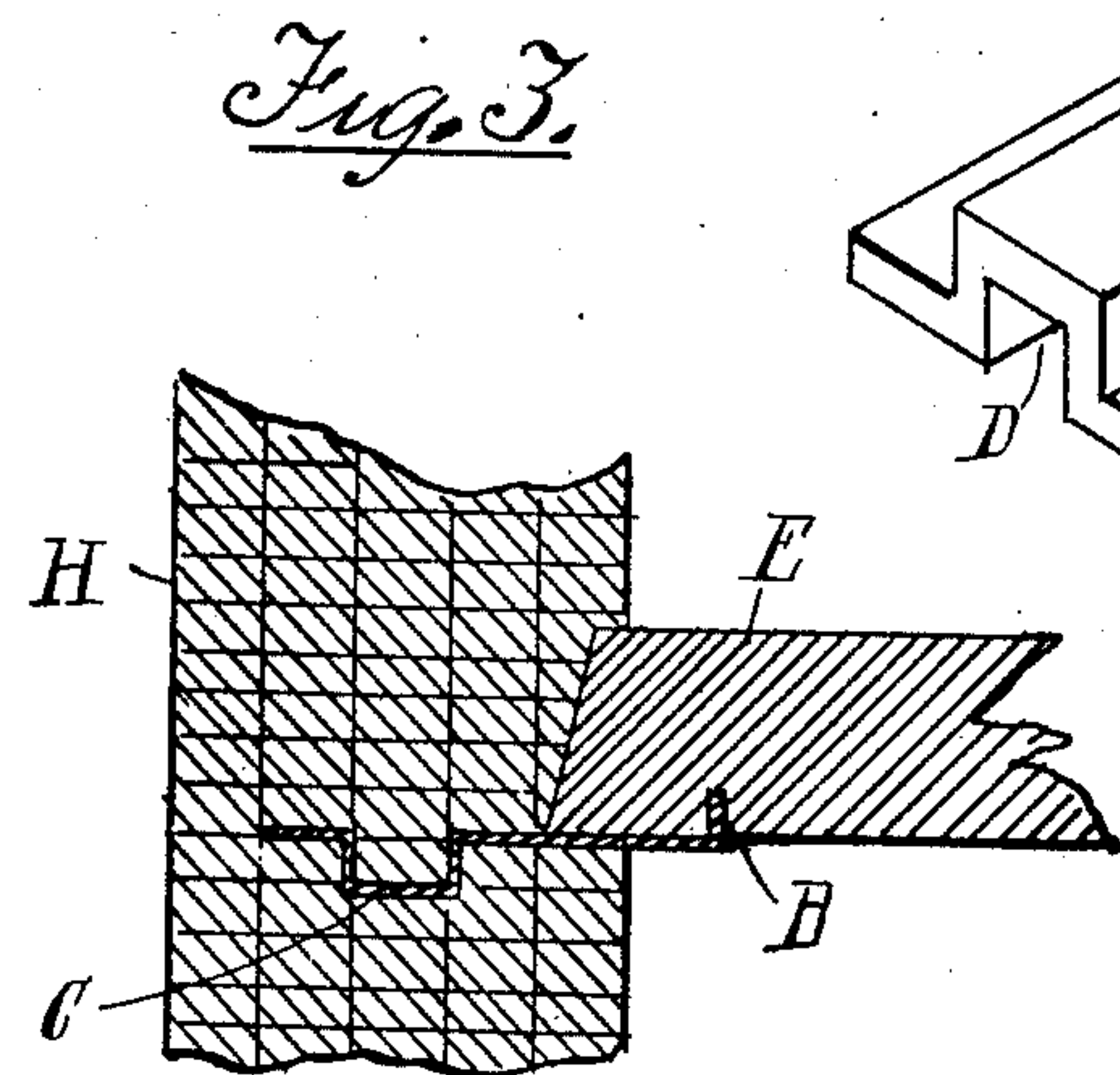
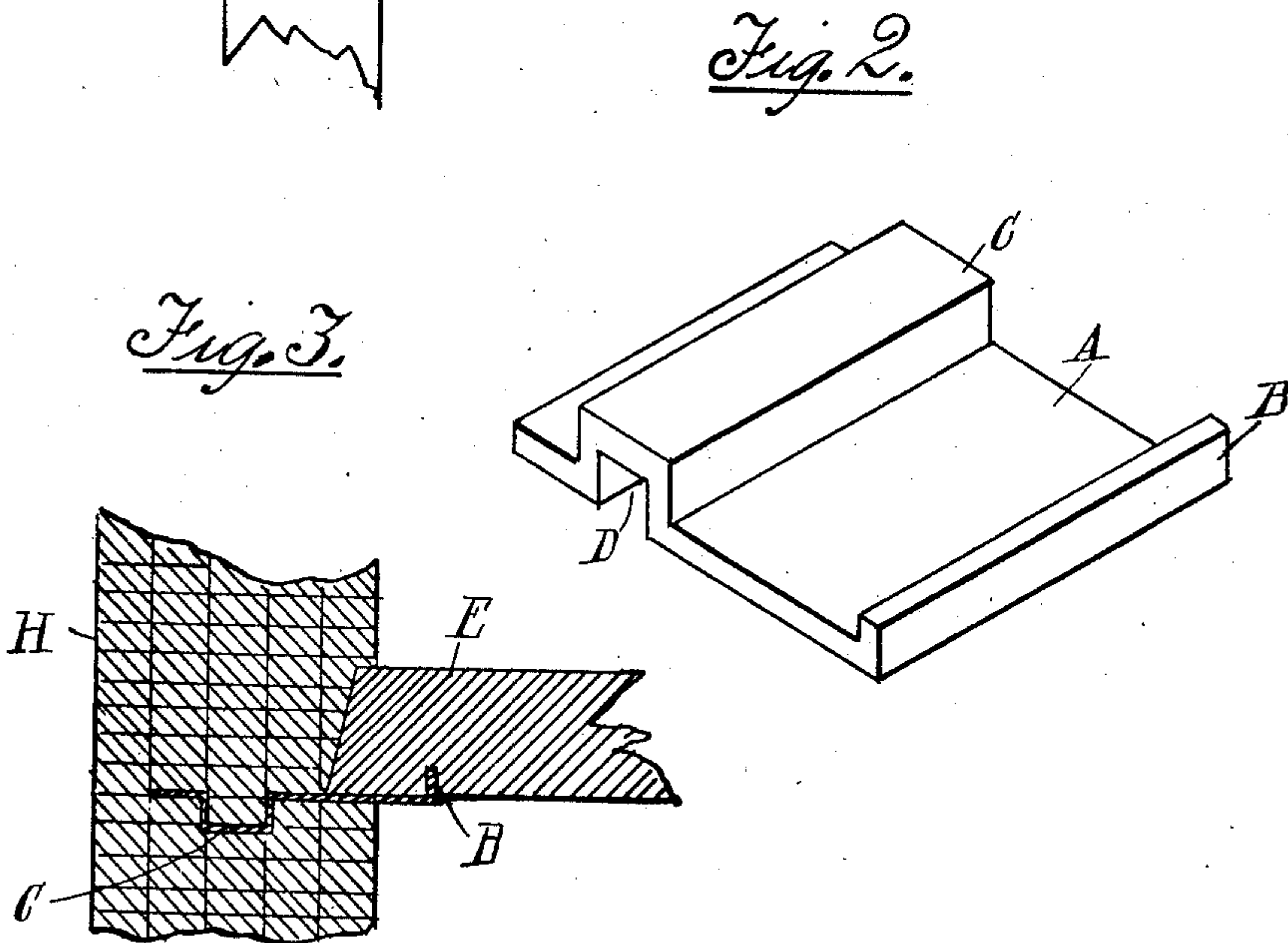
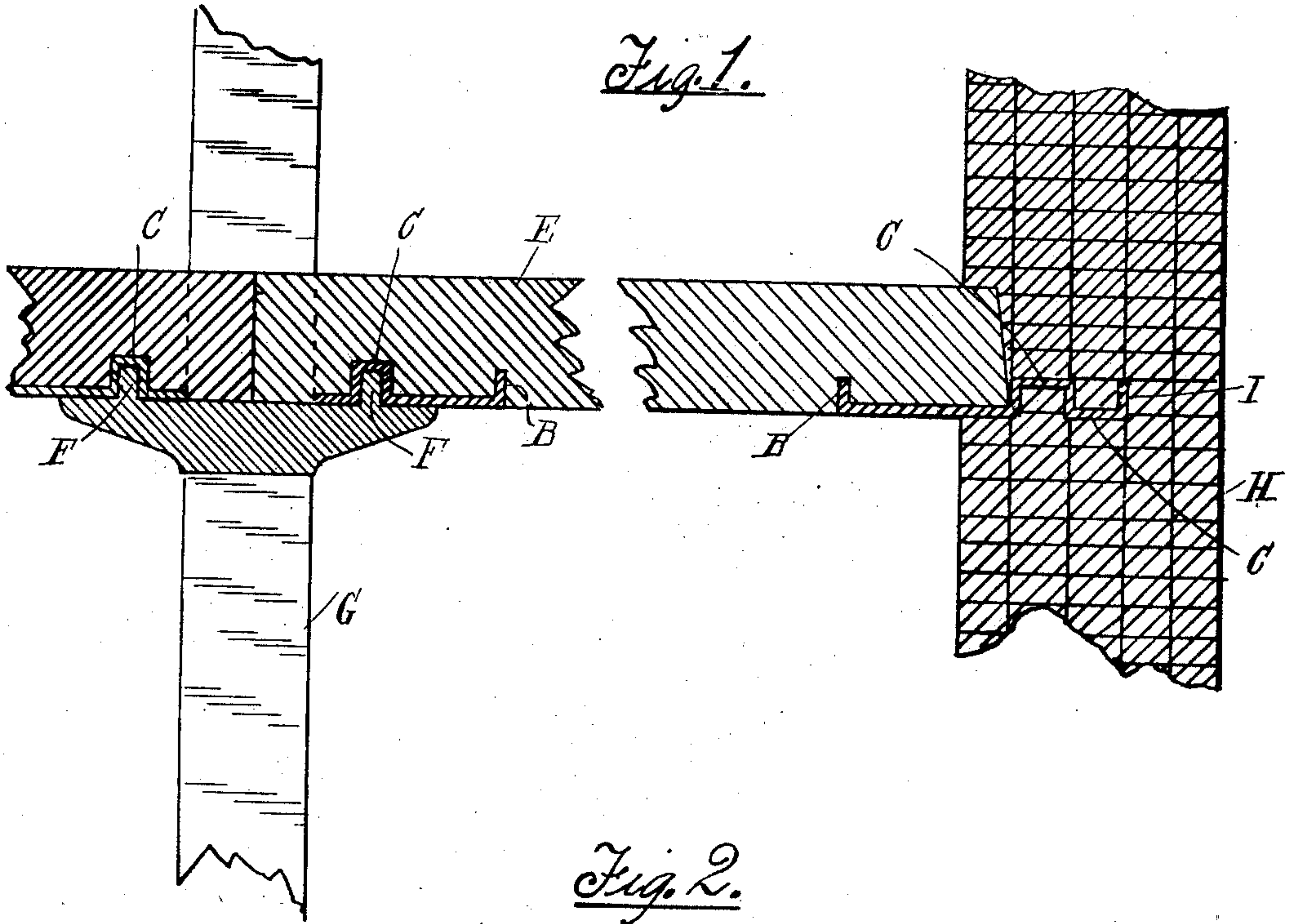


No. 826,909.

PATENTED JULY 24, 1906.

C. THOMPSON.
ANCHOR PLATE.

APPLICATION FILED APR. 27, 1905.



Witnesses

R. A. Fisher

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UNITED STATES PATENT OFFICE.

CORNELIEUS THOMPSON, OF CHICAGO, ILLINOIS.

ANCHOR-PLATE.

No. 826,909.

Specification of Letters Patent.

Patented July 24, 1906.

Application filed April 27, 1905. Serial No. 257,788.

To all whom it may concern:

Be it known that I, CORNELIEUS THOMPSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Anchor-Plates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a novel construction in an anchor-plate, the object being to provide a device of this character by means of which girders of buildings may be securely anchored at their ends to the walls and corbels of columns to prevent them from becoming loosened; and it consists in the features of construction and combinations of parts hereinafter fully described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a vertical sectional view of a fragment of a building, showing various applications of my anchor-plate therein. Fig. 2 is a perspective view of an anchor-plate constructed in accordance with my invention. Fig. 3 is a fragmentary detail vertical section showing another form or method of application of my said anchor-plate.

The corbels capping columns in buildings are generally provided at their ends with projecting ribs, which are adapted to enter and engage corresponding recesses in the end portions of the girders supported thereon. The said girders are subjected to very heavy strains, and frequently such strains cause the end portion between the recess and the end of the girder to break away, and thus leave the girder loose and subject to displacement. My said invention is designed to overcome this difficulty and, furthermore, to provide suitable means for anchoring the girder in the wall in an efficient manner as well as to the corbel of the column.

My said device comprises a metal plate A, provided at one end with a short upwardly-extending flange B, and which between its ends and nearer the other end thereof is bent upwardly over and downwardly to provide a U-shaped portion C therein which is inverted and forms a recess D in the lower face of said plate, the free end of the latter being plane and disposed in alinement with the body portion A of said plate. The said plate is mounted in the girder E by gaining the lat-

ter to receive the plate and the flange B and U-shaped portion C thereof, the said U-shaped portion C being disposed nearer the end of the girder than said flange B, so that the recess D is disposed in position to receive the rib or projection F on the corbel of the column G. Said plate may be more firmly secured in place by the use of spikes or screws, if desired; but the latter are not essential.

When used to anchor the girder in the wall or masonry H, the said U-shaped portion is disposed so as to engage an inner course of brick and the flange B is gained into the girder at a distance from the end of the latter equal substantially to the length of the body portion A of the plate, though this may be varied by setting the other end of the plate farther into the mason-work or wall H. When so employed, the said free end portion of said plate is preferably provided with a flange I to engage another course of the mason-work.

The construction of the plate when used for anchoring the girder to the wall may be further modified by reversing the position of the U-shaped portion C, as indicated in Fig. 3.

My said device affords ready means for securely anchoring girders at both ends in an obvious manner and by engaging the latter farther inwardly from the ends thereof and to greater depth than the present anchoring means engage the same insures great strength and capability of withstanding enormous strains. It is furthermore very simple, cheap to manufacture, and relatively light.

I claim as my invention—

In a building the combination with a column-cap provided with a projecting seat for girders, a projection on said seat, and a girder adapted to rest on said seat and having recesses in its lower face, of an anchor-plate provided between its ends with an inverted-U-shaped projection adapted to receive said projection on said seat and provided at its free end with a flange, said U-shaped projection and flange being adapted to fit said recesses in said girder.

In testimony whereof I have signed my name in presence of two subscribing witnesses.

CORNELIEUS THOMPSON.

Witnesses:

RUDOLPH WM. LOTZ,
E. F. WILSON.