

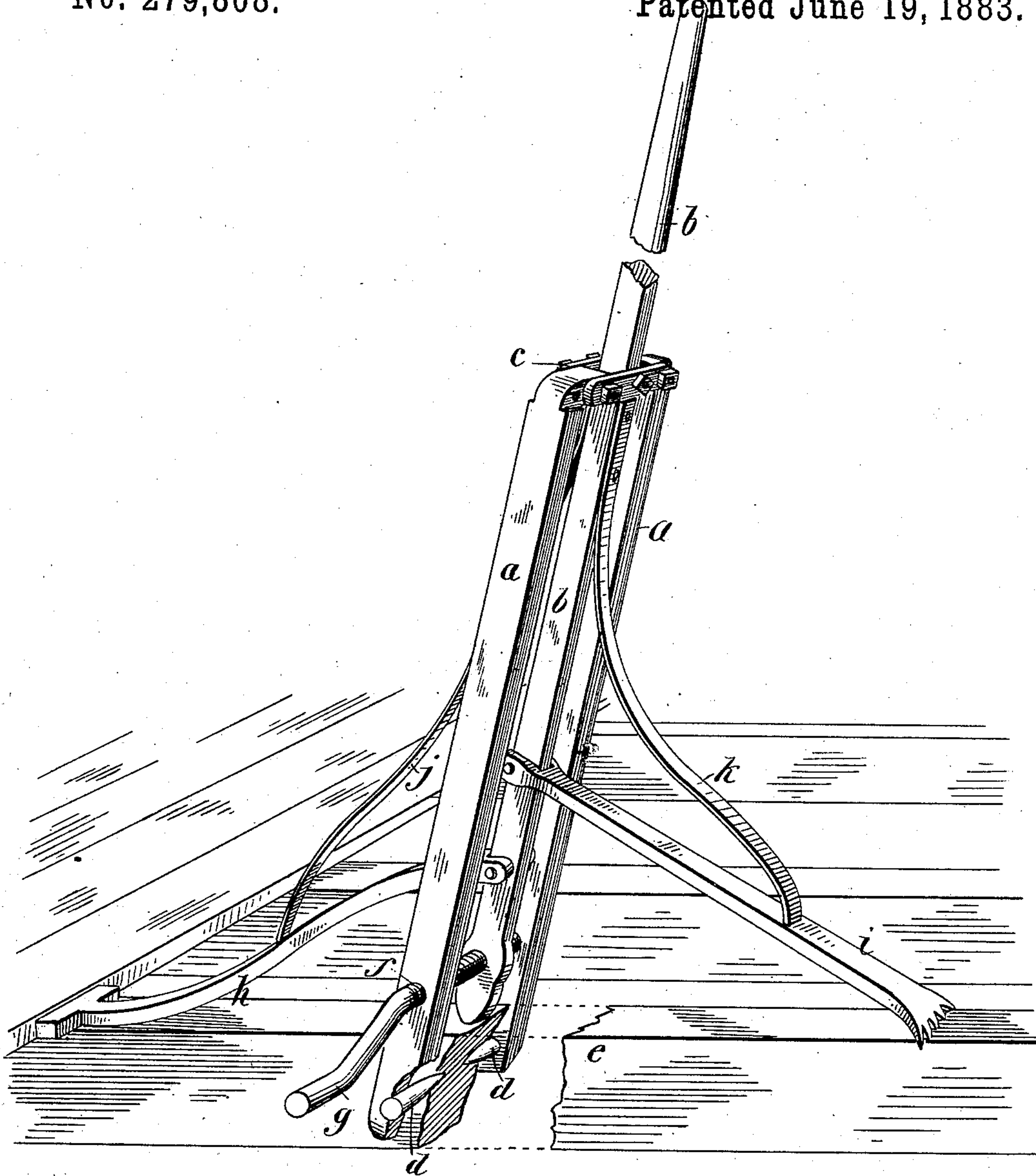
(Model.)

S. RAYMOND.

FLOOR CLAMP.

No. 279,808.

Patented June 19, 1883.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

SQUIRE RAYMOND, OF EAST VENICE, NEW YORK.

## FLOOR-CLAMP.

SPECIFICATION forming part of Letters Patent No. 279,808, dated June 19, 1883.

Application filed March 24, 1883. (Model.)

*To all whom it may concern:*

Be it known that I, SQUIRE RAYMOND, of East Venice, Cayuga county, and State of New York, have invented a new and Improved Floor-Clamp, of which the following is a full, clear, and exact description.

My invention consists of bars having spurs and a screw to force the spurs into the sides of the floor-beams, pivoted to the lever employed to press the floor-boards together, so that by resting the end of the lever on the floor-beam the spurs will be dropped down its sides, and may be forced into it for the fulcrum of the lever, making a substantial fulcrum to resist the strain, and with a spring holding-pawl to hold the lever in position after pressing up the boards and while nailing them; also, one that will hold the lever from overhead beams suitably for clamping up the ceiling, the same as the floor-boards; and also to the studding and girting on outside of buildings for clamping the siding, all as hereinafter fully described.

Reference is to be had to the accompanying drawing, forming part of this specification.

The drawing is a perspective view of my improved floor-clamp and a portion of a floor, showing the method of using it, a part of the beam to which the clamp is secured being broken out to show the spurs forming the fulcrum-pivots.

I connect a fulcrum-bar, *a*, to each of the two opposite sides of the lever *b* a suitable distance above the lower end by a suitable pivot-joint connection, *c*, extending said bars a suitable distance below the lower end of the lever, and provide them with spurs *d*, to be forced into the sides of the beam *e* by a right and left hand screw, *f*, screwing into screw-thread-

ed holes in the bars and passing through the lever, so as to turn freely in it for a bearing. One end of the screw is provided with a crank, *g*, for turning it to force the spurs in and out of the beam. The lever is provided with the usual push-pawl, *h*, holding-pawl, *i*, and pawl-springs, *j* and *k*. It will be seen that these spurs and the screw for working them afford a simple means of attaching the lever either to the upper or under side of the floor-beams, and to studding, and will hold the lever to the beams or studs in whatever position it may be applied, and that by means of the screw the device may be adjusted to fit over timbers of any thickness, the fulcrum of the lever remaining always the same.

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

1. The combination, with the lever of a floor-clamp, of the bars *a*, spurs *d*, and the adjusting-screw *f*, said bars being pivot-jointed to the lever, and extending beyond the end of it, and holding the spurs to be forced into the beam against which the lever bears, substantially as described.

2. The combination, with the lever *b*, provided with the spring-pressed push-pawl, and the spring-pressed holding-pawl, of the fulcrum-bars *a*, pivoted to opposite sides of the said lever, and provided with the spurs *d* at their lower projecting ends, and the adjusting-screw *f*, substantially as herein shown and described.

SQUIRE RAYMOND.

Witnesses:

GEORGE W. BOARDMAN,  
J. W. JOHNSON.