

H. C. HACHMUTH.
 CABBAGE CORE SHREDDER APPLIANCE.
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1,262,480.

Patented Apr. 9, 1918.

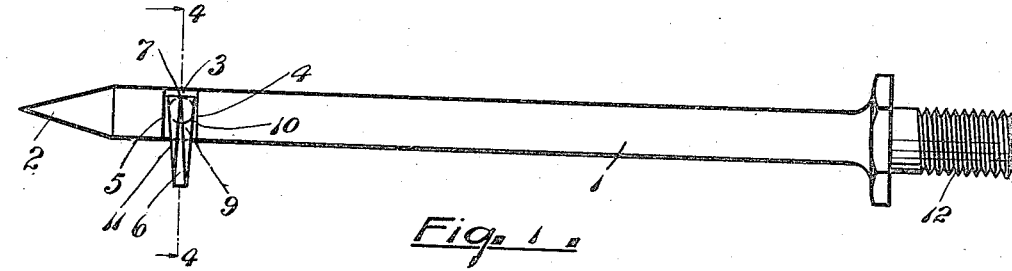


Fig. 1

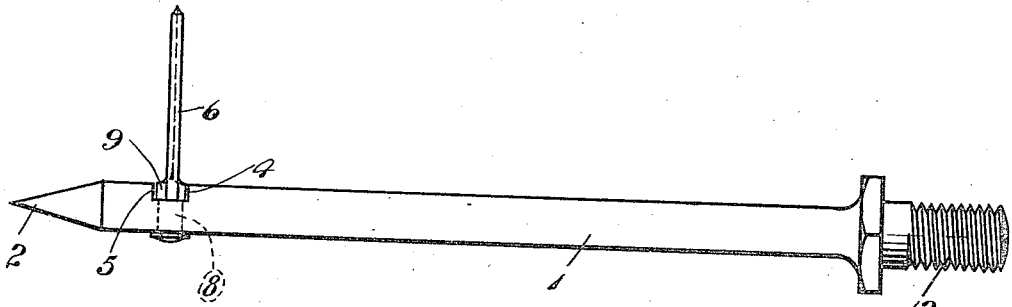


Fig. 2

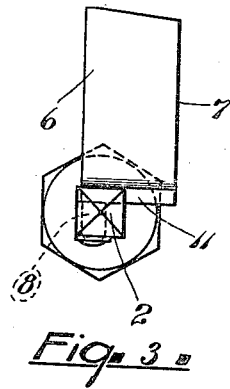


Fig. 3

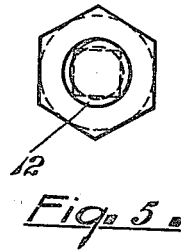


Fig. 5

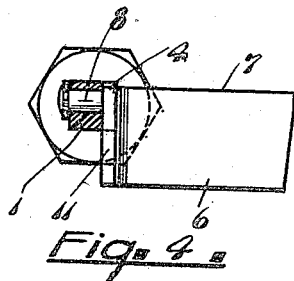


Fig. 4

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CABBAGE-CORE-SHREDDER APPLIANCE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY C. HACHMUTH, a citizen of the United States of America, residing at Comstock Park, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Cabbage-Core-Shredder Appliances; 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 appertains to make and use the same.

This invention relates to a device especially adapted to shred cores in heads of cabbages, and it is a primary object and purpose of the invention to make a device of this character which carries a cutting blade automatically reversible as a head of cabbage is fed onto or removed from the device, thereby doing away with the necessity of reversing the cutter by a separate operation as has been heretofore generally done. Further objects and purposes of the invention will appear as understanding of the same is had from the following description, taken in connection with the accompanying drawing, in which,

Figure 1 is a side elevation of the appliance.

Fig. 2 is a side elevation similar to Fig. 1, the appliance having been turned through an angle of ninety degrees.

Fig. 3 is an end view looking against the left hand end of Fig. 2.

Fig. 4 is a vertical section taken substantially on the line 4-4 of Fig. 1, and

Fig. 5 is an end elevation, looking against the right hand end of Fig. 2.

Like reference characters refer to like parts in the different views of the drawing.

In construction a rod 1 is provided having a pointed end 2, in which, in one side, a short distance back of the pointed end, a slot 3 is cut having parallel sides 4 and 5, as shown.

A blade 6 having a sharpened edge 7 is pivotally mounted on and extends laterally from the rod 1, the blade being provided with a pintle 8 the axis of which is located parallel to and slightly within the cutting edge 7 of the blade, said pintle passing loosely through a suitable opening in the rod. The blade at its inner end is formed with a shoulder 9 extending the full width of the blade and having inclined sides 10 and 11, the former of which is adjacent the

side 4 of the slot, while the latter is adjacent the side 5 thereof. This appliance is adapted to be attached to any suitable rotating spindle, the end opposite the pointed end 2 being screw-threaded, as indicated at 12, for attachment to the spindle.

In practice with the appliance attached to any rotating spindle, when a head of cabbage is forced against the pointed end thereof, blade 6 is moved about the axis of the pintle 8 so that the side 10 of shoulder 9 comes against the side 4 of slot 3, this positioning the blade at an angle whereby it readily feeds into the core of the cabbage, cutting the same spirally, as will be obvious. The heads of cabbages may be pressed onto the appliance as far as desired and then withdrawn therefrom. The first effect of the withdrawing movement is to turn the blade so that the side 11 of head 9 engages against the forward side 5 of the slot, the blade automatically taking another angle and positioning itself so that on removal of the head of cabbage from the appliance, the shredding of the core is completed by an opposite spiral cutting thereof. This follows from the pivotal connection of the blade to the rod 1 and the limited extent of movement in either direction beyond a plane at right angles to the longitudinal axis of the rod which is allowed the blade from such construction.

An appliance of this character is simple in structure but works automatically to reverse the position of the blade so that it cuts and shreds the cores of heads of cabbages in both directions of movement of the head of cabbage with respect to the appliance. No separate operation is necessary for reversal of the position of the cutting blade and the shredding of cores of cabbages is very quickly and rapidly accomplished.

I claim:

1. In a device of the character described, a rod having a pointed end, a blade pivotally mounted on the rod a short distance back of said pointed end, said blade extending laterally from the rod, and means limiting the pivotal movement of the blade with respect to the rod, said blade being adapted at its extreme positions of movement to lie at oppositely disposed angles to a plane perpendicular to the axis of the rod, substantially as described.

2. In a device of the character described, a rod provided with a pointed end, and hav-

ing a slot cut in one side thereof a short distance back of said end of the rod, a blade having a cutting edge, a pintle extending from one end of the blade and loosely
 5 through the rod at the slot thereof, said pintle paralleling and being located slightly within the cutting edge of the blade, and a head on the blade entering the notch, said head being widest at the cutting edge of the
 10 blade and tapering in width to the opposite edge of the blade, substantially as and for the purpose described.

3. In a device of the character described, a rod having a pointed end, a blade having
 15 a cutting edge pivotally mounted on and extending laterally from the rod a short distance back from the pointed end thereof, the axis of the pivot paralleling and being located slightly within said cutting edge of
 20 the blade, and means to limit the pivotal

movement of the blade to a short distance to each side of a plane passing through the pivotal axis of the blade and perpendicular to the length of the rod, substantially as described.

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4. In a device of the character described, a rod having a pointed end and spaced apart stops located a short distance back of said pointed end and at one side of the rod, a blade pivotally mounted on and extending
 30 laterally from the rod, the inner end of the blade passing between said stops, and a head on said rod adapted to cooperate with said stops to limit the pivotal movement of the blade to a short distance either side of
 35 a plane passing through the pivotal axis of the blade and located perpendicular to the length of the rod, substantially as described.

In testimony whereof I affix my signature.
 HENRY C. HACHMUTH.

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