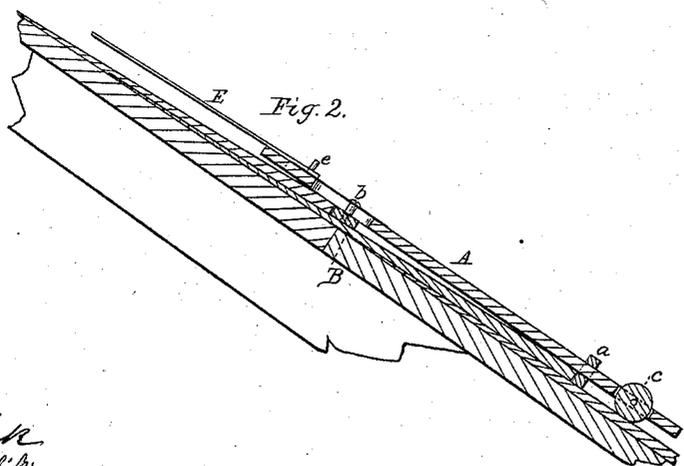
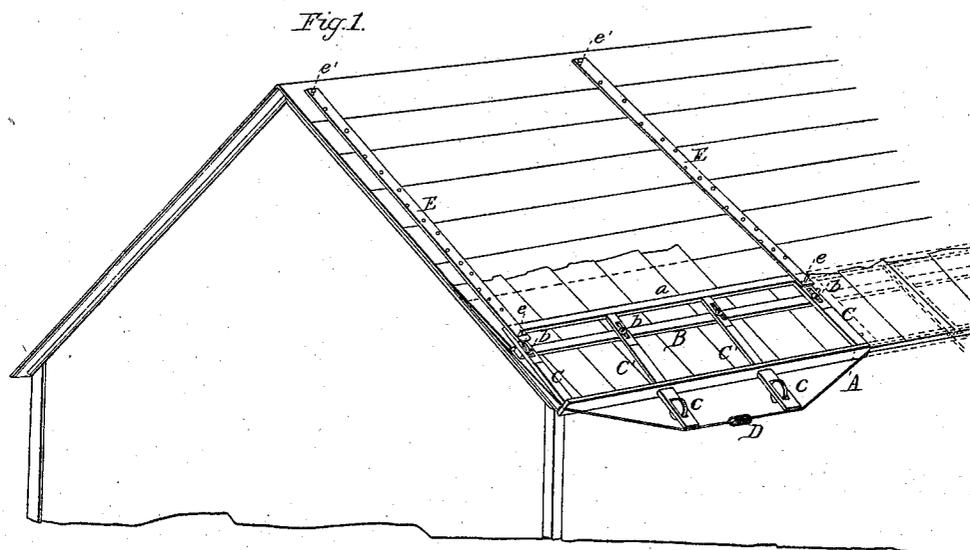


*E. P. Newbank,
Shingling Cage,*

N^o 54,584,

Patented May 8, 1866.



*Witnesses.
J. Newbank
R. W. Philips*

*Inventor
E. P. Newbank*

UNITED STATES PATENT OFFICE.

E. P. NEWBANKS, OF LINCOLN, ILLINOIS.

IMPROVEMENT IN SHINGLING-GAGES.

Specification forming part of Letters Patent No. 54,584, dated May 8, 1866.

To all whom it may concern:

Be it known that I, E. P. NEWBANKS, of Lincoln, in the county of Logan and State of Illinois, have invented certain new and useful Improvements in Shingling-Gages; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, making part of this specification, A represents a frame, in which *a a* represent the sides, and C C the end pieces, said pieces being securely jointed together.

C' C' represent two transverse pieces of this frame, which are mortised into the upper side piece *a*, and which pass through a mortise in the lower side piece, as shown. The ends of the pieces C' C' extend beyond the lower piece *a*, and are provided with rollers *c c*, which are placed in mortises and pivoted in said pieces C' C'.

D represents a metallic rod attached at each end to the frame A, passing around the ends of the pieces C' C', answering the purpose of a stay.

The lower piece *a* is made to project on its under side below the frame, forming a shoulder or flange to rest against the butts of the last row of shingles which has been nailed on.

B represents a bar, which lies longitudinally of the frame, and under it being confined to said frame by means of screws which pass through slots in the pieces C C' C'. This bar is adjustable by means of the screws *b b*, which confine it to the frame.

E E are two metallic straps, which are pro-

vided with holes at regular distances, said straps being confined at one end to the frame A permanently. Pins *e' e'*, passing through the holes in the upper end of the straps, and then into the roof of the building, serve to stay or hold the frame A at any desired point.

In using this machine the straps E E are confined to the roof by means of pins *e' e'* after the first row of shingles has been nailed on, so that the flange or shoulder of the lower piece *a* will rest against the butts of the shingles of this row. The adjustable bar B is then placed and secured in such a position or at the distance from the butts of the row just put on that it is desired to have the butts of the next row reach. In nailing on the row now, the butt of the shingle is placed against the adjustable strip B and then nailed on, so that the butts of all the shingles in the row will be in a line, being first pressed against the adjustable strip before being nailed on. Of course as each row of shingles is nailed on the machine is raised higher, and stationed by the pins in the straps E, in every case placing the shoulder of piece *a*, as described, against the butts of the row of shingles last nailed on.

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

The shingle-gage herein described, being composed of the frame A, adjustable bar B, and straps E E, constructed and used as and for the purpose herein set forth.

E. P. NEWBANKS.

Witnesses:

R. W. PHILIPS,
T. NEWKIRK.