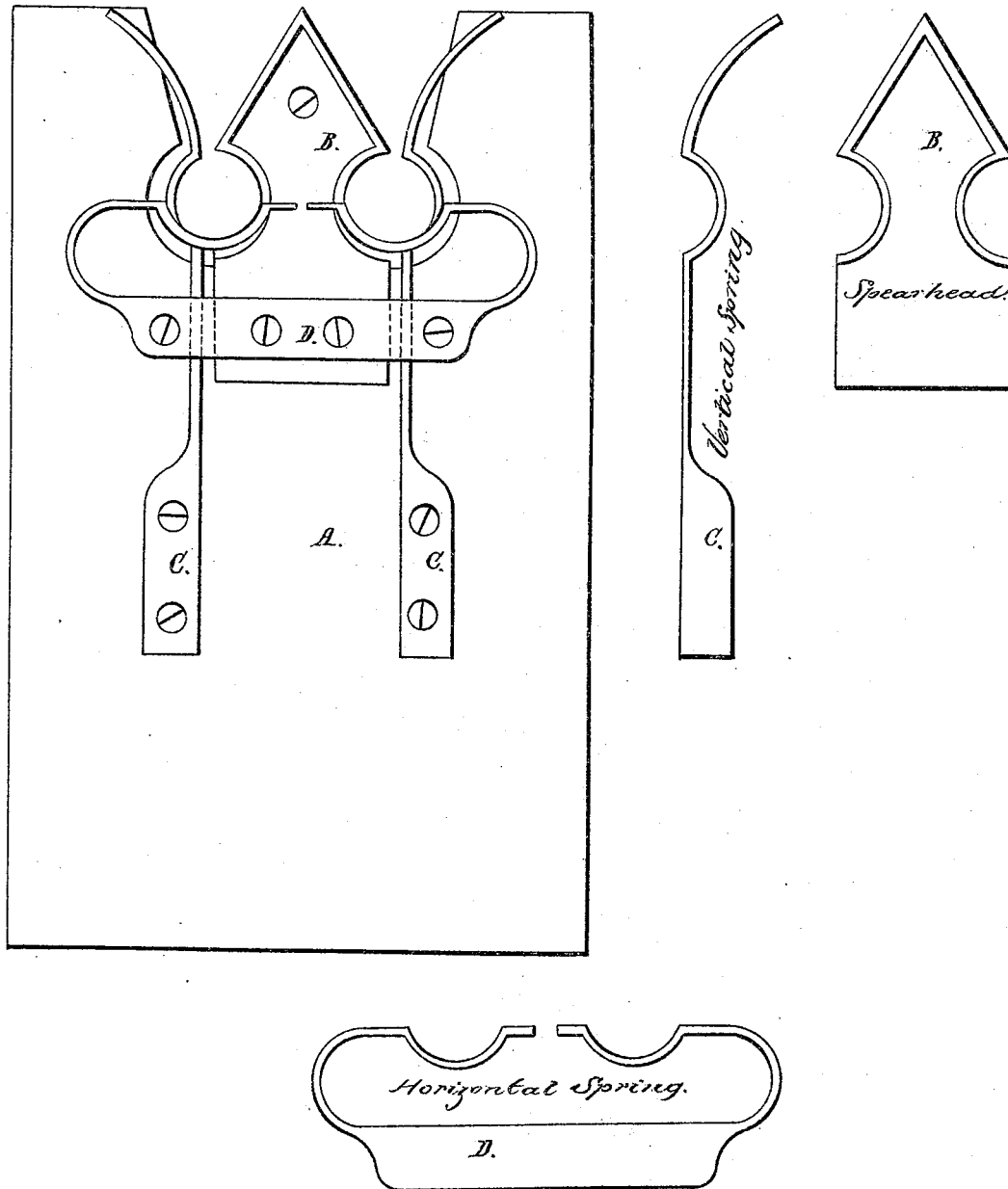


H. B. WOLF.
Cane-Stripper.

No. 52,237.

Patented Jan. 23, 1866.



Witnesses:

M. C. Tuttle.
Wm. R. Slope.

Inventor:

H. B. Wolf.

UNITED STATES PATENT OFFICE.

HULSEY B. WOLF, OF TRURO, ILLINOIS.

IMPROVEMENT IN SORGHUM-CANE STRIPPERS.

Specification forming part of Letters Patent No. 52,237, dated January 23, 1866.

To all whom it may concern:

Be it known that I, H. B. WOLF, of Truro, in the county of Knox and State of Illinois, have invented a new and useful Improvement in Sorghum-Cane Strippers; and I do hereby declare that the following is a full and exact description thereof, reference being made to the accompanying drawings, and to the letters of reference marked thereon, in which drawings—

Figure 1 represents a perspective view of said stripper, and Figs. 2, 3, and 4 represent several parts thereof in detail.

The nature of my invention consists in the construction of an apparatus for stripping the blades from the stalks of sorghum preparatory to pressing the juice from said stalks; and said apparatus may consist of one, two, or more strippers constructed on the principle herein shown, though it is obvious that the most advantageous mode is to make the strippers in pairs, as shown in the drawings.

To enable others skilled in the art to construct and apply to use my aforesaid invention, I will proceed to a particular description thereof, as follows:

The parts A and B may be cast, in one entire piece, of metal, about eighteen inches long, twelve inches wide, and an inch or an inch and a quarter thick; or A may be made of strong and hard wood, and B of metal, to be secured thereto as shown. In either case two holes should be made about six inches from the top, each being larger than the largest-sized sorghum-stalks, and opening above, so as barely to permit the descent into it of such stalks, this opening widening at each side toward the top of the plate or board, so as to give to the central piece a spear-shaped form.

When the piece A is made of wood a plate of metal of corresponding form is to be secured to the outside of the machine, or the side from which the stalks are to be drawn, this metal forming the central scraping-edge in the process of stripping. The outer lateral scraping part consists of the spring C, which also has its attachment to the outside of the machine

toward the lower part thereof, is curved over the hole in the frame, so as to form a segment of the circle described by the central fixed scraper, and from the upper part of the circle thus formed inclines from the center in such manner that when a stalk is pressed downward between this spring and the spear-point at the top the spring will yield and permit its descent into the hole. Another transverse spring, D, of elliptical form, is secured at its lower side and separated centrally at its upper side; and near each of the ends thus formed is an outward concavity, which forms an additional scraper on the under side. When this spring is at rest each concave part stands considerably above the center of the hole, and it in some degree resists the descent of the stalk to its place.

The mode of operation, after firmly fixing this apparatus in an upright position, and making arrangements for feeding and withdrawing the stalks and removing the blades, the particulars of which latter need not be described, is simply to let the small end of the stalk into the hole, as already intimated, and then draw the stalk by its small end, the spring being attached to the opposite side, when the blades will fall on that side of the machine, yielding to the resistance and scraping action of the fixed central part, B, and the lateral upper and lower springs, C and D, as shown.

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

1. The plate A, with the spear-shaped part B, substantially as and for the purposes described.
2. The parts A, B, and C, substantially as shown and described.
3. The parts A, B, and D, substantially as shown and described.
4. The parts A, B, C, and D, substantially as shown and described.

HULSEY B. WOLF.

Witnesses:

M. E. TUTTLE,
WM. R. SLOSS.