

J. D. KELLY.
NEWEL-POST.

No. 172,126.

Patented Jan. 11, 1876.

Fig. 1.

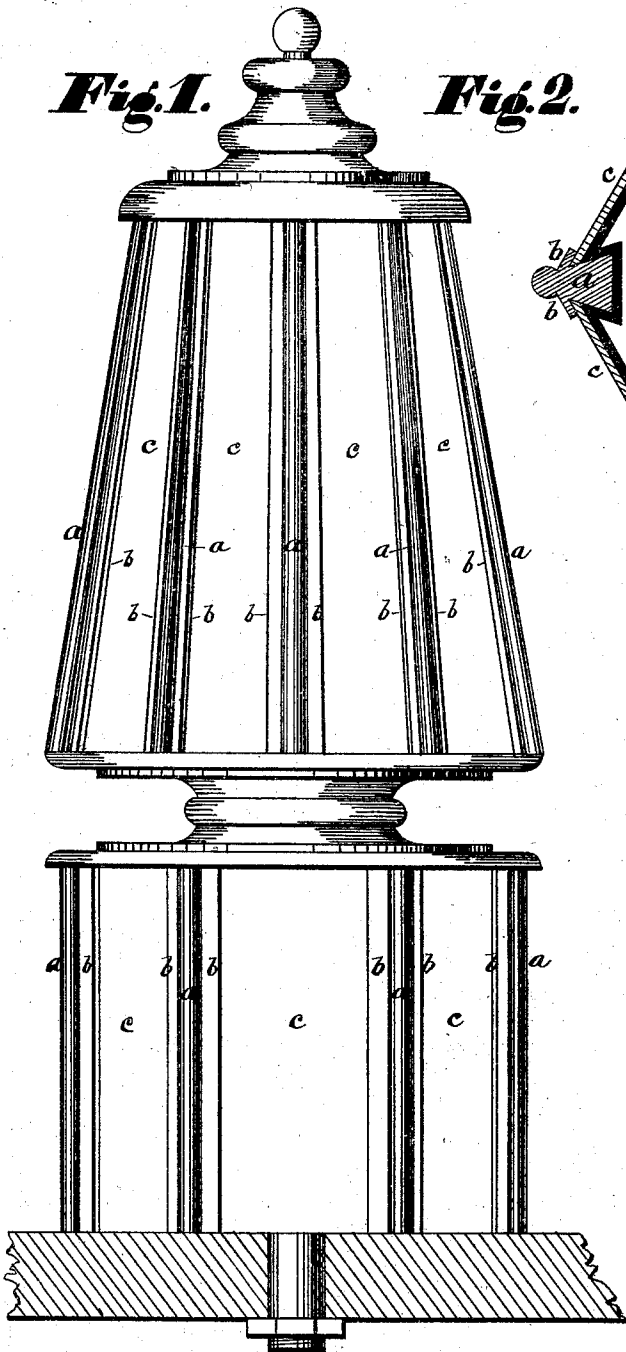


Fig. 2.

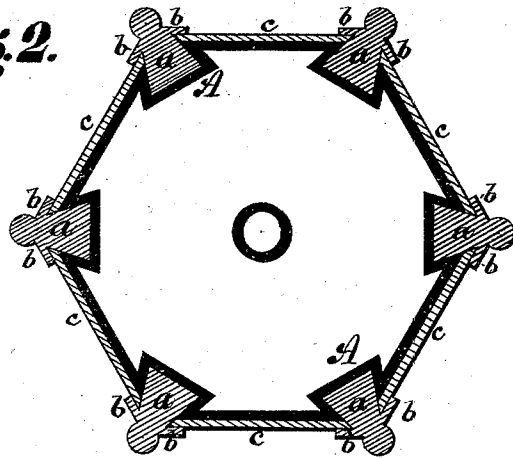
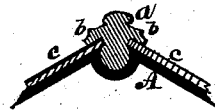
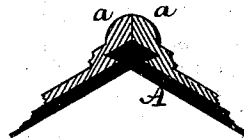


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES D. KELLY, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN NEWEL-POSTS.

Specification forming part of Letters Patent No. **172,126**, dated January 11, 1876; application filed December 4, 1875.

To all whom it may concern:

Be it known that I, JAMES D. KELLY, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in the Method of Constructing Posts and Columns; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is an elevation of a newel-post built on my method. Fig. 2 is a horizontal section of same. Figs. 3 are modifications.

This invention relates to the construction of posts, pillars, columns, &c., of metal body or frame, and wood or other exterior; and consists in the hereinafter-described method of joining the two materials, so that the exterior may present an appearance of solidity, and in the article so constructed.

The invention may be adapted to many different designs; but as all embody the same principle, I shall limit my description to that shown in the drawings—viz., a newel-post—referring to which my invention is as follows:

I construct a hollow metallic polygonal prism, A, (cast-iron being the cheapest,) of as many sides as may be desired, with dovetail or other grooves longitudinally at the several corners. This constitutes the resisting-medium in the post. Into these grooves I fit correspondingly-tongued strips *a*, which are provided, also, on each side with the beads or flanges *b*, in such a way that when fitted the beads *b* lie parallel with the faces of the post, but away from them, forming a space between. Into this space I slide the panels *c*, which are then, by the beads *b*, prevented from lateral motion. The strips and panels slide into their positions, and when the cap and pedestal are in position and secured to-

gether by a rod or gas-pipe with draw-nut, are held securely.

Figure 1 in the drawing is a newel-post such as are used at the foot of balusters. It shows two styles in one, a prism and a pyramid-frustum. I generally prefer to pass the bolt or gas-pipe down through the flooring and then draw it. This holds the whole firmly in position, besides giving a passage for gas to a standing gas-alier on the post. If a post be desired to be entirely open, the supports representing miniature columns, I pass the wooden sheathing around the iron, the latter sliding into the wood instead of the contrary; or it may be desired to leave an open space instead of a panel. Then I construct the metal portion likewise without panels, the strips *a* overlapping the metal, so that it will not be seen.

The mere form of the grooves, strips, &c., are arbitrary, and ordinary skill and taste will readily suggest many different styles. A few modifications are given in the drawings.

I have described my improvement as being specially applicable to posts of metal and wood, but I do not wish to be understood as limiting myself to any particular material, the invention having relation to the construction of parts.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is as follows:

The combination, with the correspondingly-tongued and grooved strips *a* and core or interior shell A, fitting one into the other, of the panels *c* or open frames, held in place by the strip flanges *b b*, substantially as described and shown.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of November, 1875.

JAMES D. KELLY.

Witnesses:

FRANK KELLY,
T. J. MCTIGHE.