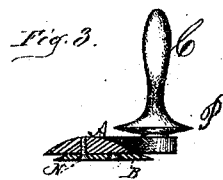
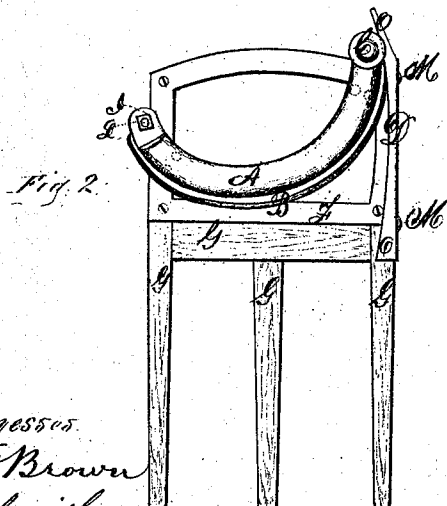
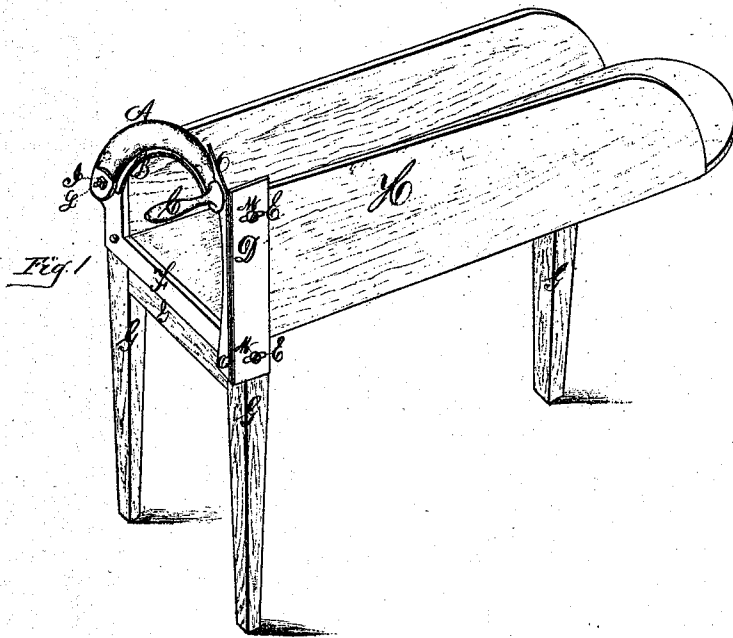


*H. Ogborn,*  
*Straw Cutter.*  
*No. 105,481.                      Patented July 19, 1870.*



*Witnesses.*  
*Edm. H. Brown*  
*Samuel Smith*

*Inventor.*  
*Harrison Ogborn*

# United States Patent Office.

HARRISON OGBORN, OF RICHMOND, INDIANA.

*Letters Patent No. 105,481, dated July 19, 1870.*

## IMPROVEMENT IN STRAW-CUTTER.

The Schedule referred to in these Letters Patent and making part of the same.

I, HARRISON OGBORN, of Richmond, in the county of Wayne and State of Indiana, have invented certain Improvements in Straw and Fodder-Cutters, of which the following is a specification.

The nature of my invention consists in making a double-edge reversible knife, and providing it with two sets of holes, to allow either edge to be used as may be required; also, in devices for attaching the arm that holds it to the face-plate, together with the adjustable plate that holds it in position.

Figure 1 is a perspective view of a machine embodying my invention.

Figure 2 is an elevation of the machine from the front.

Figure 3 is a vertical section of the arm, handle, and double-edged knife.

G G G is the frame of the machine, which should be strongly made, to resist the jarring strain produced by the cutting process.

A is the arm that holds the knife B in its proper position.

N N are screws or bolts that hold the knife to the arm B.

O is a handle, by means of which the arm A and knife B are made to rotate upon the pin L, which arm and knife are held in place on said pin by nut I.

The other end of the arm comes inside of the part O of the adjustable plate D, and is thus held close to the face-plate, and prevented from springing away from the face-plate, as shown in fig. 1.

When it is desired to reverse the knife and use the convex edge, it is only necessary to take the arm and knife off of the machine and put the handle on the other end and the pin L through the hole where the handle is attached in fig. 1, and move the screws N N into dotted holes in the knife nearest the concave edge, and the machine will be as represented in fig. 2.

The handle C has a flange, P, which protects the hand against accidental contact with flange O. Thus it will be seen that either edge of the knife may be used.

The feed to be cut is placed in the box H, and brought forward, by hand or otherwise, so as to extend over the face-plate, the knife and arm being rotated upon its axis, the pin L. By means of the handle C, as shown in figs. 1 and 2, the knife will cut it in the manner indicated.

I claim as my invention—

1. The reversible arm A and adjustable double-edged knife B, when made in the manner substantially as described, and used for the purposes indicated.

2. The reversible arm A and adjustable double-edged knife B, in combination with the flange P and guide-plate O D, when constructed and operated for the purpose and in the manner set forth.

HARRISON OGBORN.

Witnesses:

EDM. F. BROWN,  
SAMUEL SMITH.