

United States Patent Office.

JEREMIAH MILLER, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 68,379, dated September 3, 1867.

IMPROVEMENT IN CURBING.

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, JEREMIAH MILLER, of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Curbing; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side elevation of my improved curbing.

Figure 2 is a cross-section of the same in the line $z z$, fig. 1; and

Figure 3 is a similar cross-section through the joint of two contiguous sections of the curbing.

The nature of my invention consists in the construction of a cast-iron curbing, consisting of a cap or top piece connected to a flange or base by a web, either with or without a cutter attached, and when without the gutter also suitable as a base for metallic fences, ornamental railings, and other uses.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and mode of operation.

The cap or top a , I make of a scroll pattern, as shown in the drawing, or flat, oval, or corrugated, or of other desirable shape, at pleasure, and of the width required for the top of the curbing. From the top piece or cap a , and cast solid therewith, the web b extends downward of the proper thickness to secure the desired strength, and to such depth as in connection with the flange c to impart to the curbing the requisite steadiness when embedded in the earth. The web b may be connected with the crown a and flange c by either their inner or outer edges, or by the inner edge of the one and the outer edge of the other, or may connect with either or both at any desirable point between the edges thereof. Usually I find it best, however, to connect the web b , as shown in the drawings, to the outer edges of the crown a and flange c , and lay the pavement of the sidewalk under the crown a and against the web b . Drainage from the sidewalk is then provided for by the holes d in the upper part of the web b , or by the notches in the scroll-shaped crown a . Other holes, d' , may be left in the web in casting, whereby metal is saved and the strength not materially impaired. By connecting the web b with the outer edges of the crown a and flange c , I secure a firm outer face to resist the action of wagons, drays, or other vehicles, especially when heavily laden.

I cast the curbing described in sections of any convenient length, and attach them in any convenient way by bolts, rivets, lugs, keys, etc. Usually, however, I shoulder the ends of each section, as shown at e , so that the parts shouldered may slip past and set firmly against each other, and pass a lug or hook, or staple, f , attached to one, through a slot, f' , in the other, and fasten the two properly together by a key, g . On the street side of the curbing described I cast, when desired, a gutter, m , of any desirable breadth and shape. Its ends are also shouldered to secure a good joint.

The curbing described, without the gutter m , will answer equally well for the base to which to attach ornamental metallic fences, railings, etc. The scroll-shaped projections a' are then bored at suitable intervals to receive the posts or supports of the fence, and the posts are fastened in place by nuts or in any other ways commonly in use for such purposes; or, if the crown a have a plane surface, the posts of the fence or railing may pass through it and be secured on the under side. Through the holes d' pins may be passed, projecting any desirable distance on either side, for the purpose of still further steadying the curbing when in place. In lieu of cast iron, any other suitable metal or metallic compound may be employed.

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

A metallic curbing or metallic base for railings, fences, and similar purposes, consisting of a cap or crown-piece, web, flange, and gutter, constructed substantially as and for the purposes described.

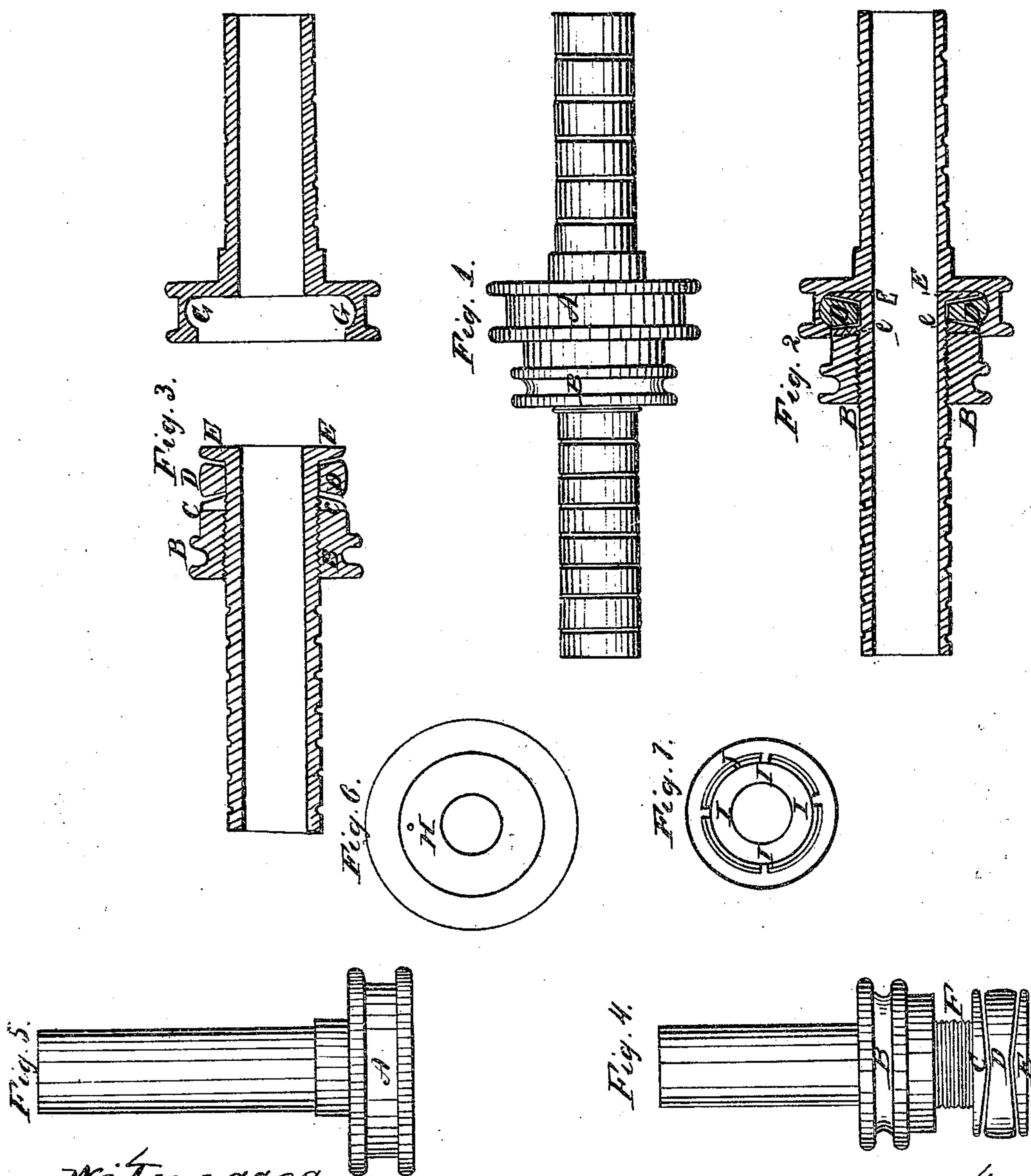
In testimony whereof I, the said JEREMIAH MILLER, have hereunto set my hand.

JEREMIAH ^{his} × MILLER.
mark.

Witnesses:

JOSEPH J. SLIME,
EDWARD LYNCH.

P.H. Miles,
Hose Coupling,
No. 68,380, Patented Sept. 3, 1867



Witnesses.

J. M. & Howard
M. H. Dungen

Inventor
P. H. Miles