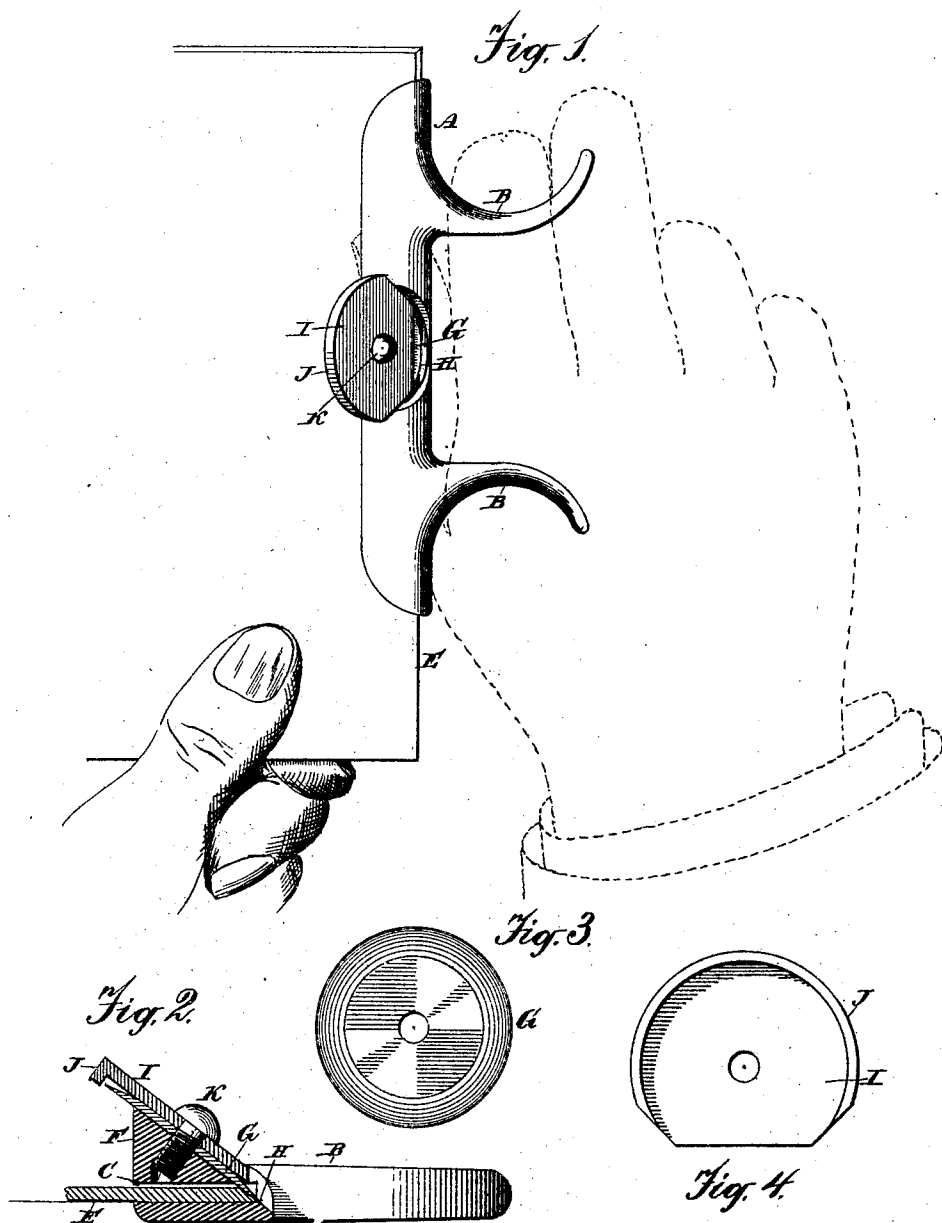


No. 765,391.

PATENTED JULY 19, 1904.

E. LONG.
CARD BEVEL EDGER.
APPLICATION FILED APR. 5, 1904.

NO MODEL.



Witnesses.
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UNITED STATES PATENT OFFICE.

EDWIN LONG, OF CEDAR RAPIDS, IOWA.

CARD BEVEL-EDGER.

SPECIFICATION forming part of Letters Patent No. 765,391, dated July 19, 1904.

Application filed April 5, 1904. Serial No. 201,670. (No model.)

To all whom it may concern:

Be it known that I, EDWIN LONG, a citizen of the United States, residing at Cedar Rapids, in the county of Linn and State of Iowa, have invented certain new and useful Improvements in Card Bevel-Edgers, of which the following is a specification.

The object of this invention is to provide a simple, efficient, and inexpensive tool for beveling the edges of cardboard, such as photograph-mounts, picture-mats, and the like.

The nature of the invention will clearly appear from the description and claims following, reference being had to the accompanying drawings, in which—

Figure 1 is a top view of my improved bevel-edger as in use. Fig. 2 is an enlarged transverse section of the same central to Fig. 1. Fig. 3 is the cutter, and Fig. 4 the shield therefor.

In the drawings, A designates a metal stock provided with lateral curved handles B, adapted to be grasped between the thumb and forefingers, as shown. Opposite these the stock is grooved at C the entire length, the groove being of a suitable thickness to take the cardboard E, on which the tool is to operate. Over the middle portion of the groove is an inclined boss F, with a plane upper face to take a cutter G, the edge of which when in position intersects the inner edge of the groove C, the extreme lower part of the edge lying on a narrow-angled part of the stock H in the same plane as that which supports the middle thereof. In practice the cutter is made circular, its entire edge made keen, and to give it a nice contact with the angle H, and so insure a clear cut to the very edge of the work, the lower face of the cutter is preferably concaved slightly. The circular cutter is simple and easy to make and has the special advantage of great durability, inasmuch as it may be turned a little as fast as a part of the edge becomes dull until the entire circumference has been used. It may then be easily resharpened on a revolving spindle. Over the cutter is placed a cap I, having an annular rim J and forming a guard to protect the hands of the operator against the sharp upper edge of the cutter. The lower portion of this guard is

cut away to give a throat for the passage of the triangular shaving cut from the edge of the card.

The operation of the device is indicated in Fig. 1, the card being held by the left hand, while with the right hand the tool is held snugly against its edge and drawn lengthwise thereof. The card is left with a clean-cut beveled edge, giving it a handsome finish, especially if the body of the card-stock is of contrasting color to the face, as in photograph-mounts, mats, and other cardboard of this nature.

When the small part of the edge of the cutter, which does the work, grows dull, the operator has only to loosen the screw K, that holds the cutter and guard in place, turn the cutter slightly, and retighten the screw.

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

1. In a card bevel-edger, the combination of a laterally-grooved stock and a cutter inclined to said groove, and with its edge extending across the groove near its bottom or inner edge.

2. In a card bevel-edger, the combination of a laterally-grooved stock provided with lateral handles opposite said groove, and an inclined cutter set with its edge extending across the groove near its bottom or inner edge.

3. In a card bevel-edger, the combination of a laterally-grooved stock having an inclined boss to take a cutter, and with suitable handles, and a circular cutter secured centrally and removably to said boss.

4. In a card bevel-edger, the combination of a laterally-grooved stock, a circular cutter mounted on said stock with its edge intersecting the bottom of the groove at an angle, a cap to form a guard for the upper edge of the cutter, and means for securing the cap and cutter to the stock centrally.

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

EDWIN LONG.

Witnesses:

J. M. ST. JOHN,
F. J. KUBICEK.