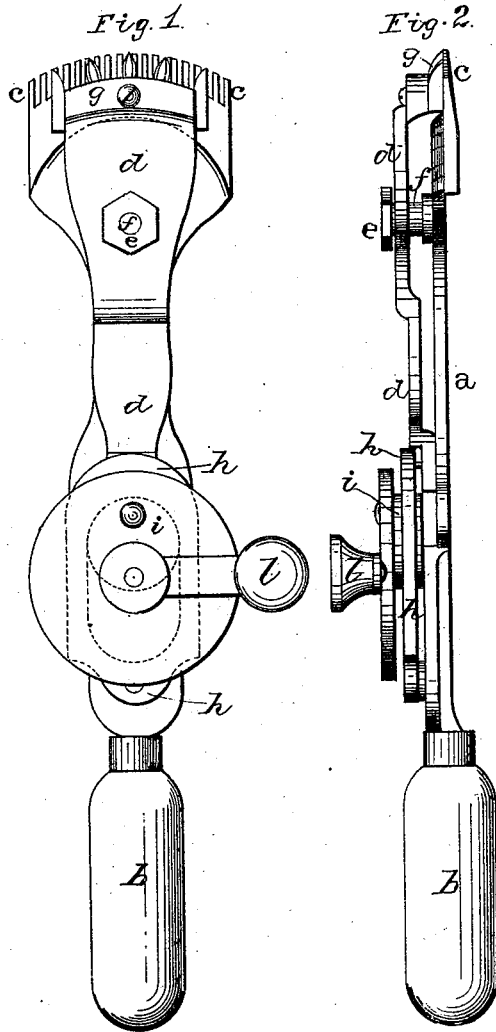


E. J. WATSON.
Animal-Shearing Device

No. 197,704

Patented Nov. 27, 1877.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD J. WATSON, OF BRIDGEPORT, CONNECTICUT.

IMPROVEMENT IN ANIMAL-SHEARING DEVICES.

Specification forming part of Letters Patent No. **197,704**, dated November 27, 1877; application filed October 19, 1877.

To all whom it may concern:

Be it known that I, EDWARD J. WATSON, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Shearing Devices; and I do hereby 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 pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in shearing devices; and it consists in the arrangement and combination of parts that will be more fully described hereinafter, whereby hair and wool may be cut more easily, efficiently, and with less exertion on the part of the operator.

The accompanying drawing represents my invention.

a represents a frame that is provided with a handle, *b*, at one end for holding the machine, and with a comb, *c*, at the other. Upon the top of the frame, near the comb end, is a pivot pin or projection, *f*, upon which the operating-lever *d* is pivoted.

By means of the nut *e* upon the top of this pin or projection, the lever, having the knife *g* secured to its shorter end, may be tightened down near to the frame whenever it becomes worn or loose, and thus the knife and comb may be kept closely together. Both the knife and the comb are here made removable, so that in case they become dull or worn out they can be readily removed for repairs, or be replaced by new ones.

The long end of the lever is pivoted to the yoke *h*, which yoke has its opposite end pivoted upon the top of the frame *a*, near the handle *b*. Pivoted upon the top of the frame, near the handle end, is the eccentric *i*, which is placed inside of the oblong slot made through the yoke, so that as the eccentric is made to revolve, by means of the crank or handle *l*, the yoke will have its inner end moved back and forth.

As the long end of the lever is pivoted to the inner end of the yoke, it is evident that as the yoke moves back and forth the lever will be moved with it, and thus the short end of the lever will cause the knife to sweep back and forth over the comb.

By using the two levers *d h* a compound lever is formed, whereby the operator is enabled to exert greater power upon the knives without tiring the hand so much in which the handle is held.

Having thus described my invention, I claim—

The combination of the frame *a*, knives *c g*, lever *d*, pivoted upon the standard *f'*, lever *h*, pivoted at one end to the frame, and the lever *d* at the other, and having the slot in which the eccentric *i* turns, lever *l*, and handle *b*, the parts all being arranged to operate substantially as shown.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 11th day of October, 1877.

EDWARD JAMES WATSON. [L. S.]

Witnesses:

A. G. CROCKER,
AUG. EVERS.