

W. F. Quinby Arched Brick.

106203

PATENTED AUG 9 1870

Fig. 1.

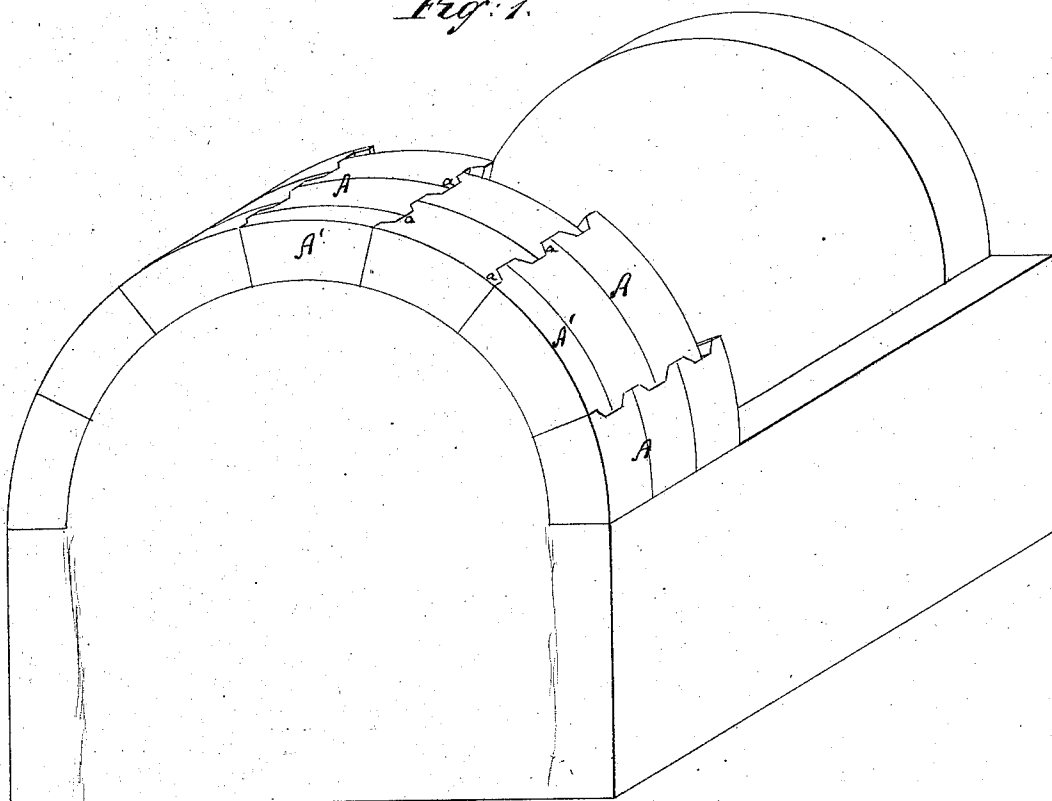
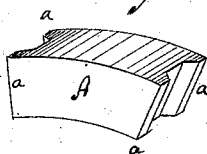


Fig. 2.



Witnesses:

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PER

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WATSON F. QUINBY, OF WILMINGTON, DELAWARE.

Letters Patent No. 106,203, dated August 9, 1870.

IMPROVEMENT IN ARCHING-BRICKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WATSON F. QUINBY, of Wilmington, in the county of New Castle and State of Delaware, have invented a new and useful Improvement in Arching-Brick; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which--

Figure 1 represents a perspective view of an arch, composed of my improved arching-brick.

Figure 2 is a perspective view of one of the bricks. Similar letters of reference indicate corresponding parts.

This invention has for its object to construct brick which can be used for arched roofs, ceilings, door or window-linings, without requiring forms or other supports.

The invention consists in the construction of segmental or wedge-shaped brick, which have grooved ends, so that they can rest against and lock into one another, to form a strictly self-supporting arch.

A in the drawing represents my segmental or arching-brick. The same has a convex outer or upper, and concave inner or lower surface, as shown in fig. 2, its sides being straight and parallel, while its

ends are radii of the arcs on which the curved surfaces are formed. The upper and lower surfaces may, if desired, be straight.

Each end of each brick has an upright groove, which is about as wide as both the remaining ribs *a a*, left at the sides. The brick may otherwise be hollow or solid, at will.

Brick of this construction are put together, as in fig. 1, by fitting the two contiguous ribs, *a a*, of an adjoining pair, into the grooved end of a third brick. Thereby the lateral play is entirely prevented, and the arch produced will be entirely self-sustaining.

At the end of each arch may be some half bricks, *A*, as shown.

It will be seen that with this construction each brick is in contact with and surrounded by six others. Having thus described my invention,

I claim as new and desire to secure by Letters Patent--

The brick *A*, herein shown, when provided at each end with the two radial ribs *a a*, and the radial groove *b*, said groove being equal in width to the sum of the widths of the ribs, as and for the purpose specified.

WATSON F. QUINBY.

Witnesses:

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