D. HAMMOND.

WROUGHT-IRON POST.

No. 184,521. Patented Nov. 21, 1876.

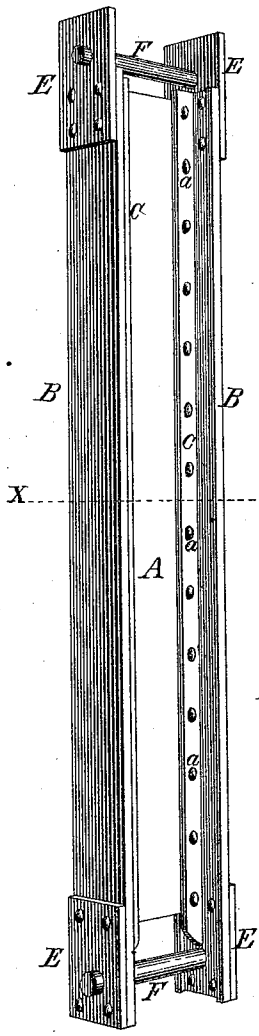


Fig. 1.

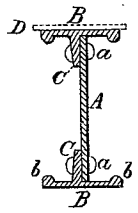


Fig. 2.

Witnesses
Ruth K. Abbott
Andrew Choffin

David Hammond, Inventor
by Job Abbott Attorney.

# UNITED STATES PATENT OFFICE.

DAVID HAMMOND, OF CANTON, OHIO, ASSIGNOR TO WROUGHT IRON BRIDGE COMPANY, OF SAME PLACE.

## IMPROVEMENT IN WROUGHT-IRON POSTS.

Specification forming part of Letters Patent No. **184,521**, dated November 21, 1876; application filed August 19, 1876.

*To all whom it may concern:*

Be it known that I, DAVID HAMMOND, of Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Wrought-Iron Posts; and that the following is a full, clear, and exact specification thereof, which will enable others skilled in the art to make and use the said invention.

My invention consists in the construction of a wrought-iron post composed of a central plate or lattice-web and two T-bars, provided with ribs on the inner edges of the heads, as is hereinafter more fully shown.

In the accompanying drawing, Figure 1 is a view of post embodying my improvement, and Fig. 2 is a section of same on line *x x*.

A is the web of the post, and B B are the T-bars, the legs C of which are secured by rivets *a* to web A. The T-heads B are made with flat backs, being made flat to allow of additional plates D being riveted on, to increase the cross-section of post, as indicated in dotted lines in Fig. 2.

The legs C can be made on one side of the center of the head B, if desired, so as to bring the web A into the axis of the post.

When used in bridges the chord-connections for the post ends are easily made by riveting on plates E and drilling them to receive the pins F.

The advantages resulting from this form of construction consist in a reduced cost, the plate and T-bars being cheaper iron than the rolled I-beam, and the labor being less than that of uniting a web with four angles; also, in the increased width of head and concentration of metal at the edges of the head, which increases the stiffness and strength of the same amount of cross-section over the I-beam post form.

What I claim as new, and desire to secure by Letters Patent, is—

1. The T-bars B C, having a flat head, with ribs *b b* on the inner edges thereof, substantially as and for the purposes specified.

2. The within-described post, consisting of the web A and T-heads B B, having ribs *b b* on the inner edges of their heads, substantially as and for the purpose specified.

As evidence of the foregoing, witness my hand this 7th day of August, A. D. 1876.

DAVID HAMMOND.

Witnesses:

WM. BRITTON,

JOB ABBOTT.