

V. J. Shryock,

### Straw Cutter.

No. 110164.

*Patented Dec. 13. 1870.*



Witnesses.

Harry King.

C. I. Lewis

Inventor,

V. J. Shryock

Alexander Massey

Atty

# United States Patent Office.

VALENTINE J. SHRYOCK, OF FOLSOMVILLE, INDIANA.

Letters Patent No. 110,164, dated December 13, 1870.

## IMPROVEMENT IN STRAW-CUTTERS.

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

*To all whom it may concern:*

Be it known that I, VALENTINE J. SHRYOCK, of Folsomville, in the county of Warrick, and in the State of Indiana, have invented certain new and useful Improvements in Straw-Cutter; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making part of this specification.

The nature of my invention consists in the construction and arrangement of a "straw-cutter," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation, part in section, and

Figure 2 is a front view of my machine.

Figure 3 is a view of one of the cutters or blades.

A represents the feed-box, supported at or near the rear end by a standard, B, and at the front end in a frame, C, upon the front side of which is a face-plate, D. This face-plate extends a suitable distance on one side of the feed-box, and has an opening cut in which the front end of the said box is placed.

In suitable journal-boxes upon the side of the box A, and in the frame C, a shaft, E, has its bearings, which shaft projects through another opening in the face-plate, and in which opening upon said shaft is placed a head, G.

On the outer or face side of this head are attached from one to four cutters, H H, as the nature of the work to be performed may require.

The cutters or blades H are constructed as shown

in fig. 3, their inner ends being placed in recesses upon the front side of the head G and secured by screws.

These blades move, or rather their outer ends move, within a circular guide, I, attached to the front side of the face-plate D.

Upon the front end of the shaft E is placed a wheel, J, provided on its outer side with a wrist-pin, a, on which is attached a pitman, K.

The upper end of this pitman is placed on a tenon, b, upon the end of a lever, L, which passes through a vertical slot in the frame C, and is pivoted at its rear end to the standard B.

The lever L is operated by means of another lever, M, pivoted on one side of the box A, and passing across the same, as shown in fig. 2, the two levers being connected by the bar N.

For cutting oats or straw one blade will be attached to the head G, for cutting cabbage for krait two blades, and three or four blades for cutting tobacco for chewing or smoking, or cabbage for slaw.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with the face-plate D, of the circular guide I, balance-wheel J, and the blade or blades H, separate from the balance-wheel and revolving within the circular guide, all being constructed to operate substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of June, 1870.

V. J. SHRYOCK.

Witnesses:

C. L. EVERT,

DAVID F. PEMBERTON.