(No Model.)

W. ROECKER.

STRAW CUTTING MACHINE.

No. 491,745. Patented Feb. 14, 1893.

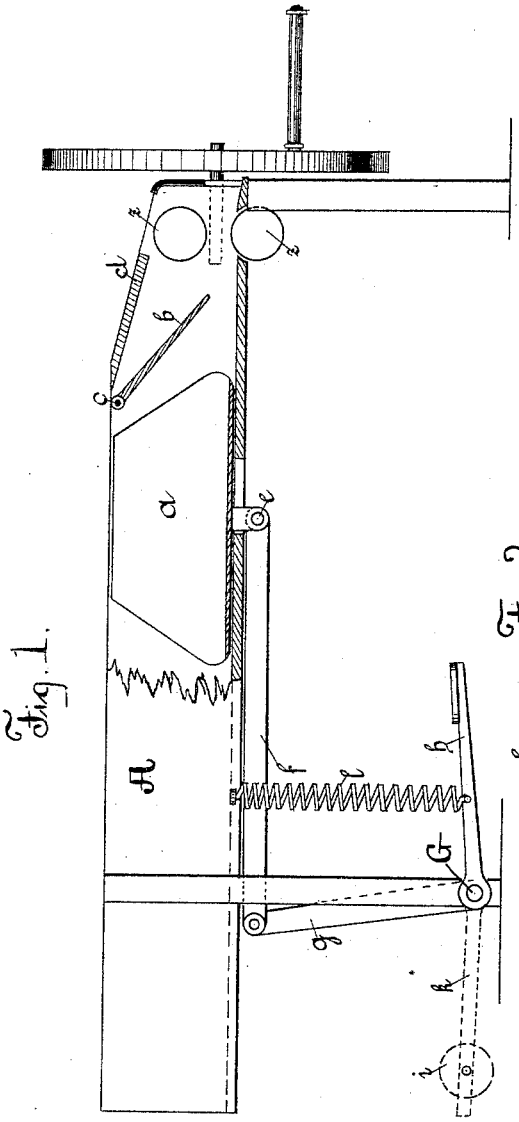

Fig. 1.

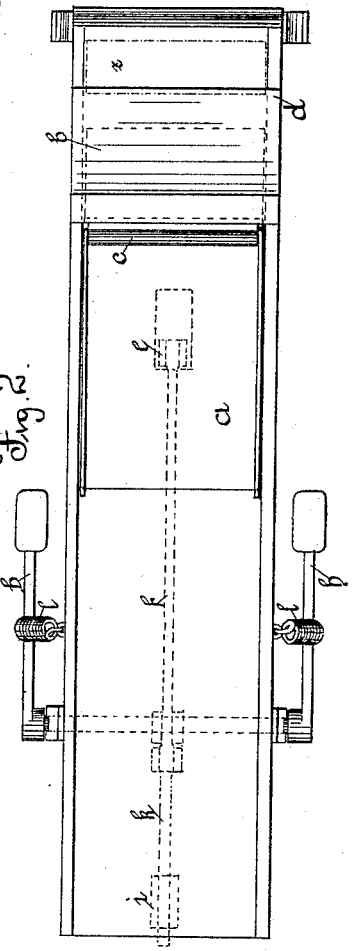

Fig. 2.

Witnesses:
Jesse Kingsbury.
G. A. Taubenschmidt.

Inventor:
Wilhelm Roecker
By Whitaker & Prescott Attys.

UNITED STATES PATENT OFFICE.

WILHELM ROECKER, OF LOECHGAU, GERMANY.

STRAW-CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 491,745, dated February 14, 1893.

Application filed April 12, 1892. Serial No. 428,824. (No model.)

To all whom it may concern:

Be it known that I, WILHELM ROECKER, a subject of the Emperor of Germany, residing in Loechgau, in the Kingdom of Würtemberg and German Empire, have invented certain new and useful Improvements in Straw-Cutting Machines; and I do hereby declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is illustrated in the accompanying drawings which show one form in which it may be embodied and said invention is fully disclosed in the following description and claims.

Referring to the said drawings: Figure 1 is a central longitudinal vertical section of a machine embodying my invention. Fig. 2 is a top plan view of said machine.

The object of my invention is to provide a straw cutting machine having straw cutting devices and feeding devices therefor, with an auxiliary feeding device for pushing the straw up to the knife when the feed rollers do not feed it sufficiently, without endangering the hands of the operator.

In the machine shown in the drawings A represents the trough or body of the machine, and *z z* indicate the rollers for feeding the straw to the cutter (not shown). *b* represents an inclined guard or flap which is pivotally secured to the top of the machine in front of the feed rolls and extends downwardly in an inclined direction to protect the hands of the operator from being drawn into the cutter. The trough or body A is provided with an auxiliary feeding device *a* which consists of a bottom and two side portions as shown and is adapted to receive the straw or other material to be cut.

To the under side of the auxiliary feeding device is secured a lug or ear *e* which is connected by a link *f* with one end of an arm *g* secured to a rock shaft G, extending transversely of the machine. The rock shaft is provided at one or both ends with an operating foot lever *h* and said shaft and connected parts are held in their normal positions by one or more coiled springs *l l* or by a counter balance weight and lever as shown at *i*, *k* in dotted lines.

The parts are so arranged that a movement of one of the foot levers *h* by pressing down upon it, will push the auxiliary feeding device forward and carry the straw thereon into the feeding rolls and to the cutter.

In operation the trough or body of the device is filled with straw which is pressed down upon the auxiliary feeding device by the operator in order to secure its movement therewith. The operator then presses his foot upon the adjacent foot lever which pushes the auxiliary feeding device forward and feeds the straw to the feeding rolls and cutter. The operator then releases the foot lever, when the counter balance weight, or springs will retract the auxiliary feeding device without drawing back the straw. The auxiliary feeding device is not employed all the time but at intervals whenever it is necessary to push up the straw to the feeding rolls. During the operation of the auxiliary feeding device the flap *b* will protect the hand of the operator from being drawn into the rolls or injured by the knife.

What I claim and desire to secure by Letters Patent is:—

1. In a straw cutter the combination with feeding devices for feeding the material to the cutter, of an auxiliary feeding device, a foot lever for operating the same and a retracting device for said auxiliary feeding device, substantially as described.

2. In a straw cutter the combination with the feeding devices for feeding the material to the cutter, of the auxiliary feeding device sliding upon the bottom of the machine, and having a bottom portion and side portions for engaging the straw, and a foot lever connected with said auxiliary feeding device, for moving it with respect to the machine bottom, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

WILHELM ROECKER.

Witnesses:
MAX DIESCH,
KARL SCHELLING.