

(No Model.)

W. SELLERS.
FLOORING CLAMP.

No. 367,243.

Patented July 26, 1887.

FIG. 1.

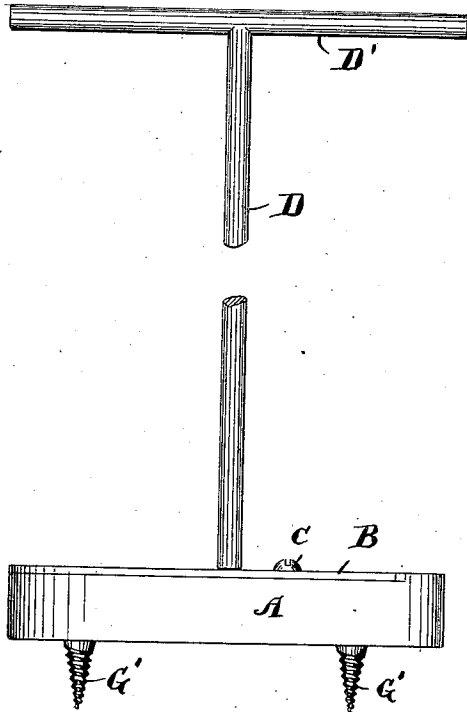


FIG. 2.

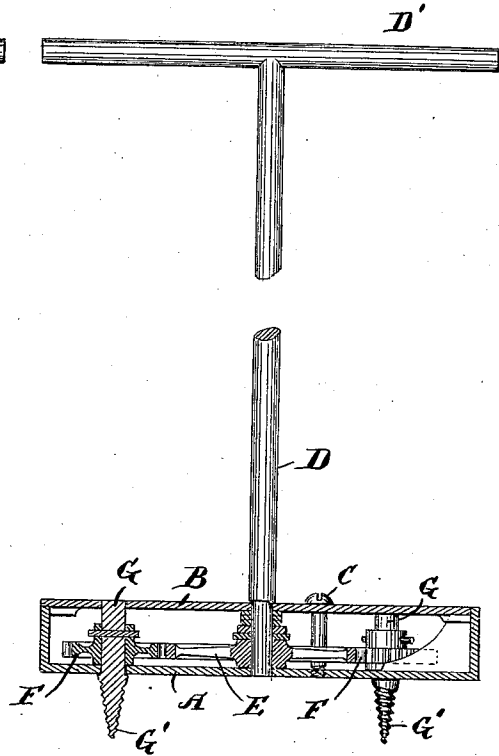
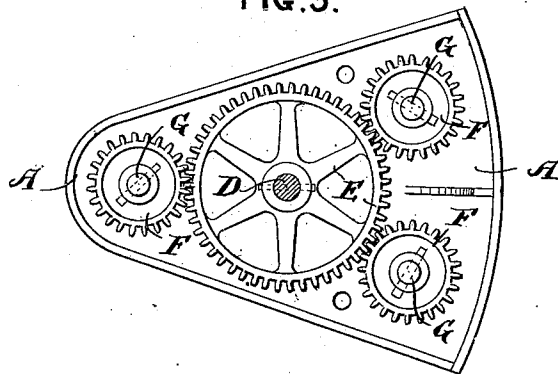


FIG. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM SELLERS, OF HAVERHILL, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO ALFRED M. SARGENT, OF SAME PLACE.

FLOORING-CLAMP.

SPECIFICATION forming part of Letters Patent No. 367,243, dated July 26, 1887.

Application filed December 20, 1886. Serial No. 222,132. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SELLERS, a citizen of the United States, residing at Haverhill, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Flooring-Clamps, of which the following is a specification.

My invention relates to improvements in implements or clamps for closing up the joints or adjusting the matched stuff of floors; and the invention consists of a metal casing of an approximate triangular shape, within which is a central cog-wheel made fast to the lower end of a shaft or spindle provided at its upper end with a handle or cross-bar, the central cog-wheel being in gear with three other cog-wheels of smaller diameter, the spindles of which are journaled near each corner of the casing and are provided at their lower ends with quick-threaded tapering screws, so that by turning the handle the three screws are simultaneously forced into the under floor, thus holding the implement firmly while a wedge is forced between the clamp and the flooring-board to be laid. By reversing the action of the cog-wheels the screws are quickly withdrawn and the clamp released.

Referring to the accompanying drawings, Figure 1 is a side view of a floor-clamp, embodying my invention. Fig. 2 is a longitudinal section of the same, and Fig. 3 is a plan view with the cover removed.

A represents a triangular casing of metal, curved at one end and provided with a cover that is secured to the casing by means of screws C.

D is a rod provided at its upper end with a handle or cross-bar, D'. The lower end of this rod is turned down to a smaller diameter and is passed through the cover B. To the lower end of rod D is secured a cog-wheel, E, the end of the rod being journaled in the bottom of the casing A.

At the apex of the triangular casing A, and at each opposite corner or angle of the same, are journaled cog-wheels F F F, of about one-half the diameter of the central cog-wheel, E, and in gear with the same. The spindles G, that carry the cog-wheels F, project below the bottom of the casing A, and are formed with tapering screws, G', having a quick thread, which, when the clamp is in use, are screwed into the under floor.

By turning the handle D, and with it the central cog-wheel, E, motion is transmitted to the three small cog-wheels F, so that they are all rotated at the same time, and the screws G enter the under floor, thus holding the implement firmly. A wedge is then forced between the curved end of the casing A and the flooring-board to be laid, which will force the board into position, when it is secured by nailing. The implement or clamp can then be easily and quickly removed by reversing the action of the cog-wheels to withdraw the screws.

What I claim as my invention is—

1. A floor-clamp consisting of a casing inclosing cog-wheels, the lower ends of their spindles being provided with tapering screws, and means for rotating said wheels simultaneously, substantially as set forth.

2. The combination of the casing A, cover B, rod D, and cog-wheel E, with the cog-wheels F and spindles G, provided at their lower ends with quick-threaded tapering screws, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM SELLERS.

Witnesses:

J. H. ADAMS,
E. PLANTA.