

J. PARSONS.
BOTTOM PLATES FOR DRAIN TILES.

No. 29,516.

Patented Aug. 7, 1860.

Fig. A.

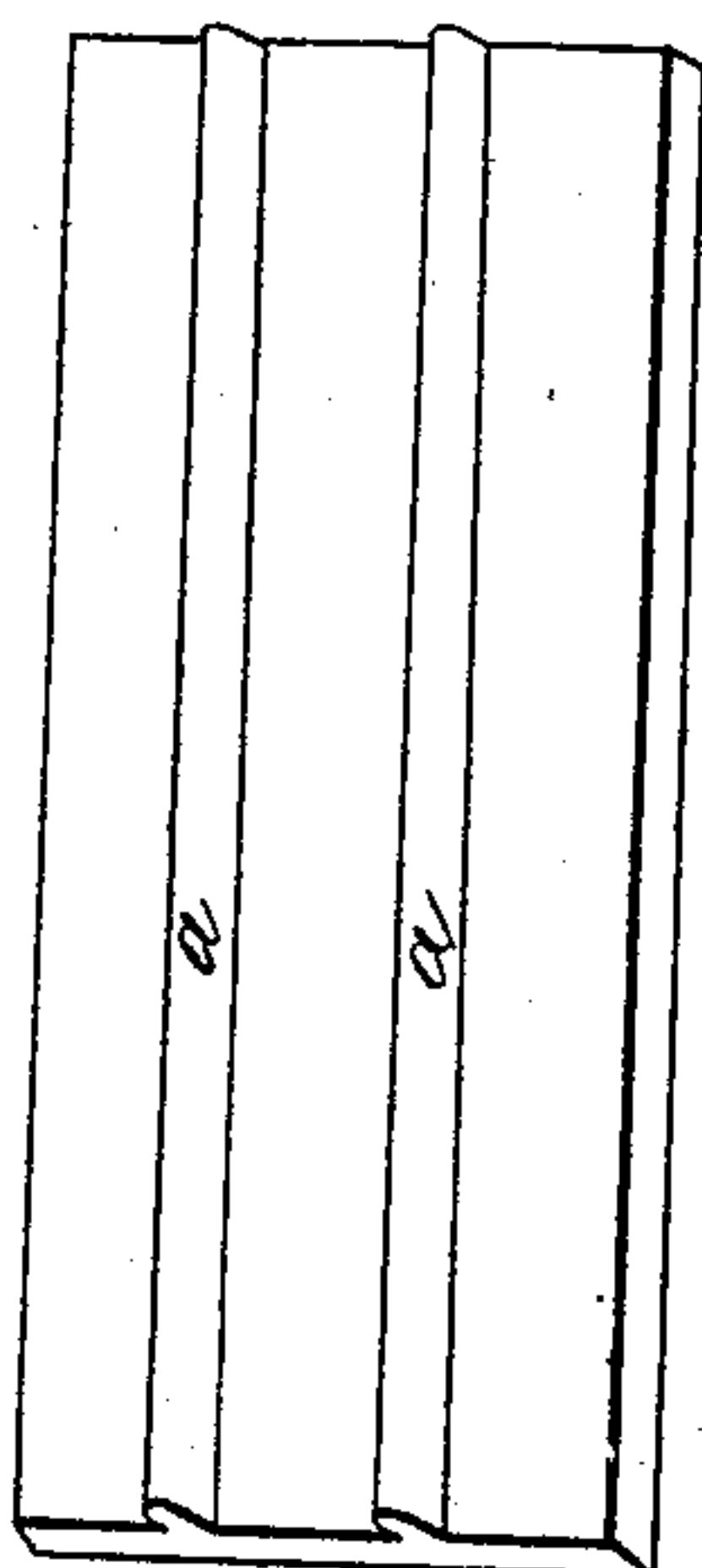
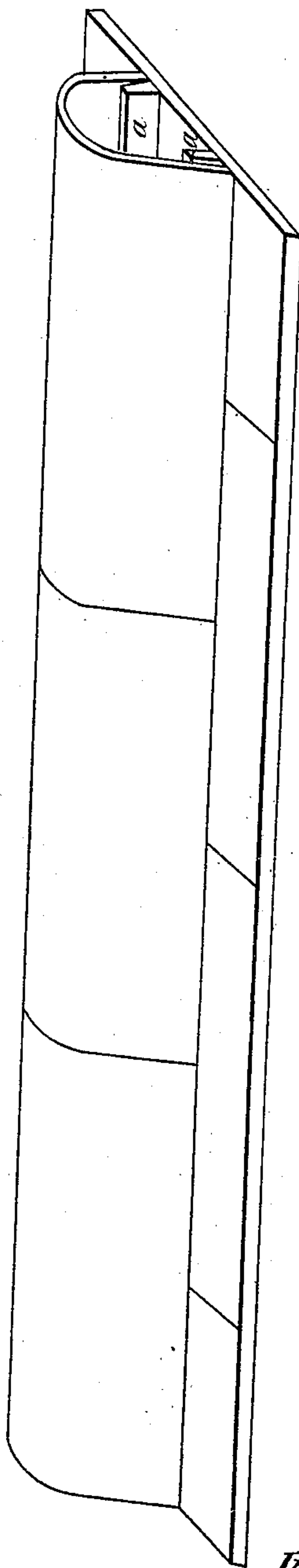


Fig. B.



Witnesses.

William H. Smith

G. M. Coats

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John Parsons

UNITED STATES PATENT OFFICE.

JOHN PARSONS, OF CLEVELAND, OHIO.

BOTTOM-PLATE FOR DRAIN-TILES.

Specification of Letters Patent No. 29,516, dated August 7, 1860.

To all whom it may concern:

Be it known that I, JOHN PARSONS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful improvement in the construction of bottoms for laying drain tiles upon to keep the drain in a line, admit water freely, and to keep out sand, dirt, &c., from which the drains would otherwise choke and be rendered useless; and I do hereby declare the following is a true and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, in which—

Figure A is the bottom referred to, showing two ridges *a, a*. Fig. B shows the drain tiles placed on the bottoms A, the ridges *a, a*, being inside of the drain tiles, keep the drain in a straight line, and prevent the danger of their being moved when filling in the dirt, it is necessary in laying the drain tiles on the bottoms to break joints with the joints on the bottoms.

The advantages of this improvement, that open or horseshoe drain tiles can be used with greater results than the close bottom drain tiles, inasmuch as water can have free inlet the whole length of the drain as well as at the ends without the danger of sand, dirt, or other matter being washed in over the ridges, and as a matter of saving, many tiles can be used that are not quite even at the bottom, and are now thrown away occasioning considerable loss.

I do not claim a bottom without the ridges as my invention, neither do I confine myself to the bottoms and ridges being made of any particular material.

What I claim as my invention as an improvement, is—

The two ridges *a, a*, on the bottom A, substantially as described, and for the purposes set forth.

JOHN PARSONS.

Witnesses:

WILLIAM VINCENT,
C. W. EASTY.