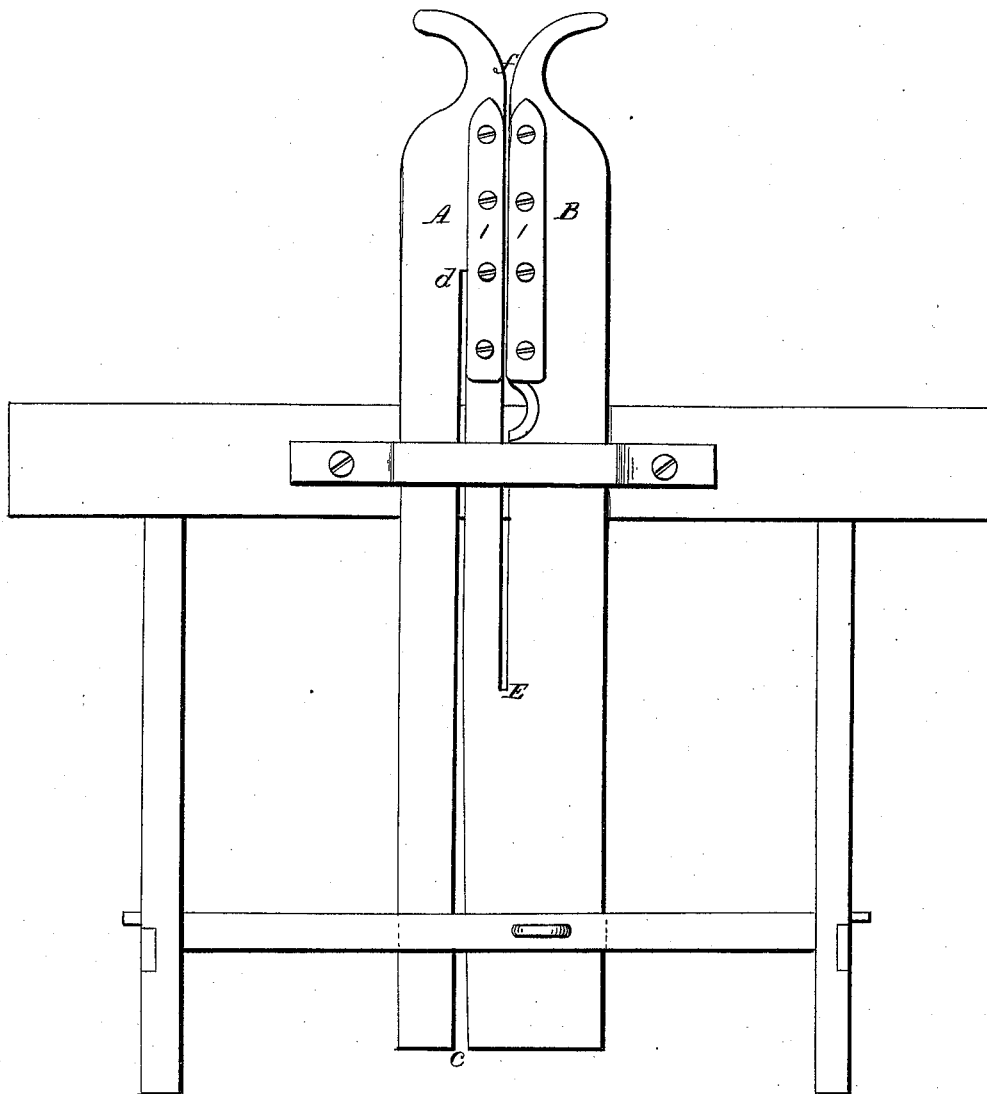


K. W. DOUDNA.

Cane-Stripper.

No. 53,126.

Patented Mar. 13, 1866



Witnesses.
Amos Finch
John Hewetson

Inventor.
Knowij W Doudna

UNITED STATES PATENT OFFICE.

KNOWIS W. DOUDNA, OF MILWOOD TOWNSHIP, GUERNSEY COUNTY, OHIO.

IMPROVEMENT IN BROOM-CORN AND SORGHUM STRIPPERS.

Specification forming part of Letters Patent No. 53,126, dated March 13, 1866.

To all whom it may concern:

Be it known that I, KNOWIS WEBSTER DOUDNA, of Millwood Township, in the county of Guernsey and State of Ohio, have invented a new and useful Machine for the Purpose of Removing or Stripping Off the Seeds of Broom-Corn and Sorghum-Cane; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, in which—

A and B are the jaws of clamp *a*, viewed from the front. These jaws are faced for part of their length with a thin plate of iron or other smooth metal. (See 1 1.) The board or flat piece of wood of which the machine consists is sawed or split, as represented by the lines *c d* and *e f*, so that the divisions pass each other for such a length and at such a distance apart as will make the jaws separate sufficiently to admit a stalk of broom-corn or sorghum, when the part of said stalk immediately below the seed is pressed into the notch or division *e f* by the hand of the operator, and also for such a length and distance apart as will cause the jaws of the clamp to approach each other in a parallel position when their upper ends are pressed together with sufficient force to strip off the seed when the stalk is drawn through.

The machine, when in operation, is supported on a bench by a mortise passing through the bench and through a board at its feet, as

seen in the model, or it may be attached to a log or board or any other convenient support sufficient to retain it in vertical position, and permitting the opening at the lower end to so enlarge as to cause the jaws to approach each other in a parallel, or nearly parallel, position when the material to be operated upon is between the jaws. The operator, standing or sitting on the unplated side of the machine, rests the left hand on one jaw of the clamp, and with the right hand forces the broom-corn or sorghum between the jaws and by drawing it quickly toward the body, while the left hand presses the handles together, strips off the seeds, and thus cleans the corn or cane.

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

The application to the operation of removing the seeds from broom-corn and sorghum-cane, of the spring or principle of motion produced by dividing a flattened piece of wood so that the dividing lines, starting from opposite ends, shall pass each other for such length and at such a distance apart as will secure the approach of the jaws of machine or clamp in a parallel, or nearly parallel, position when a stalk or stalks of broom-corn or sorghum-cane is placed between, in a horizontal position, the clamps or jaws of my machine.

KNOWIS W. DOUDNA.

Witnesses:

ISAAC W. HALL,
JOSEPH G. WEBSTER.