

S. M. KING.

Machines for Dressing Shingles.

No. 158,946.

Patented Jan. 19, 1875.

Fig. 1.

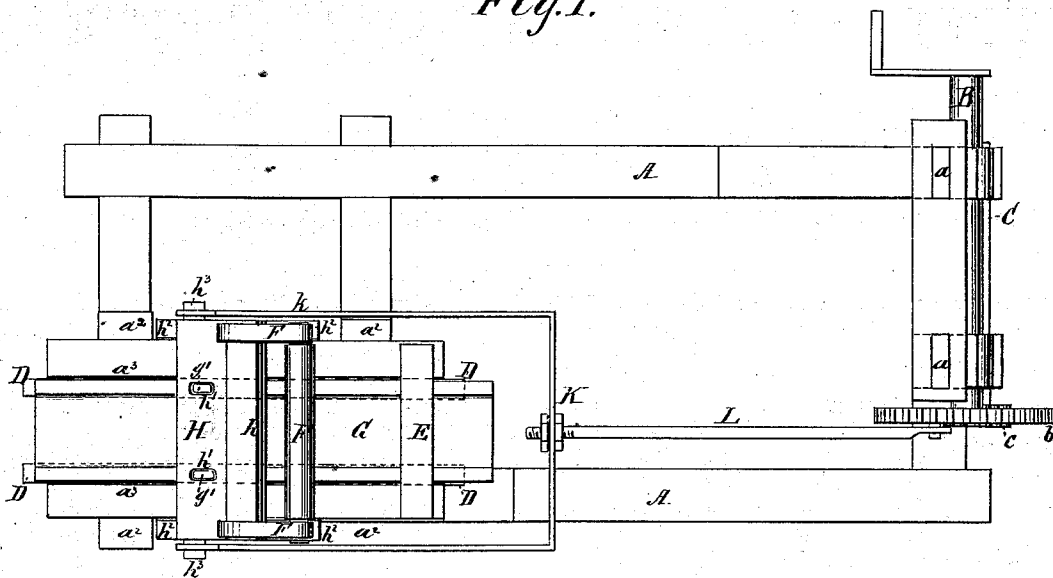


Fig. 2.

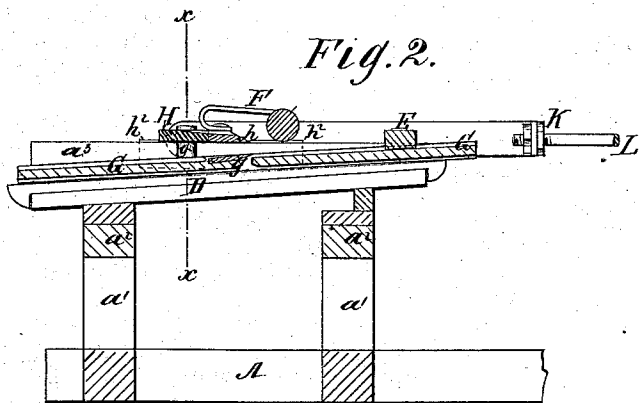
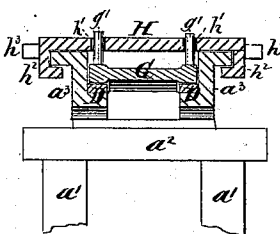


Fig. 3.



Witnesses:
G. M. King
John Chemon

Inventor:
Samuel M. King
Per

Attorneys.

UNITED STATES PATENT OFFICE

SAMUEL M. KING, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN MACHINES FOR DRESSING SHINGLES.

Specification forming part of Letters Patent No. **158,946**, dated January 19, 1875; application filed January 4, 1875.

To all whom it may concern:

Be it known that I, SAMUEL M. KING, of the city and county of Lancaster, and State of Pennsylvania, have invented a new and Improved Machine for Dressing Shingles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a top view. Fig. 2 is a vertical longitudinal section. Fig. 3 is a vertical cross-section in line *x x* of Fig. 2.

The invention relates to and consists in novel means whereby both sides of a shingle may be planed and face-smoothed at a single operation, as hereinafter more fully described, and subsequently pointed out in the claim.

A represents a frame, having, upon one end, uprights *a*, upon which are held the revolving shafts B C, provided with spur-wheel *b* and pinion *c*, while upon the other uprights, *a'*, are supported the cross-pieces *a''* and longitudinal pieces *a'''*. Between the horizontal pieces *a'''*, and to the inside of each, is attached an inclined track, D. At the upper end and across these tracks D D is located the rest E, against which is sustained the small end of the shingle, while the large end is held beneath a spring-clamp, F. G is the bottom planer, provided with a cutter, *g*; and H, the upper planer, having cutter *h*, the two placed opposite to each other, and connected by the studs *g'* *g'*, that pass loosely through holes *h'*

h'. The planer H has not only the clamp F attached thereto, but is provided with overlapping vertical and guiding sides *h''* *h''* and side studs, *h'''* *h'''*. To the latter are pivoted the ends of the arms *k k* of frame K, with which is connected the crank-pitman L, driven by the gear *b c*.

As the planers G H are drawn forward over the shingle from butt to point, the subjacent planer G gradually rises on the inclined tracks D D, and accommodates itself to the bevel of the shingle, and forces the shingle at the same time to gradually rise in a corresponding manner in front of the upper planer, H.

By this machine not only may the shingle be face-smoothed uniformly and in a workman-like manner, but this may be done with such rapidity as nearly to lessen one-half the usual cost of this mechanical operation.

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

The combination, with rest E, clamp F, upper cutter, H *h*, and inclined track D, of the shingle-support G, provided with a planing-knife, and movable over the bottom of shingle, in the manner and for the purpose described.

The above specification of my invention signed by me this 4th day of December, 1873.
SAML. M. KING.

Witnesses:

SOLON C. KEMON,
CHAS. A. PETTIT.