

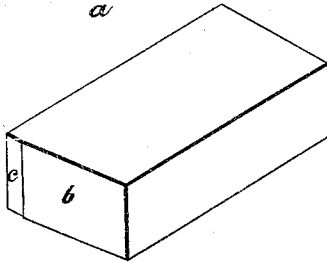
*G. S. Hewitt,*

*Manf. Brick.*

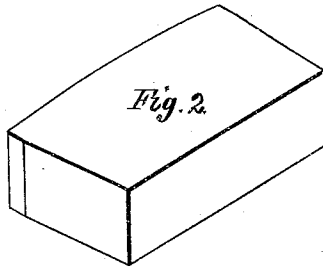
*No. 100,892.*

*Patented Mar. 15, 1870.*

*Fig. 1.*  
*a*



*Fig. 2.*



Witnesses.

*W. Daily*  
*Frank*

George S. Hewitt.

*by his Attorney*  
*Frederick Curtis.*

# United States Patent Office.

GEORGE S. HEWITT, OF BOSTON, MASSACHUSETTS.

Letter's Patent No. 100,892, dated March 15, 1870.

## IMPROVEMENT IN MANUFACTURE OF BRICKS.

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

To all to whom these presents shall come:

Be it known that I, GEORGE S. HEWITT, of Boston, in the county of Suffolk, and Commonwealth of Massachusetts, have made an invention of a new and useful Manufacture of Bricks for building purposes; and do hereby declare the following to be a full, clear, and exact description thereof, due reference being had to the accompanying drawing making part of this specification, and which is a perspective representation of a brick produced in accordance with the requisite of my invention.

The time consumed, material wasted, and, to some extent, imperfect joints resulting from the present construction of "swell-front buildings," so called, has led my mind to see the necessity of originating a brick for such purposes which shall economize to a considerable degree this expenditure of time and waste of material, and by means of which more perfect joints may be secured; and I accomplish this result by the peculiar form of a brick which I have produced in pursuance of the purposes of my invention, and which, as will hereinafter be seen, is of the form of a conic frustum in horizontal section, or a quadrangle with one sloping side and two right angles, with the exception in both cases of a small portion of the outer end surface, which is left of the usual form, or rectangular, for purposes which will be duly explained.

The accompanying drawing represents at *a* a brick of ordinary dimensions in general bulk, and of ordinary shape, with the exception of a small portion of its outer edge, as shown at *c*.

Although the accompanying drawing, Figure 1, shows one end only of the brick as inclined, both ends may be thus produced; but it should be borne in mind that the slope, if upon one end only, should be double the angle of that of one of two single slopes, since the object in reducing the end of the brick, as explained, is to bring two abutting ends of contiguous bricks (when laid together) within the radius of the circle composing the outer face of the wall.

My purpose in leaving the portion *c* of the end of the brick at right angles to its side is not only to en-

able me to make a better joint than would be the case were the slope carried entirely to the edge, as in that event the sharp edge would cut off the mortar and not leave sufficient to insure the proper joint, but to prevent accidental fracture of the brick at this point, which would often occur in baking, handling, and transportation.

The advantages resulting from the above-described form of brick are several and manifest.

First, the amount of time now consumed in chipping off the ends of a brick with the trowel is greatly economized, and the laying of a wall, as a consequence, effected in much less time than in the practice now prevalent.

Second, an economy of raw material is effected, as a less quantity is required to produce a brick, while a saving of marketable bricks is effected, from the fact that at present one brick in ten refuses to break off at the mark of the trowel, but some distance inward from it, thus ruining the said brick.

My form of brick, while particularly adapted to building up walls of a convex outline, may be laid in a wall of an even plane or in corners.

Although in the accompanying drawing I have represented a brick with a straight outer edge, it will undoubtedly be found desirable to form such edge of a segment of a circle whose radius shall be equal or approximatingly so to that of the circle of the front of the structure into which the brick is built, as shown in Figure 2 of the drawings, which is a plan of a brick thus made.

### Claim.

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

As a new manufacture, a brick having one or both of its ends formed with faces *b c*, as shown in the accompanying drawing, and as herein described.

GEO. S. HEWITT.

Witnesses:

FRED. CURTIS,  
E. GRIFFITH.