(No Model.)

G. W. ROSS.

STRAW CUTTER.

No. 490,989. Patented Jan. 31, 1893.

Fig. 1.

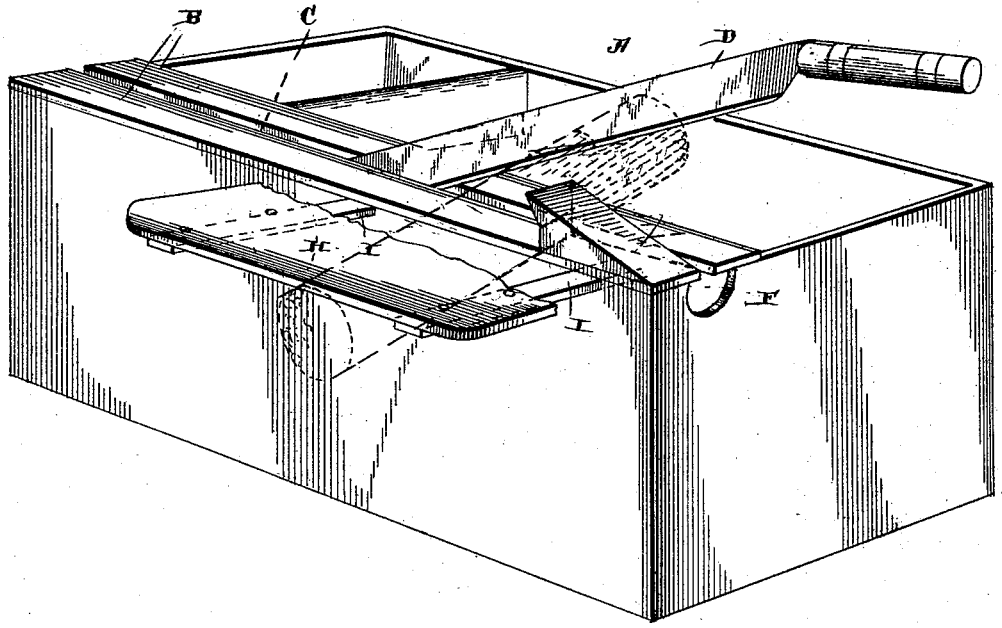
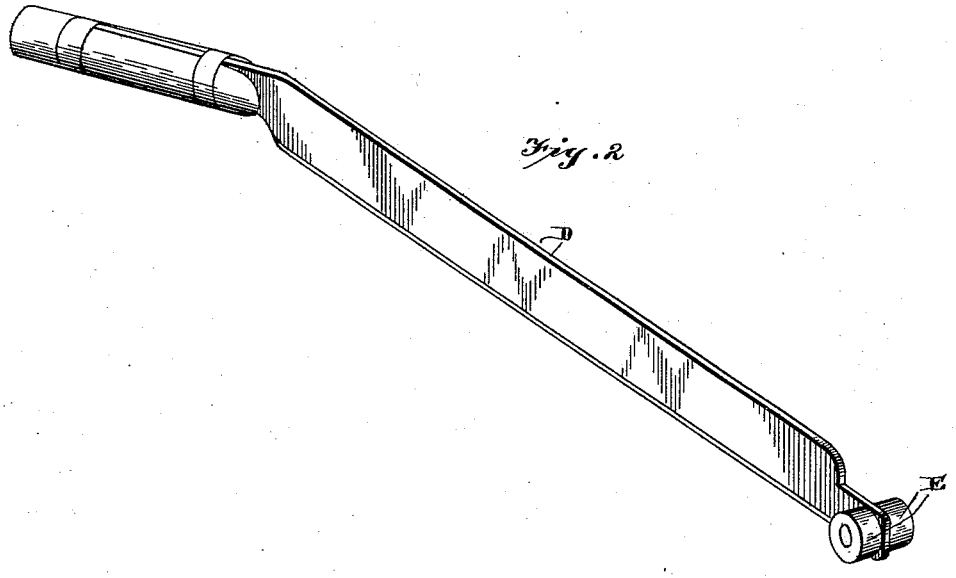


Fig. 2.



WITNESSES—
Geo. E. Frech.
Robt. A. Fitzgerald.

INVENTOR—
Geo. W. Ross.
By Lehmann Pattison & Nesbit
attys.

UNITED STATES PATENT OFFICE.

GEORGE W. ROSS, OF BOONSVILLE, TEXAS, ASSIGNOR OF ONE-HALF TO JOHN A. WINEBRENER, OF SAME PLACE.

STRAW-CUTTER.

SPECIFICATION forming part of Letters Patent No. 490,989, dated January 31, 1893.

Application filed May 14, 1892. Serial No. 433,038. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. ROSS, of Boonsville, in the county of Wise and State of Texas, have invented certain new and useful Improvements in Straw-Cutters; 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 drawings, which form part of this specification.

My invention relates to an improvement in straw cutters: and it consists in the novel features of construction, and in the combination and arrangement of parts which will be fully described hereinafter and more particularly referred to in the claims.

The object of my invention is to construct an improved hand operated straw cutter which is simple in construction and with which the work can be accomplished with the least amount of labor.

Referring to the accompanying drawings,—Figure 1, is a perspective view of my improved machine. Fig. 2, is a detached view of the knife.

A, represents a box for the reception of the cut straw which may be made any desired size, and secured to the upper side or top thereof are the longitudinal parallel strips B, which are situated at one side of the top and between them is the slot C.

D represents a knife having a transverse pin at its lower end on which are mounted rollers E. Formed in the end of the box A is the opening F, which communicates with the end of the slot C. In order to place the knife in position for cutting as shown in Fig. 1, it is first placed in the box, and then the handle of the same is passed outward through opening F. As the slot C and opening F communicate, the thin blade of the knife may be drawn upward into the former, as shown in Fig. 1. When in this position it is ready for operation, the rollers E, bearing on the under side of the strips B, as the knife is drawn backward and forward.

Secured to the outer strip B, is the stop or rest G, against which the sheaf of straw is held while being cut. The face of this stop is preferably formed at an angle oblique to the line of slot C, so that the sheaf will be projected across the latter diagonally. By so holding the bundle the cutting is made much more easy than though it were held straight across the slot as will be readily understood.

To the side of the box A, is removably secured the shelf H, which is provided with extensions I, which project through openings in the box side. By so constructing the shelf it may be removed when the machine is not in use, making it much more compact and thus more easily handled.

Having thus described my invention, I claim

1. The combination with a box and strips secured to the upper side thereof forming a slot between them, of a stop secured to one of the said strips which is formed with a bearing surface cut at an angle to the plane of the strips, and a knife adapted to be reciprocated in said slot substantially as shown and described.

2. In a straw cutter, the combination of a box having opening F in one end thereof, parallel strips B secured to the upper open side of the box near one edge thereof, the said strips forming the slot C which communicates at one end with opening F, knife D, antifriction rollers E at one end thereof, which knife is placed in position for cutting by being first placed within the box, then passing the handle thereof outward, through opening F, and drawing the blade up through slot C, substantially as shown and described.

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

GEORGE W. ROSS.

Witnesses:
GEORGE W. BOND,
WARREN W. BOND.