

(No Model.)

G. W. B. NEAL.
METALLIC SIDEWALK.

No. 351,647.

Patented Oct. 26, 1886.

Fig 1

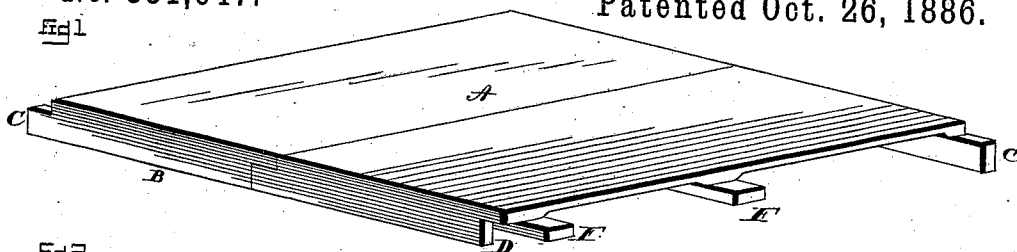


Fig 2

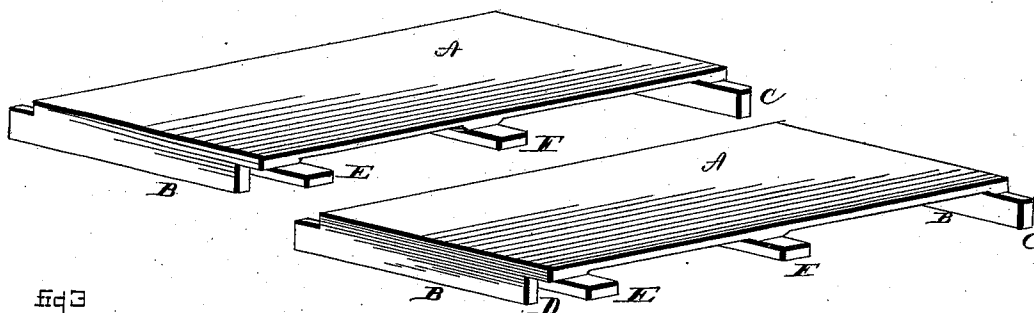


Fig 3

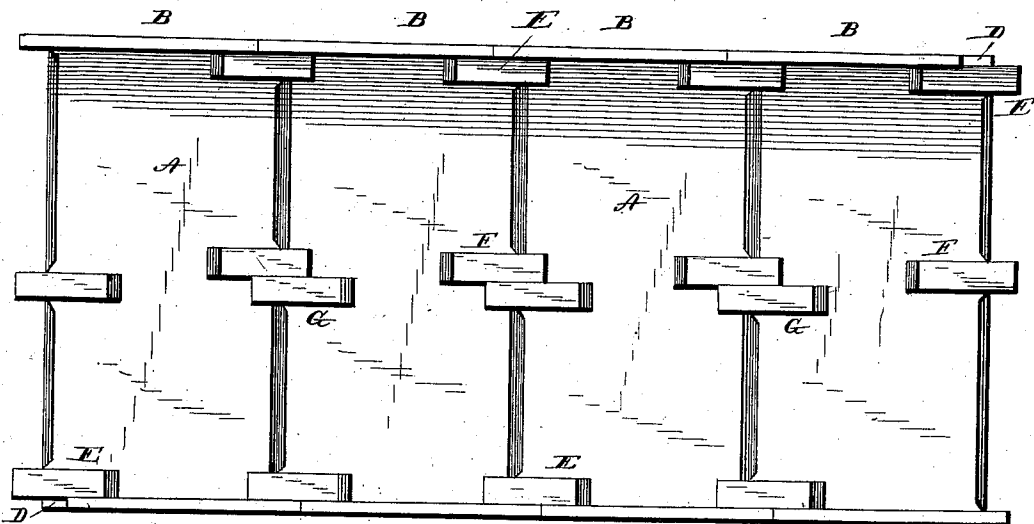
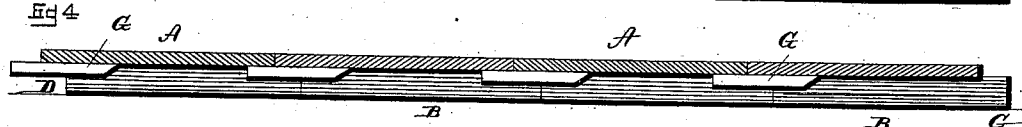


Fig 4



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE W. B. NEAL, OF FARMER VILLAGE, NEW YORK, ASSIGNOR OF
THREE-FOURTHS TO IRA C. HALL, TINE MOREHOUSE, AND HUGH HANEY,
ALL OF SAME PLACE.

METALLIC SIDEWALK.

SPECIFICATION forming part of Letters Patent No. 351,647, dated October 26, 1886.

Application filed July 9, 1886. Serial No. 207,628. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. B. NEAL, a citizen of the United States, and a resident of Farmer Village, in the county of Seneca and State of New York, have invented certain new and useful Improvements in Metallic Sidewalks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of two of the plates composing my improved metallic pavement. Fig. 2 is a similar view showing the plates in position for being joined. Fig. 3 is a bottom view of two joined plates, and Fig. 4 is a vertical sectional view of the same.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to that class of metallic pavements in which a number of metallic plates are secured together by interlocking tongues or lips in the edges of the plates; and it consists in the improved construction and combination of parts of such plates, as hereinafter more fully described and claimed.

In the accompanying drawings, the letters A indicate the plates, which are rectangular in shape and provided at their ends with downwardly-projecting flanges B B, which flanges project at opposite corners to form tongues C, while the ends of the opposite corners are cut away to the same length as the length of the projecting tongues, forming shoulders D, against which the tongues of the adjoining flanges may bear.

Tongues E project from the side edges of the plates inside of the cut-away ends of the flanges, being either secured to the under side of the plate or cast integral with the same, the upper surfaces of these tongues being flush with the under side of the plate, and similar tongues, F and G, project from the side edges of the plate at opposite sides of the middle line of the plate, having each an edge at the middle line.

It will now be seen that when two plates are placed with their side edges adjoining, the tongues of the end flanges will fit into the cut-away spaces in the adjoining edges, and the

tongues inside of the cut-away ends of the flanges will bear under the under sides of the plates and against the inner side or edge of the projecting tongues of the flanges, and the tongues at the middles of the side edges will bear under the under sides of the plates and bear with their facing edges against each other. The plates will thus be locked in position, one plate holding the other plate locked, to prevent them from getting out of the proper plane, and the tongues, bearing with their edges against each other, will prevent any lateral displacement, so that a number of these plates laid down in a row and interlocked by means of their tongues will be so locked as to prevent any lateral or up-and-down displacement.

The tongues and flanges may be cast integral with the plates, or they may be riveted or bolted to the plates; and the surfaces of the plates may be roughened or corrugated, or otherwise shaped so as to offer a firm foothold.

The entire row of plates will be smooth and level, and no displacement is possible while the plates and tongues are entire and unbroken.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. A metallic pavement plate having tongues projecting from the under side of its sides, and having downwardly-extending flanges upon its ends, each of said flanges being cut away at one end underneath said plate, and projecting beyond the edge of the plate at the other end.

2. A sidewalk composed of a series of the above-described pavement plates, each plate having the tongues upon its sides projecting underneath each adjoining plate, and having the tongues or projecting ends of its downwardly-projecting flanges engaging with the cut-away portion of the flanges of the adjoining plate.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

GEORGE W. B. NEAL.

Witnesses:

WM. V. BRUYN,
IRA C. HALL.