(No Model.)

J. PIRKL.

ANCHOR OR SUPPORTING PLATE.

No. 526,411. Patented Sept. 25, 1894.

Fig. 1.

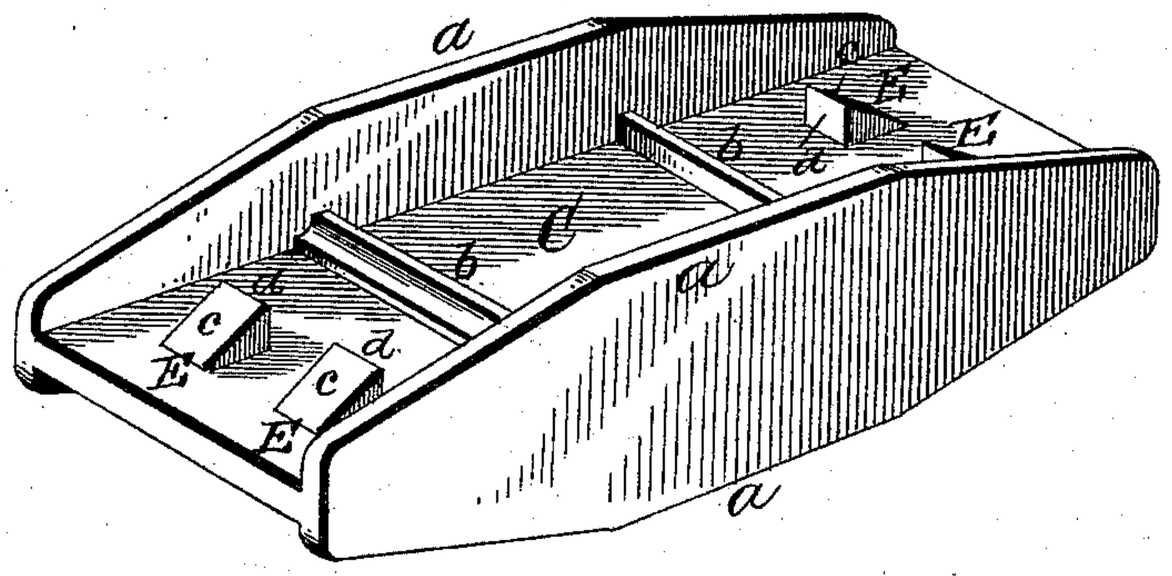


Fig. 2.

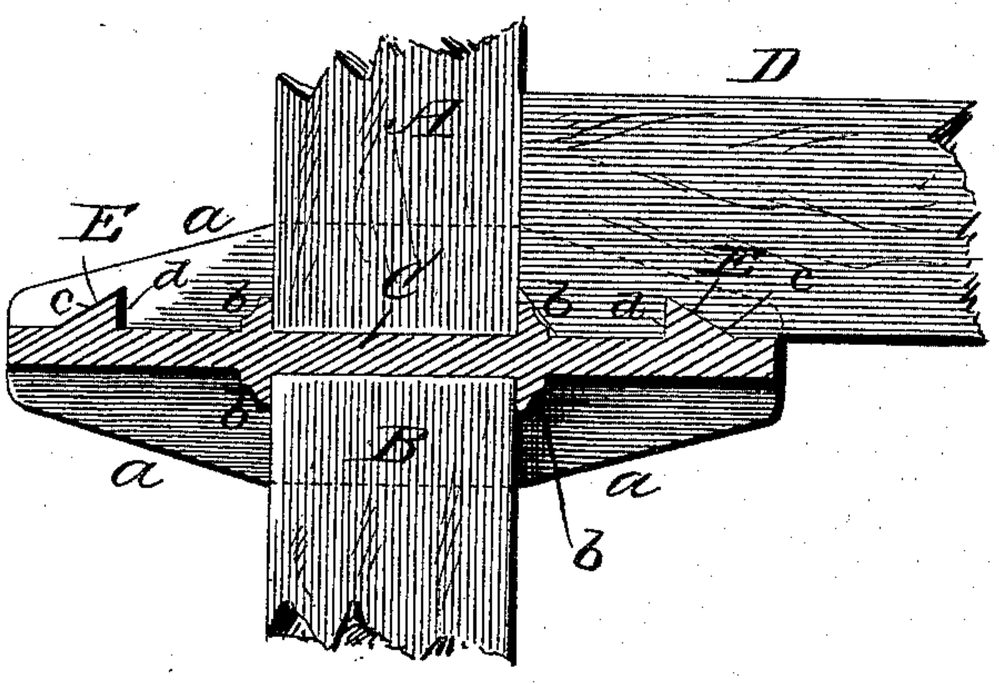
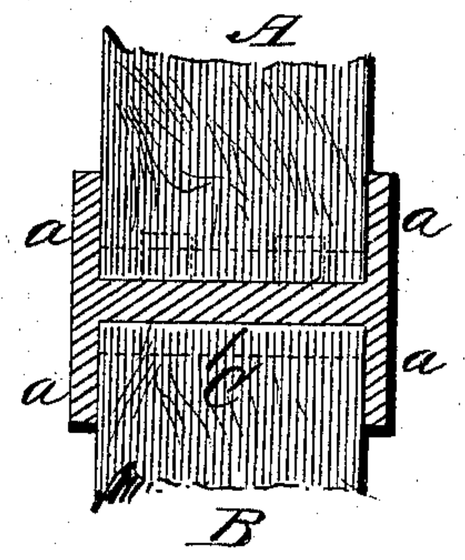


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN PIRKL, OF BROOKLYN, NEW YORK.

ANCHOR OR SUPPORTING PLATE.

SPECIFICATION forming part of Letters Patent No. 526,411, dated September 25, 1894.

Application filed July 5, 1894. Serial No. 516,611. (No model.)

To all whom it may concern:

Be it known that I, JOHN PIRKL, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Anchor or Supporting Plates; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has for its object to provide a simple and effective anchor or supporting plate for the ends of beams or girders whereby the same will possess the required strength and durability and be retained in position after the beam, girder or other timber has released itself from the plate in case of fire and without disturbing the balance of the structure.

The invention consists in an anchor or supporting plate constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings represents a perspective view of my improved anchor or supporting plate; Fig. 2, a longitudinal section of the plate showing the two post sections connected thereto and also the end of a beam or girder; Fig. 3, a transverse section through the plate with the post sections in position.

In the accompanying drawings A B represent the two sections of a post used in the construction of buildings and C the anchor or supporting plate held between the ends of said post-sections to form supports for the ends of horizontal beams or girders D.

The plate C may be of any suitable size or shape to conform to the size and shape of the post-sections and beams or girders with which the plates are to be used.

The plate C has flanges *a* which project from the upper and lower sides of the plate and extend the entire length thereof so as to hold in place the ends of the post-sections A B and also the ends of the beams or girders D. It is not essential that the flanges *a* should extend upon the under side of the plate the entire length thereof but only a sufficient distance to hold the end of the lower post-section in position by the aid of the transverse ribs *b* upon the upper and under side of the plate. The flanges *a* and the transverse ribs *b* not only hold the ends of the post-sections against displacement but materially strengthen the plate and form a perfect support for the ends of the beam or girder.

Upon the upper side of the plate C at each end thereof are lugs E of wedge-shape or in other words having an inclined upper surface *c* and a vertical end *d*. This peculiar shape of the lugs enables the mortise to be made in the beam or girder with two cuts of the chisel in which the lug is to engage besides enabling the beam or girder to easily release itself when burned through in case of fire and without injury to the anchor or supporting plate or forcing it out of position.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

An anchor or supporting plate having retaining flanges upon its upper and lower sides and also transverse ribs and wedge-shape lugs upon the upper side and ends of the plate, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN PIRKL.

Witnesses:
LEONHARD SCHNEPF,
CHARLES WERNER.