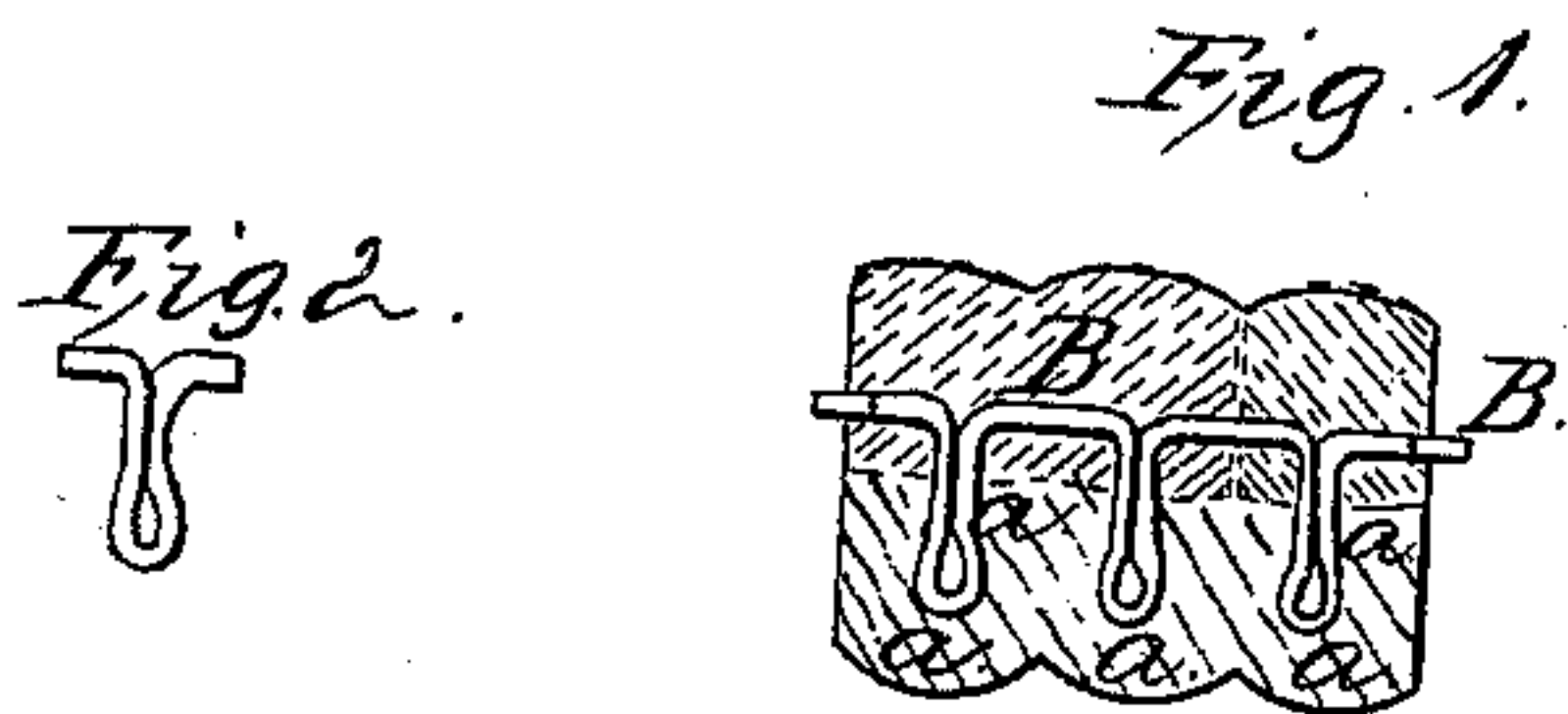


H. M. Raynor.

Pin for Artificial Teeth.

N^o 99,593.

Patented Feb. 8, 1870.



Witnesses.

Justave Dutcher
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United States Patent Office.

HIRAM M. RAYNOR, OF NEW YORK, N. Y.

Letters Patent No. 99,593, dated February 8, 1870.

IMPROVED PIN FOR ARTIFICIAL TEETH

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, HIRAM M. RAYNOR, of the city, county, and State of New York, have invented a new and useful Improvement in Pins for Artificial Teeth; 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—

The figure in the drawing represents a plan view of my improved pin.

This invention relates to an improved manner of constructing the pins by which the teeth are fastened to the rubber or other base; and

The invention consists in forming, upon a continuous piece of wire, a series of pins or loops by doubling up said wire at intervals, the pins projecting through the teeth at right angles to the main portion of the wire, which extends through all the teeth laterally.

a is the shank; and

b, the loop end.

C is the rubber-gum; and

D, the teeth.

The tooth, by a well known method, is cast in a

mould, upon the shank ends *b*, and the rubber upon the loop end *a*.

In case two or more teeth are to be inserted, I effect it by extending the wire in a series of loops and right-angled shanks, as represented by *B*. Thus, whether a greater or lesser number of teeth are to be manufactured, there is but a single block formed, and but a single operation required. Thus, by constructing my pin with the right-angled extensions or shanks *b*, I am not only enabled to secure a firm and effective hold upon a single tooth, but am able to secure a series of teeth in one block with equal facility, and at scarcely any additional cost.

I am aware that a T-shaped pin, for fastening a single tooth is old, and therefore do not seek a patent for the same; but

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

The combination of the continuous wire *B*, forming a series of connecting-pins, with the rubber *C* and teeth *D*, as and for the purpose specified.

Witnesses:

HIRAM M. RAYNOR.

FRANK BLOCKLEY,

ALEX. F. ROBERTS.