

J. W. DAVENPORT.
Shingle Shaving Machine.

No. 201,503.

Patented March 19, 1878.

Fig. 1

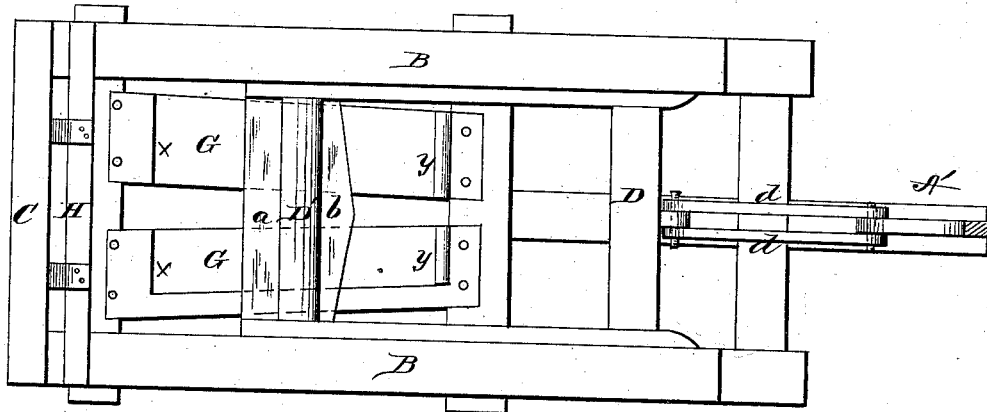
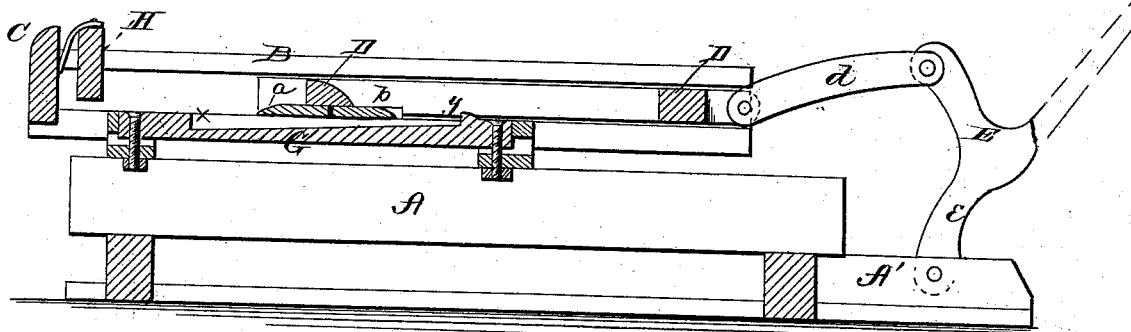


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN W. DAVENPORT, OF CUMBERLAND CITY, ASSIGNOR OF ONE-HALF HIS RIGHT TO J. H. SULLIVAN, OF SHILOH, TENNESSEE.

IMPROVEMENT IN SHINGLE-SHAVING MACHINES.

Specification forming part of Letters Patent No. **201,503**, dated March 19, 1878; application filed January 16, 1878.

To all whom it may concern:

Be it known that I, JOHN W. DAVENPORT, of Cumberland City, in the county of Stewart, and in the State of Tennessee, have invented certain new and useful Improvements in Shingle-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a machine for shaving shingles by hand-lever power, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view of my machine. Fig. 2 is a longitudinal section of the same.

A represents a bed-frame of suitable construction, upon which are secured two parallel beams, B B, connected at one end by a head-piece, C, as shown. The beams B B have on their inner sides longitudinal grooves to receive a sash, D, to a cross-bar, D', in which are attached two knives, *a* and *b*.

The sash D is, by means of two rods or bars, *d d*, connected with one arm of an elbow-lever, E, which is provided with a third arm, *e*, extending downward, and pivoted in a mortise made in a bar, A', extending from the main frame A.

It will be seen that the sash D is moved back and forth in the guides B B by working the long arm of the lever E.

Below the sash in the main frame are formed

two beds, G G, which are made inclined, as shown in Fig. 1, and deeper at one end than at the other, as seen at *x* and *y* in Fig. 2. Inside, from the head-piece C, is secured an abutment, H, under which the knife *a* passes.

This machine is portable, and can be moved to the timber with very little trouble, and secured to two sills. The knife *a*, on the back part of the sash, is to cut and straighten the edge of the shingle by holding the same against the abutment H. The other knife, *b*, shaves the shingles.

The timber is first fed in the deep side *x* of the bed, and then turned over to the other side and finished.

The knife *b* that finishes the shingles is made with inclined cutting-edge, to pass easier through the timber and prevent splintering.

The machine may be made long enough to dress staves.

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

1. In a hand-power shingle-machine, the combination of the reciprocating sash D with knives *a b*, beds G G, and operating-lever E, substantially as and for the purposes herein set forth.

2. The abutment H, in combination with the sash D and knife *a*, as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 3d day of December, 1877.

JOHN W. DAVENPORT.

Witnesses:

J. H. BISHOP,
WILLIAM B. DOSS.