

(No Model.)

J. STEUDLE.
BEAN CUTTING MACHINE.

No. 454,388.

Patented June 16, 1891.

Fig. 1.

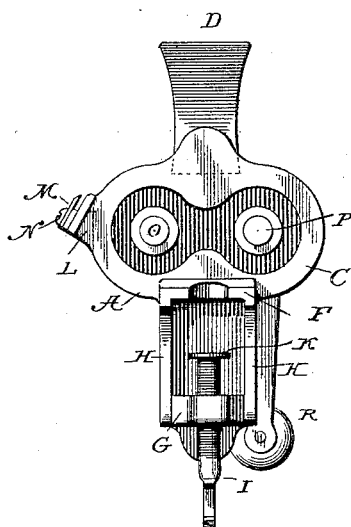


Fig. 2.

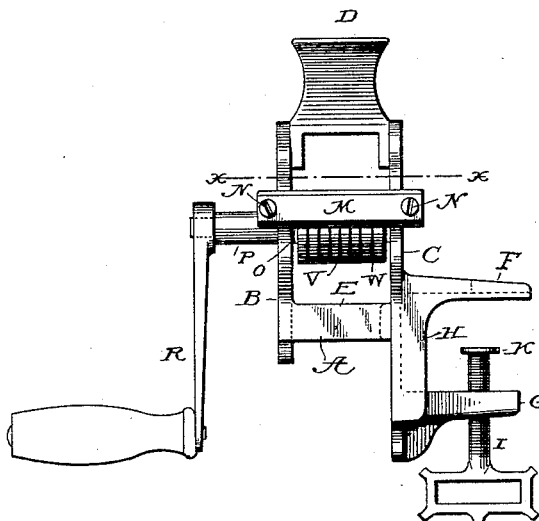


Fig. 3.

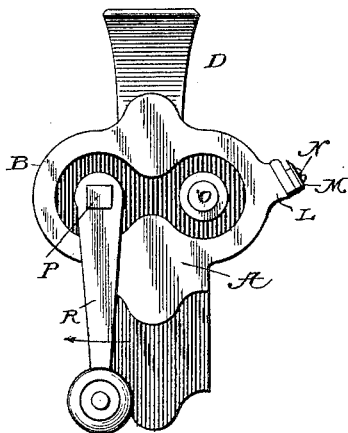
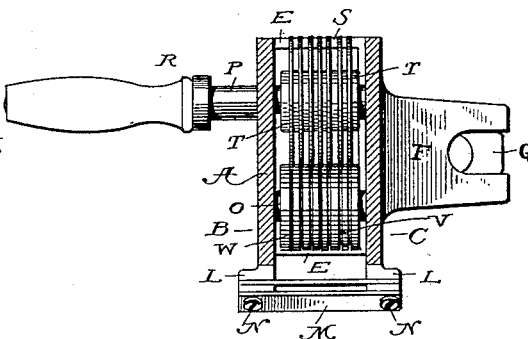


Fig. 4.



Witnesses:
M. N. [Signature]
Wm. J. Little,

Inventor:
Johan Steudle,
By his Attorney *J. R. Little,*

UNITED STATES PATENT OFFICE.

JOHAN STEUDLE, OF ROCHESTER, NEW YORK.

BEAN-CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 454,388, dated June 16, 1891.

Application filed December 23, 1890. Serial No. 375,569. (No model.)

To all whom it may concern:

Be it known that I, JOHAN STEUDLE, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Bean-Cutting Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in bean-cutting machines; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claim.

The object of my invention is to provide a cheap and simple machine which is adapted to be attached to a table or other convenient object for use, and which is entirely efficient and practicable in operation.

In the accompanying drawings, Figure 1 is a rear elevation of a bean-cutting machine embodying my improvements. Fig. 2 is a side elevation of the same. Fig. 3 is a front elevation. Fig. 4 is a horizontal section taken on the line *x x* of Fig. 2.

A represents the frame of the machine, which comprises the front and rear sides B C, connected at their upper ends by a hopper or neck D and at their lower sides by a cross-piece E. This frame may be cast in a single piece, or it may be made in parts secured together, as preferred. The rear plate or side C is longer than the front side B and extends below the latter, and from the said rear side project a pair of horizontal arms F G, arranged one above the other and at a suitable distance apart. A web or flange H connects the arms F G on one side, and thereby the arms are adapted to be fitted on the corner of a table or other object. Another function of the web or flange is to strengthen the upper arm F. A threaded opening is made in the lower arm G, and a clamp-screw I engages the said opening and is adapted to be used for clamping the frame to the edge of the table, as will be readily understood. On the end of the clamp-screw is secured a washer or button K, the function of which is to prevent the screw from marring or injuring the surface of the table. The sides B C, as will

appear in Fig. 4, are enlarged laterally near their upper ends to form rounded projections on opposite edges, and on the said rounded edges at one side of the frame are formed inclined seats L, to which a transverse blade M is secured by means of screws M. This blade is employed for cutting the strings from the bean-pods. A pair of shafts O P are journaled in suitable openings in the sides B C, and the front end of the shaft P is extended and provided with a crank-arm R, wherewith the shaft may be rotated. On that portion of the said shaft between the sides B C are arranged a series of circular cutters S, which are kept at a suitable distance apart by means of washers T, which are arranged between them. On the shaft O is arranged a drum V, which is preferably made of zinc or hard wood, and has a series of annular circumferential grooves W, in which the edges of the circular cutters operate.

In operating the machine the crank is turned in the direction indicated by the arrow in Fig. 3, and the bean-pods are fed between the cutters and the drum through the neck or hopper. The friction of the circular cutters in the grooves of the drum cause the latter to rotate, and as the bean-pods pass between the cutters and the drum they are cut into lengths equal to the space between the cutters, and are discharged through the openings between the sides of the frame below the shafts into a basket or other suitable receptacle.

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

In a bean-cutting machine, the combination, with the front and back sides of the frame carrying the cutting apparatus, connected by a central piece, and a clamp attached to the back side, the front and back sides being formed with extensions having inclined faces, of a cutting-blade secured to the said inclined faces transversely across the machine, substantially as shown and described.

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

JOHAN STEUDLE.

Witnesses:

MICHAEL HENRICUS,
GEORGE SCHLEGEL.