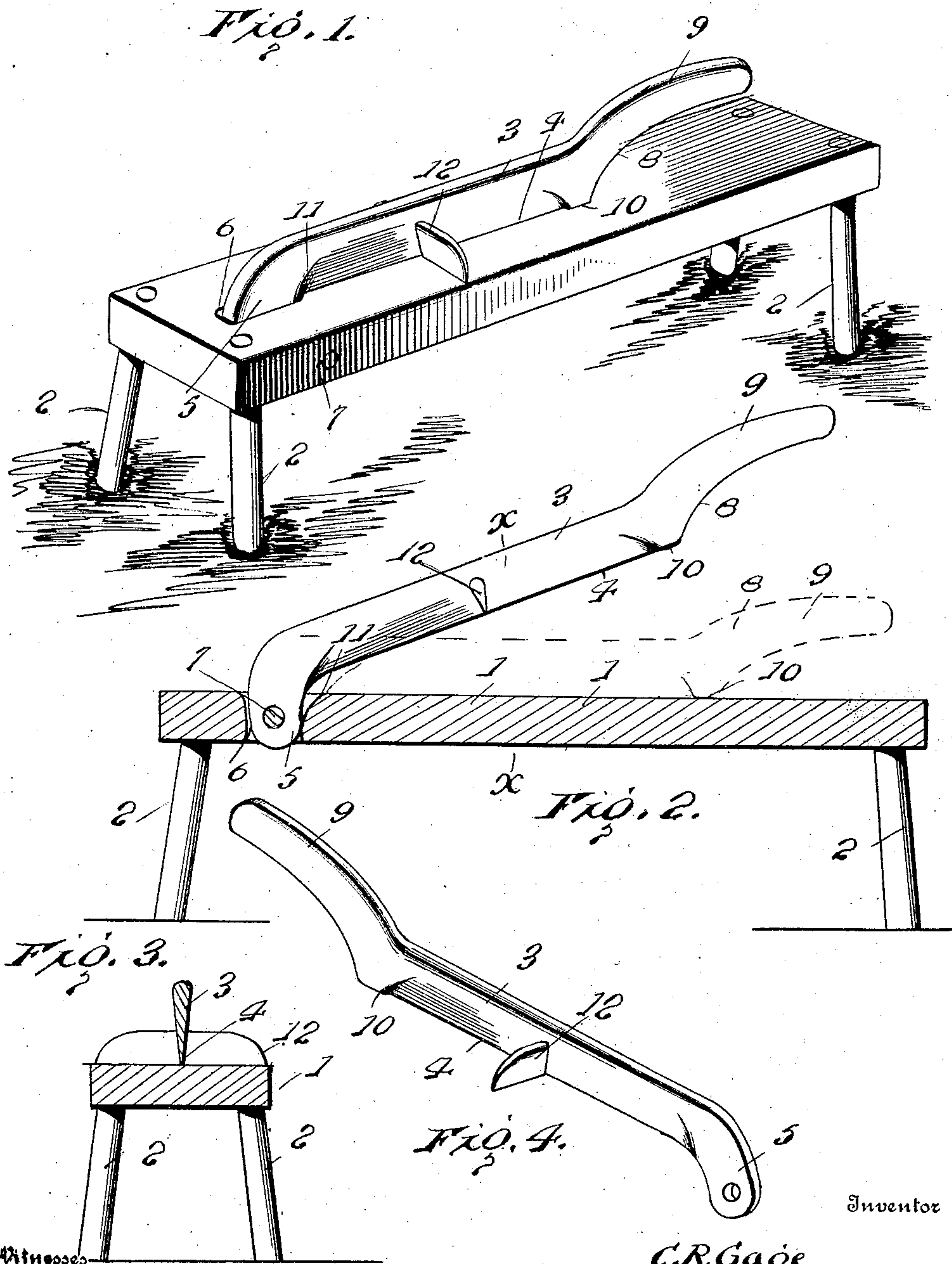


No. 845,627.

PATENTED FEB. 26, 1907.

C. R. GAGE.
SEED POTATO CUTTER.
APPLICATION FILED MAY 4, 1906.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

CHANCEY R. GAGE, OF SIOUX FALLS, SOUTH DAKOTA.

SEED-POTATO CUTTER.

No. 845,627.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed May 4, 1906. Serial No. 315,244.

To all whom it may concern:

Be it known that I, CHANCEY R. GAGE, a citizen of the United States, residing at Sioux Falls, in the county of Minnehaha and State of South Dakota, have invented certain new and useful Improvements in Seed-Potato Cutters, of which the following is a specification.

The present invention has for its object to provide an improved device for cutting potatoes for seeding purposes which is peculiarly designed so as to meet the combined requirements of great efficiency in operation, extreme simplicity in construction, and low first cost.

For a full description of the invention and the merits thereof, and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view of the cutting device. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a transverse sectional view, on the line $x x$ of Fig. 2, and Fig. 4 is a detail perspective view of the lever.

Corresponding and like parts are referred to in the following description, and indicated in all the views of the drawings by the same reference characters.

The numeral 1 designates the base of the device, which is in the form of a longitudinal rectangular block of wood or similar material which is supported upon the legs 2. It will be observed that the legs 2 diverge outwardly, so as to form a substantial support for the block 1. A lever 3 extends longitudinally along the base-block 1 and has a portion of its lower edge sharpened to form the cutting-knife 4. One end of the lever 3 is provided with a downwardly-extending arm 5, which is disposed at an angle to the body portion of the lever 3 and fits within a longitudinal slot 6 in one end of the block 1. A pivot-pin 7, which is inserted through an opening in one side of the block 1, passes through the downwardly-extending arm 5 of the lever and forms the bearing upon which the latter is pivoted. At a point toward the swinging end of the lever an offset portion 8 is provided, which causes the end 9 of the lever to assume a spaced position with regard

to the block 1. This spaced end 9 of the lever is so formed, as shown in the drawings, as to constitute a convenient handle for the operation of the cutting device. Attention is directed to the fact that the portion 10 of the lower edge of the lever 3, which lies between the cutting edge 4 and the offset portion 8, bears against the block 1 and prevents the latter from being injured by the knife-edge 4. It will also be observed that one of the ends of the slot 6 is beveled or inclined at 11 and constitutes a stop for the downwardly-extending arm 5 at the end of the lever to prevent the knife-edge and base from injuring each other. At an intermediate point on the lever 3 a transverse member 12 is provided, the lower edge of which is sharpened and lies flush with the knife-edge 4. It will be observed that the transverse piece 12 has an approximately V-shaped formation and fits within a dovetail slot in the lever 3. With this construction the transverse piece 12 can be readily slipped longitudinally out of position, but is rigidly held against any vertical movement while the device is in operation.

Attention is directed to the extreme simplicity of the various parts of the device and the peculiar manner in which they mutually cooperate to prevent the block 1 from being injured by the cutting-blades.

Having thus described the invention, what is claimed as new is—

In a device of the character described, the combination of a base-block having a slot therein, means for supporting the base-block, a lever extending along the base-block and having a lateral arm at one end thereof which is pivotally mounted within the slot, the opposite end of the lever being provided with a handle and the lower edge thereof being sharpened, and a transverse member having an approximately V-shaped cross-section and fitting within a dovetail slot in the lever, the lower edge of the transverse member being sharpened and so placed as to lie flush with the lower edge of the lever.

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

CHANCEY R. GAGE. [L. s.]

Witnesses:

W. C. HOLLISTER,

EDITH JOHNSON.