

(No Model.)

H. STEINEBREI.

SCAFFOLD CLAMP.

No. 308,005.

Patented Nov. 11, 1884.

Fig. 1.

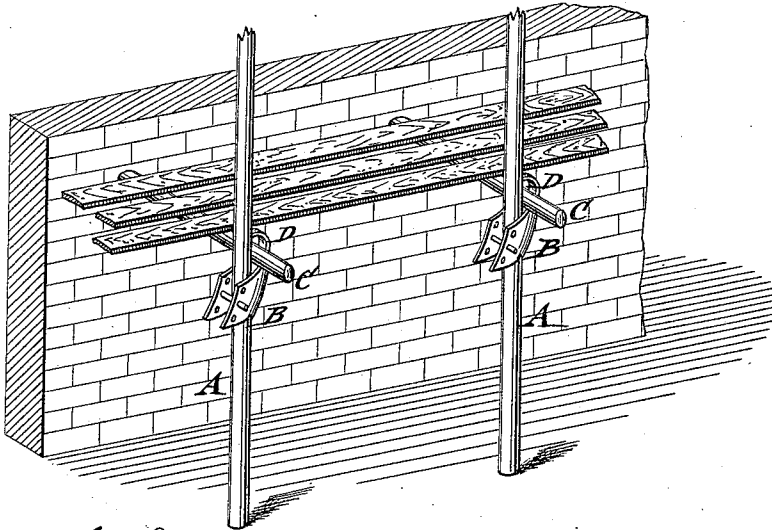


Fig. 2.

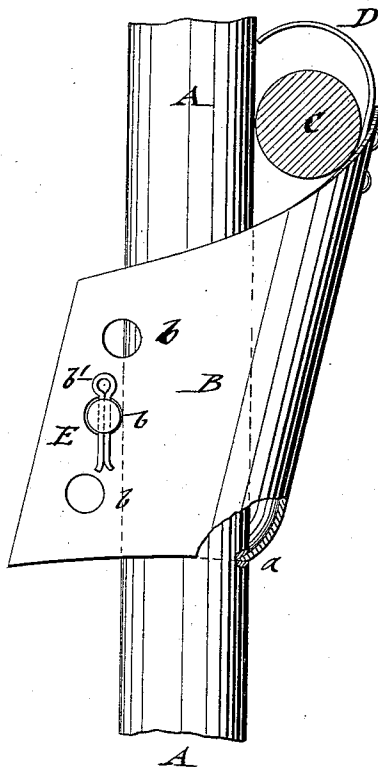
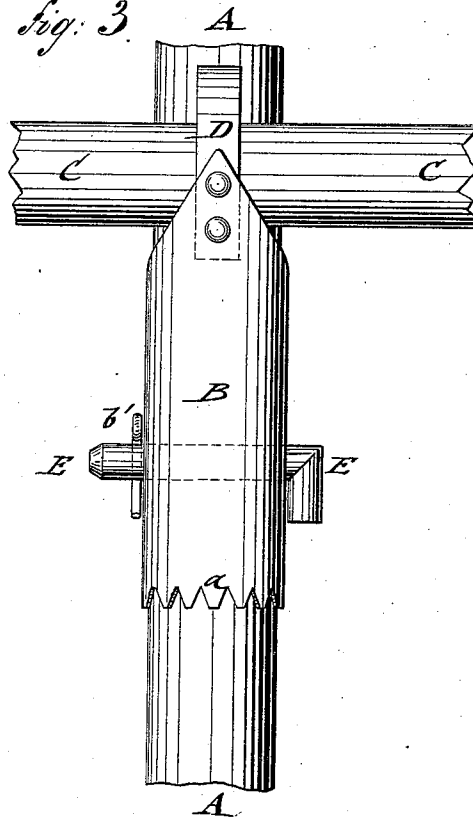


Fig. 3.



WITNESSES:

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HENRY STEINEBREI, OF BROOKLYN, NEW YORK.

SCAFFOLD-CLAMP.

SPECIFICATION forming part of Letters Patent No. 308,005, dated November 11, 1884.

Application filed June 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY STEINEBREI, of Brooklyn, county of Kings, and State of New York, have invented certain new and useful
5 Improvements in Scaffold-Clamps, of which the following is a specification.

This invention has reference to an improved scaffold-clamp to be used by masons and builders in the erection and repair of build-
10 ings, the clamp being so constructed that it forms a perfectly safe and reliable support for the putlogs, and that it can be readily set in position and adjusted as the work progresses and removed when taking down the
15 scaffold; and the invention consists of a scaffold-clamp which is made of a U-shaped body or shoe provided with serrations at the lower edge and with a guard-hook for the putlogs
20 at the upper end. The shoe is provided at its sides with holes for the transverse locking-bolt, said holes being arranged in a line parallel to the middle portion of the shoe.

In the accompanying drawings, Figure 1 represents a perspective view of a scaffold
25 with my improved clamp, and Figs. 2 and 3 are respectively a side view partly in section and an end view of my improved scaffold-clamp.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A A represent the upright posts of a scaffold, which posts are of round or square cross-section. B B are the scaffold-clamps, which are made of a U-
35 shaped body having angular or rounded-off corners at its middle portion. The lower edge of the scaffold-clamp B is provided with pointed teeth or serrations *a*, that bite into the upright post A. The putlogs C, upon
40 which rest the planks of the scaffold, are supported on the upper part of the clamp B and retained by a guard-hook, D, that is riveted to the upper end of the clamp B. The pressure of the putlogs C and scaffold-planks on
45 the clamp B produces the rigid locking of the clamp B with the post A in connection with a headed bolt, E, that is passed transversely to the clamp B through holes *b b* of the same and retained thereon by a spring-
50 key, *b'*, as shown in Fig. 2. The holes *a a* are

arranged in a line parallel to the middle portion of the clamp B, which has the advantage that when the putlogs are placed across the clamp the latter assumes an inclined position on the post A, so that when the trans-
55 verse bolt E is placed through the lower holes *b* the clamp is adapted to support the putlog and fit around the thicker lower part of the post A, while when the bolt is placed through the middle or upper holes *b b*, the clamp sup-
60 ports the putlog and fits better around the thinner middle or upper portion of the post. The greater the pressure of the scaffold on the clamp the more intimate will be the connection between the clamps and upright posts,
65 so that any change of position or sliding of the clamps on the posts is avoided. The clamps can be adjusted to any point on the post and form a reliable connection between the same and the putlogs. The lashing of
70 the blocks to the upright posts by means of ropes, which are liable to break or slip, is thereby avoided, and a ready means supplied for quickly putting up a scaffold for building
75 purposes.

I am aware that adjustable scaffold-clamps composed of a claw having a downwardly-projecting dog, an upwardly-extending guard, and prolonged arms that are perforated at the
80 outer ends and retained on the upright posts by a transverse removable bolt passed through the holes at the outer ends, have been used heretofore, and I do not lay claim to these features, broadly.

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

1. A scaffold-clamp consisting of a U-shaped body having a serrated lower edge and a guard-hook at the upper end, and of a trans-
90 verse key-bolt passed through holes in the sides of the clamp, substantially as set forth.

2. A scaffold-clamp consisting of a U-shaped body having a serrated lower edge, a guard-hook at the upper part, a headed trans-
95 verse bolt passed through holes in the sides of the clamp, said holes being arranged in a line parallel to the middle portion of the clamp, and a spring-key for retaining the bolt
100 on the clamp, substantially as set forth.

3. The combination, with the upright posts
A and putlogs C, of U-shaped scaffold-clamps
B, having a serrated edge at their lower ends
and guard-hooks at the upper parts, and trans-
5 verse key-bolts passed through holes of the
clamp, substantially as set forth.
In testimony that I claim the foregoing as

my invention I have signed my name in pres-
ence of two subscribing witnesses.

HENRY STEINEBREI.

Witnesses:

PAUL GOEPEL,
SIDNEY MANN.