C. PATCHETT & R. P. MORRISON.

SHINGLE MARKING MACHINE.

APPLICATION FILED APR. 8, 1912.

1,066,314. Patented July 1, 1913.

Fig. 1.

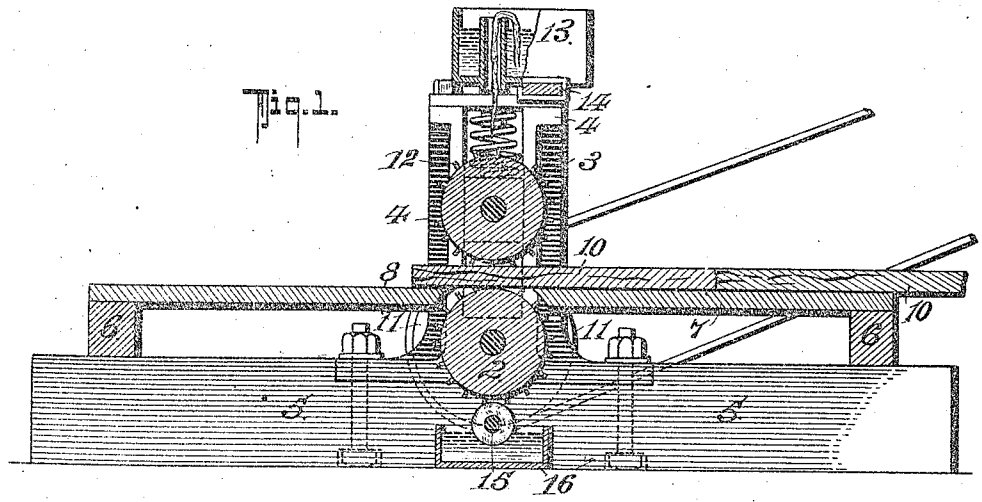


Fig. 2.

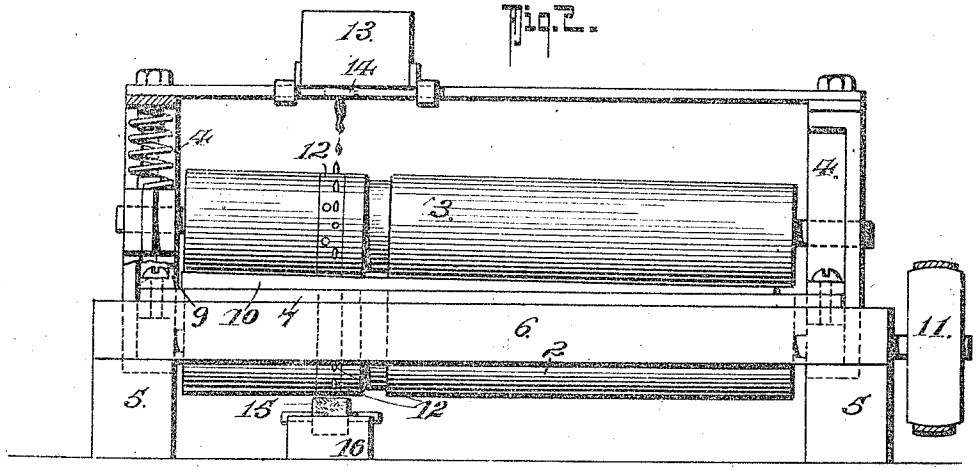


Fig. 3.

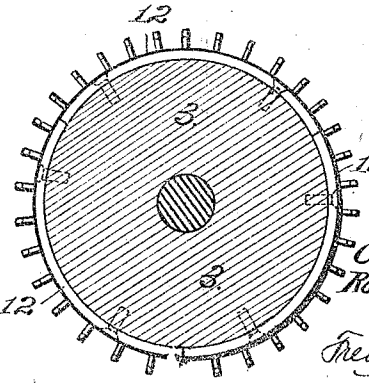
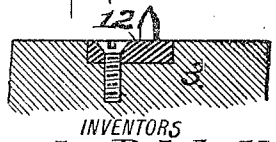


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SHINGLE-MARKING MACHINE.

1,066,314. Specification of Letters Patent. Patented July 1, 1913.

Application filed April 8, 1912. Serial No. 689,351.

To all whom it may concern:

Be it known that we, CHARLES PATCHETT and ROBERT P. MORRISON, citizens of the Dominion of Canada, residing at Vancouver, in the Province of British Columbia, Canada, have invented a new and useful Shingle-Marking Machine, of which the following is a specification.

This invention relates to a device for marking the faces of shingles with lines parallel to their butts, the object of which is to facilitate the work of laying the shingles by dispensing with the necessity for stretching a gaging line or using a straight edge.

The object of the invention has been to provide a simple marking machine through which the shingles may be rapidly passed as they come from the shingle saw and before delivery to the packers, during which passage both faces of the shingles will be marked with one or more lines in accordance with the "weathering" they are required to have.

The invention is particularly described in the following specification, reference being made to the drawings by which it is accompanied, in which:

Figure 1 is a longitudinal section through the machine. Fig. 2, an end view, and Figs. 3 and 4, enlarged details showing the application of the marking points to the roller.

In these drawings 2 and 3 represent ordinary rollers of wood or metal, the axles of which are free to rotate in bearings in side frames 4 secured to the foundation sills 5 and between these sills 5 and supported on cross members 6 at the approximate level of the top of the lower roller 2 are receiving and delivery plates 7 and 8 on which the shingles 10 are passed through between the rollers, a fence strip 9 being provided along one side of the receiving plate 7 against which the butts of the shingles are to be placed.

One of the rollers, preferably the lower one 2, is driven by a belt taking over a pulley 11 and the other is spring loaded that it will be held in frictional contact with the shingle inserted between the rollers and will rotate therewith.

Each roller is provided with a ring of spikes 12 by which the marking of the shingle is effected as it passes through between them, the butts of the shingles being pressed against the gage fence 9.

If considered desirable, a pigment may be delivered upon the spike points 12; that on the upper roller 3 from a tank 13 supported above it on a bar 14 in a manner to permit of lateral adjustment to variation of the "weathering" mark, and the points of the lower roller 2 may rotate their pigment by contact with a belt roller 15 rotatable in a bath 16 underneath the machine.

The points 12 are preferably chisel pointed in the plane of rotation, as shown in Figs. 3 and 4. They may be directly inserted in the roller in any convenient manner but as they are practically the only part which is subjected to any wear, they will preferably be applied in ring segments somewhat as shown in Figs. 3 and 4 so that when worn they may readily be replaced and that the distance of the "weathering" line from the butts of the shingles may be readily varied to meet requirements.

An inexpensive and effective device is thus provided by which the shingles, before they are packed, may be marked with one or more lines parallel to the butts which lines will facilitate the work of laying the shingles, as the shingle layer will be saved the time in marking a line for each row of shingles to determine the "weathering."

Having now particularly described our invention, we hereby declare that what we claim as new and desire to be protected in by Letters Patent, is:

In a shingle marking machine, a table over which the shingles are adapted to be passed, said table having an opening, a lower marking roller mounted beneath said table in cooperation with said opening, said lower marking roller having a peripheral groove, a spiked band mounted in said groove, the spikes of which band are adapted to indent the underside of the shingles, a correspond-

ing roll mounted above said lower roll, said corresponding roll also including a spiked indenting band, and means for applying a marking fluid to the spikes of the respective indenting bands whereby the marking fluid will be carried to the indentations in the shingle, substantially as shown and for the purposes described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

CHARLES PATCHETT.
ROBERT P. MORRISON.

Witnesses:
ROWLAND BRITTAIN.
MAY WHYTE