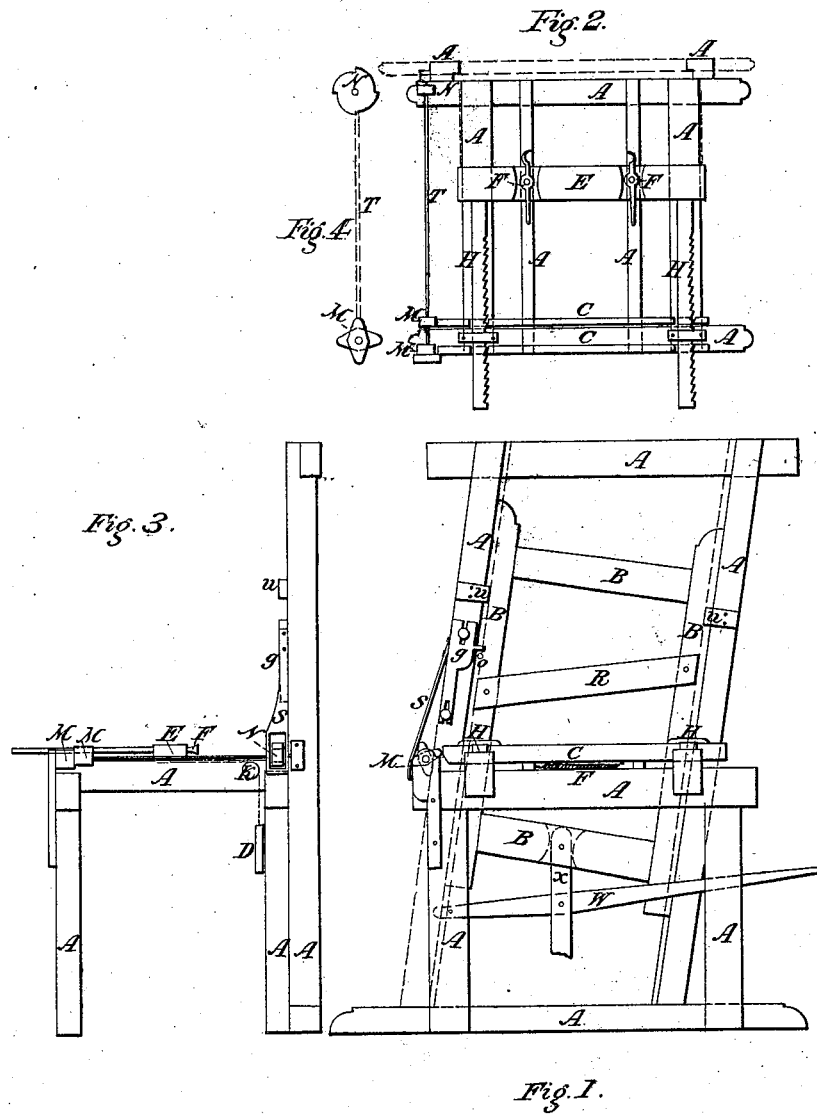


T. Walcott,
Cutting Shingles.

N^o 1,932.

Patented Jan. 20, 1841.



UNITED STATES PATENT OFFICE.

TRUMAN WALCOTT, OF STOW, MASSACHUSETTS.

MACHINE FOR CUTTING SHINGLES.

Specification of Letters Patent No. 1,932, dated January 20, 1841; Antedated September 5, 1840.

To all whom it may concern:

Be it known that I, TRUMAN WALCOTT, of Stow, in the county of Middlesex and State of Massachusetts, have invented a new and Improved Mode of Cutting Shingles; and I do hereby declare that the following is a clear, full, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of the specification, in which—

Figure 1 represents an elevation of the front side; Fig. 2, a top view of the same; Fig. 3, an end view; Fig. 4, a view of the ratchet wheel and cams, and shaft to which they are attached.

Letters A, A, A, on Figs. 1, 2, 3, represent the frame work of the machine, into which the various parts of the machinery are placed.

Letters B, B, B, on Fig. 1, are the frame work which I term the gate.

Letter R on Fig. 1, is the knife which is attached to the gate by means of bolts.

Letter X, on Fig. 1, is the sweep attached to the gate, by which the power is applied.

Letter W, on Fig. 1, is the lever attached to the sweep, by which the power is also applied.

Letter O, on Figs. 1 and 3, is a small pin attached to the gate.

Letter G, on Figs. 1 and 3, is a slide affixed to the frame work of the machine.

Letter P, on Fig. 1, is a small pin attached to the slide Y.

Letter S on Figs. 1 and 3, is a spring attached to the slide G.

Letter L on Fig. 4, is a shaft.

Letter N on Fig. 4, is a ratchet wheel attached to one end of the shaft L.

Letters M, M, on Figs. 1, 2, 3 and 4, are two cams, attached to the shaft L, at the end opposite the ratchet wheel N.

Letter E, on Fig. 2, is the head block to which the block of wood, to be operated upon, is dogged.

Letters F, F, on Fig. 2, are two dogs, attached to the head block E.

Letters H, H, on Figs. 1 and 2, are two tooth gages, attached to the head block E.

Letter K, on Fig. 3, is two small pulleys, attached to the frame work of the machine.

Letters D, D, in Figs. 1 and 3, are two weights attached to the head block E, by means of a small cord running over the pulleys K.

Letters C, C, on Figs. 1 and 2, are two shippers affixed horizontally in engaging and disengaging with the tooth gages H, H, as hereinafter described.

Letters U, U, on Fig. 1, are two hook pins attached to the frame work of the machine.

Letter T, on Fig. 1, is two spiral springs attached to the side of each shipper C, C.

The gate B, works in a rabbet formed in the oblique frame, shown on Fig. 1; which is held in by the hoop pins U U, and which acts up and down. The motion upward acts upon the slide G, and spring S, by means of the pin O, on the gate B, striking the pin P in the slide G, which pin raises the slide G and the spring S, (which affixes itself to the ratchet wheel V, by the motion of the gate downward) sufficient to turn the ratchet wheel N, one quarter around, which gives the same motion to the shaft L and cams M M; the motion of which one of the cams forces out the shipper C, which is engaged with the two tooth gages H, H, by means of the spring T, the other shipper C, engages with the two tooth gages H H. The next motion of the gate upward acts on the other shipper that is engaged with the two tooth gages H H. The disengaging of the shipper from the tooth gage H H, feeds up the head block E, to the knife, by means of the weights D D, the thickness of a shingle.

The block of wood to be operated upon is attached to the head block by means of the two dogs F F, which can be tightened at pleasure by means of a small tooth stop attached to the head block E.

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

The combination of the ratchet wheel, cams, shippers, and tooth gages, for the purpose and in the manner specified.

TRUMAN WALCOTT. [L. s.]

Witnesses:

GEORGE Q. RICE,
FRANKLIN RICE.