

(No Model.)

T. H. MONTGOMERY.
ROOF CLEAT FOR HANGING PAINTERS' FALLS.

No. 555,016.

Patented Feb. 18, 1896.

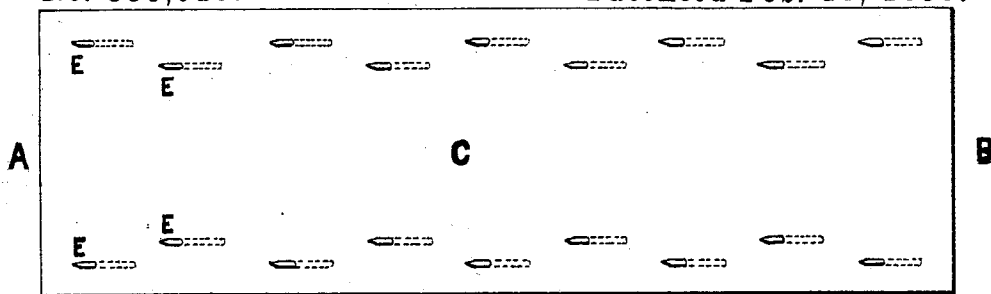


Fig. 1 **REVERSE SIDE**

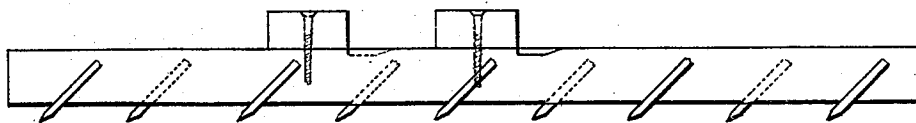


Fig. 2 **SEC. THROUGH A and B**

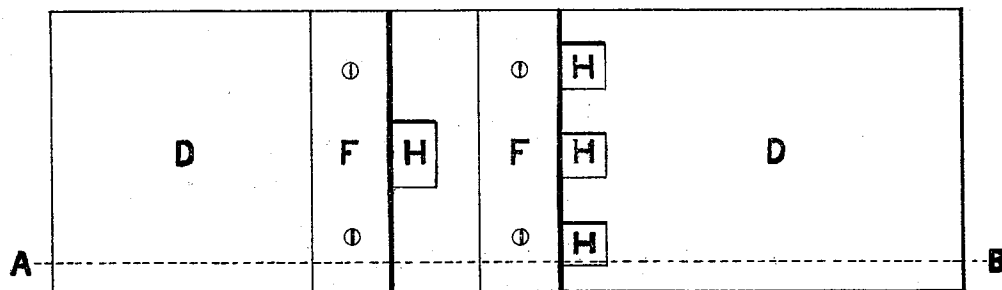


Fig. 3 **TOP SIDE**

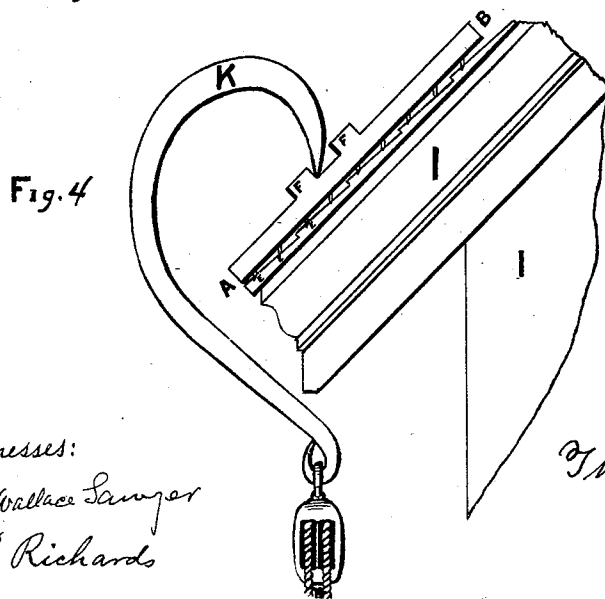


Fig. 4

Witnesses:
Frank Wallace Sawyer
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THOMAS HOWARD MONTGOMERY, OF OAKLAND, CALIFORNIA.

ROOF-CLEAT FOR HANGING PAINTERS' FALLS.

SPECIFICATION forming part of Letters Patent No. 555,016, dated February 18, 1896.

Application filed June 3, 1895. Serial No. 551,532. (No model.)

To all whom it may concern:

Be it known that I, THOMAS HOWARD MONTGOMERY, a citizen of the United States, residing at the city of Oakland, in the county of Alameda and State of California, have invented a certain new and useful Roof-Cleat for Hanging Painters' Falls; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to use the same.

Heretofore painters have used as a roof-cleat for hanging painters' falls a rough piece of board-lumber nailed onto the roof by driving nails through the cleat into the shingles. Generally these cleats are nailed on very thoroughly with a great many large nails, and when the cleat is removed the shingles will nearly always be split and damaged to such an extent that many of them are removed and broken, so that they fail to afford shelter from rain as was originally designed.

Now the object of my invention is to provide a thoroughly safe painter's cleat that can be placed upon the surface of the shingles on the roof of the building without nailing aforesaid or otherwise fastening the cleat; and to this end my invention consists in taking any tough board-lumber, or other material, of sufficient size to meet all requirements. Therefore, should at any time the measurements be different, the size of the cleat of my invention is to be made and constructed accordingly, so that there shall at all times be four of the steel points E resting upon each row of shingles, as in Figure 4, excepting at the highest end, at which end only two steel points shall rest upon the shingle; but whereas the shingles upon the roof of buildings are mostly uniform in measurement I shall use measurements for my specification.

Letters A B C D indicate whole board. Letter A indicates one end of the board, which is designated the "lower end" by reason of the position it occupies on the roof. Letter B indicates the other end of the board, which is designated the "higher end" by reason of the position it occupies on the roof. Letter C indicates the bottom face of the board, and letter

D the top face; length of board, twenty-one inches; width, six and one-fourth inches; thickness, one and one-fourth inches.

Fig. 1 shows side of board, face C up. The points E, as seen on face C, Fig. 1, show pointed steel spikes, three-sixteenths by one and three-fourths inches, inserted into the board from face C and not through the full thickness of the board. The pointed spikes E are to be inserted so as to leave projected points on face C of board three-eighths of an inch and at a slant of an angle of about forty-five degrees toward end A with the flat surface of face C. Said pointed spikes E are to be inserted two and one-fourth inches apart in two rows on each side of face C, the end spikes to be one and one-half inches from either end, the outer row to be one-half inch from edge of board, and the inside row one inch from edge of board.

Fig. 2 shows a section of the cleat with the slant and position of spikes.

Letter F in Fig. 3 indicates two cross-cleats of board or other material in length equal to the width of the whole board; in thickness seven-eighths of an inch; in width one and seven-eighths inches. These cross-cleats F are fastened onto the whole board, face D, by one and three-fourths No. 12 screws, one in each end. The positions of these boards F are, one six inches from the lower end A of whole board, the other nine and three-fourths inches from same end. Letters H indicate notches made in the whole board on face D, one just above lower cross-cleat and three just above the higher cross-cleat, as indicated in Fig. 3. These are for the purpose of hanging the painter's hook K, as seen in Fig. 4.

In Fig. 4 is shown the position of the cleat upon roof of building I and the steel points E resting upon the shingles thereof, with the hook K fastened, and attached thereto the pulley for painters' falls.

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

An improved roof-cleat for hanging painters' falls, consisting of a board along each of the long sides of which are secured two par-

allel rows of spikes which incline downwardly and toward one end, with the spikes of one row alternating with those of the adjacent row, transverse strips or pieces secured to the
5 upper surfaces of the board, said upper surface, at the bases of the upper edges of the strips, being provided with notches adapted

to receive the points of the suspending-hooks of the falls, substantially as described.

THOMAS HOWARD MONTGOMERY.

Witnesses:

FRANK WALLACE SAWYER,
JAMES EDMUND RICHARDS.