of which and about at its center, a socket B, is attached, said socket being in the form of an inverted bell, as shown clearly in Fig. 1.

C, represents a metallic plate which is secured to the under side of the plate A. The outer end of this plate has triangular or saw-shaped fingers *a* attached to it. The form of these fingers is distinctly shown in Fig. 2. The fingers project their whole length beyond the edge of the plate A.

D, represents a lever or elastic plate which is fitted in a recess between the two plates A, C. The back end of this lever works on a screw *b*, which secures the back ends of the plates A, C, together, see Fig. 1. The center of the lever or plate D, has an oblong slot *c*, made through it, in which slot an eccentric *d*, works, said eccentric being upon a shaft *e*, which passes up through the plate A into the socket B. The outer end of the lever or plate D, has triangular or saw shaped teeth *f*, attached to it, which teeth work over the fingers *a* similar to the sickle of a reaper. The upper end of the shaft *e*, is connected by a universal joint *g*, to a tube E, which is fitted loosely on a rod F, the upper end of which is attached by a universal joint *h*, to a driving shaft G, fitted in a proper framing or support H, and rotated by hand or in any proper manner.

To the underside of the plate C, a guard

plate I, is attached by a screw *i*, said screw passing through an oblong slot *j*, in the guard plate. This guard plate may be adjusted farther forward or backward and regulates the distance of the fingers and teeth from the surface on which the guard plate rests.

A set screw *k*, passes through the upper plate A, and bears upon the lever or plate D; by turning this screw, the teeth *f*, may be made to bear sufficiently upon the fingers *a*.

From the above description of parts, it will be seen that as the shaft G, is rotated, a rotary motion will be communicated to the shaft *e*, and eccentric *d* and said eccentric will give a vibratory motion to the lever or plate D, and the teeth as they pass over the fingers *a*, cut the article or substance which passes between the teeth and fingers. The tool or device is moved along by hand, as it has a handle J, attached to it, and it may, in consequence of its connection with the shaft G, by means of the compensating shaft and universal joints, be moved in either direction. The socket B, protects the hand from the lower joint *g*, and also protects the joint from clippings or rubbish of any kind. The socket also prevents the tool or device from being moved beyond the compass or play of the joint.

The above tool or device may be used for shearing sheep, and similar purposes. The guard plate I, is designed to be used more particularly in shearing sheep, as it will regulate the distance of the cut from the body of the animal and also protect the body of the animal from the teeth.

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

Operating the lever or plate D, by means of the eccentric *d*, upon the shaft *e*, said shaft being connected by a universal joint *g*, to the compensating shaft formed of the tube E and rod F, the rod F being connected to the driving shaft G, by a universal joint *h*, as shown and described.

J. V. JENKINS.

Witnesses:

W. A. JENKINS,  
L. D. WELLING.