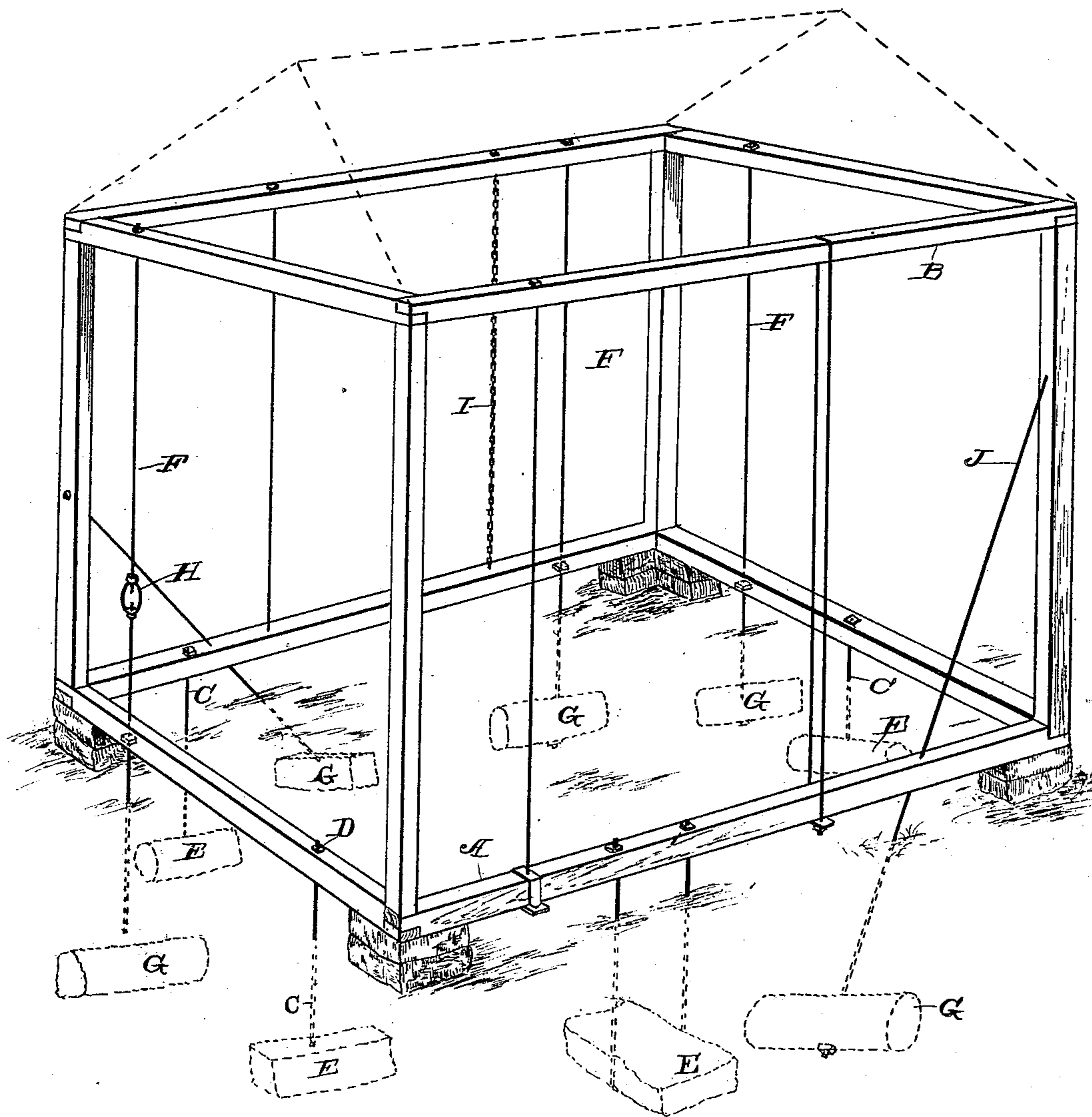


(No Model.)

C. H. SIMMONS.
HOUSE CLAMP AND ANCHOR.

No. 351,407.

Patented Oct. 26, 1886.



WITNESSES:

Robert Kirk.
Dugald McKillop

INVENTOR:

Calvin H. Simmons

By

L. D. Zerbe
Attorney.

UNITED STATES PATENT OFFICE.

CALVIN H. SIMMONS, OF MUNFORD, ALABAMA.

HOUSE CLAMP AND ANCHOR.

SPECIFICATION forming part of Letters Patent No. 351,407, dated October 26, 1886.

Application filed February 27, 1886. Serial No. 193,431. (No model.)

To all whom it may concern:

Be it known that I, CALVIN HENRY SIMMONS, of Munford, in the county of Talladega and State of Alabama, have invented a new and
5 useful Improvement in House Clamps and Anchors, which improvement is fully set forth in the following specification and accompanying drawing, in which the figure is a perspective view of the frame of an ordinary house.

10 This invention relates to an improvement in clamps and anchors to attach to frame houses for the purpose of holding the frame together and confining it securely in position, to prevent its rocking or moving out of place by the
15 action of storms, floods, &c., all of which will now be fully set forth in detail.

In the accompanying drawing, A represents the sill, and B the plate, forming part of the frame of an ordinary house. Disposed at intervals to the sill A, I provide a series of short
20 bolts or rods, C, passing through the said sill, and secured at their upper ends by means of nuts D, while their lower ends connect with blocks or anchors E, buried within the ground.
25 This form of anchor is designed to be used where the upper part of the frame is secured rigidly together by means of mortises and tenons. In the event, however, that the frame is simply an ordinary balloon-frame, or put together without having frame attached other
30 than balloon-frame, I find it necessary to extend these rods, so as to connect with the plate B. These forms are shown by means of the rods F. These rods connect with anchors G
35 at their lower ends, corresponding with the

anchors E, already described, sunk in the ground, and passing through the sills A and plates B, where they are secured by means of nuts.

I sometimes find it convenient to provide a
40 swivel, H, midway in the length of the rod, which is severed for this purpose, and operated on threads, so that any desired tension may be applied.

Instead of rods F, I sometimes find it con-
45 venient to use chains I, which occasionally answer the same purpose as said rods.

Where it is desired to clamp the frame together, and at the same time brace it against
50 a wind from any quarter, in lieu of the vertical rods or chains I provide a rod, J, in the form of a brace, secured to the corner-post, and which, passing through the sill A, connects with the anchor E, the same as an ordinary vertical
55 rod, and thus answers a double purpose.

Having described my invention, what I
claim is—

In anchors for buildings, the combination of
60 brace-rods extending from upper plates to sills, and connected to both, with rods extending from the sill to anchors, substantially as described.

In testimony that I claim the foregoing I
have hereunto set my hand, this 30th day of
January, 1886, in the presence of two wit-
65 nesses.

CALVIN H. SIMMONS.

Witnesses:

EDWIN M. MILLER,
THOMAS JACKSON.