

(No. Model.)

A. ISHERWOOD.  
LOOM TEMPLE.

No. 415,041.

Patented Nov. 12, 1889.

Fig: 1.

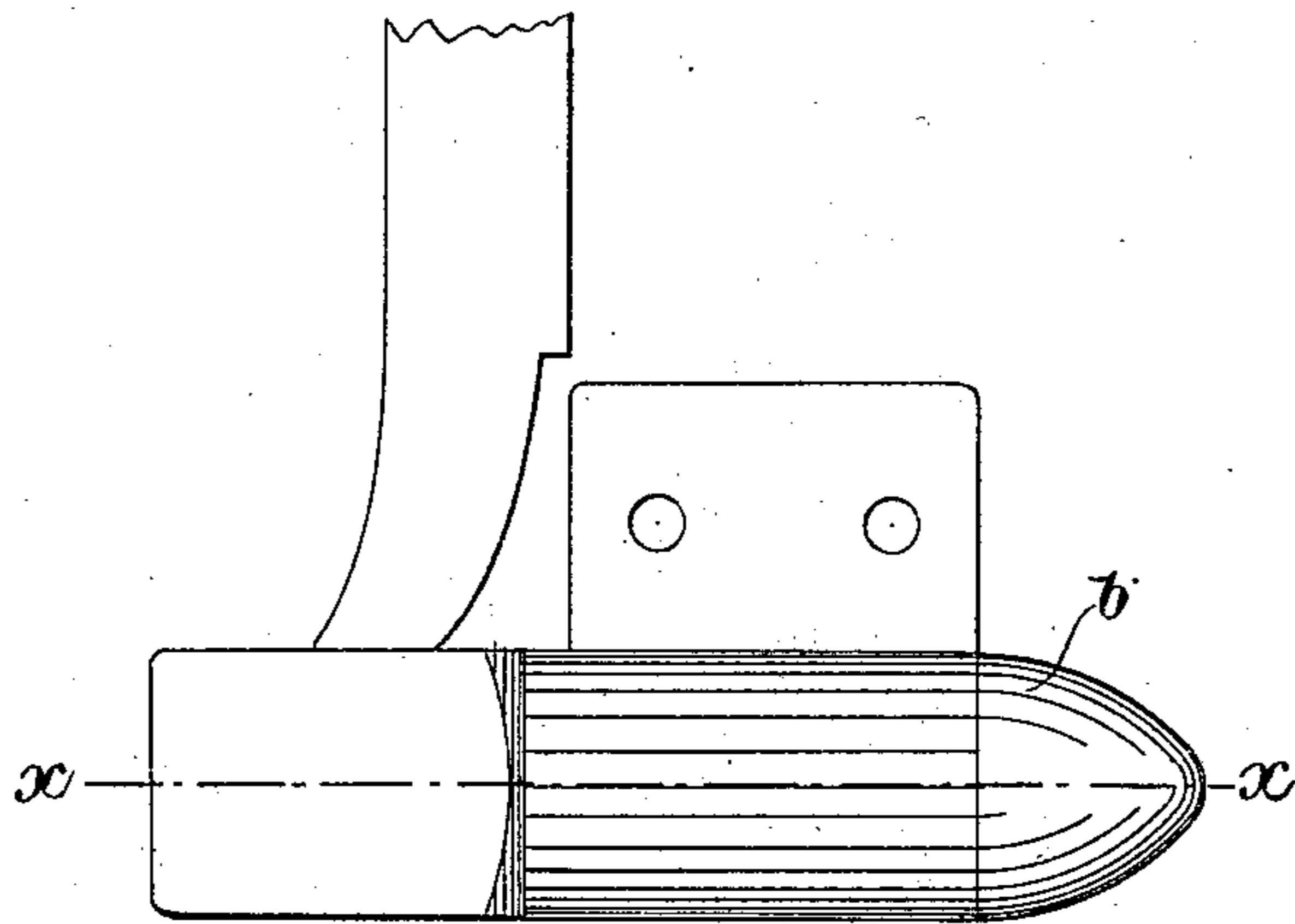
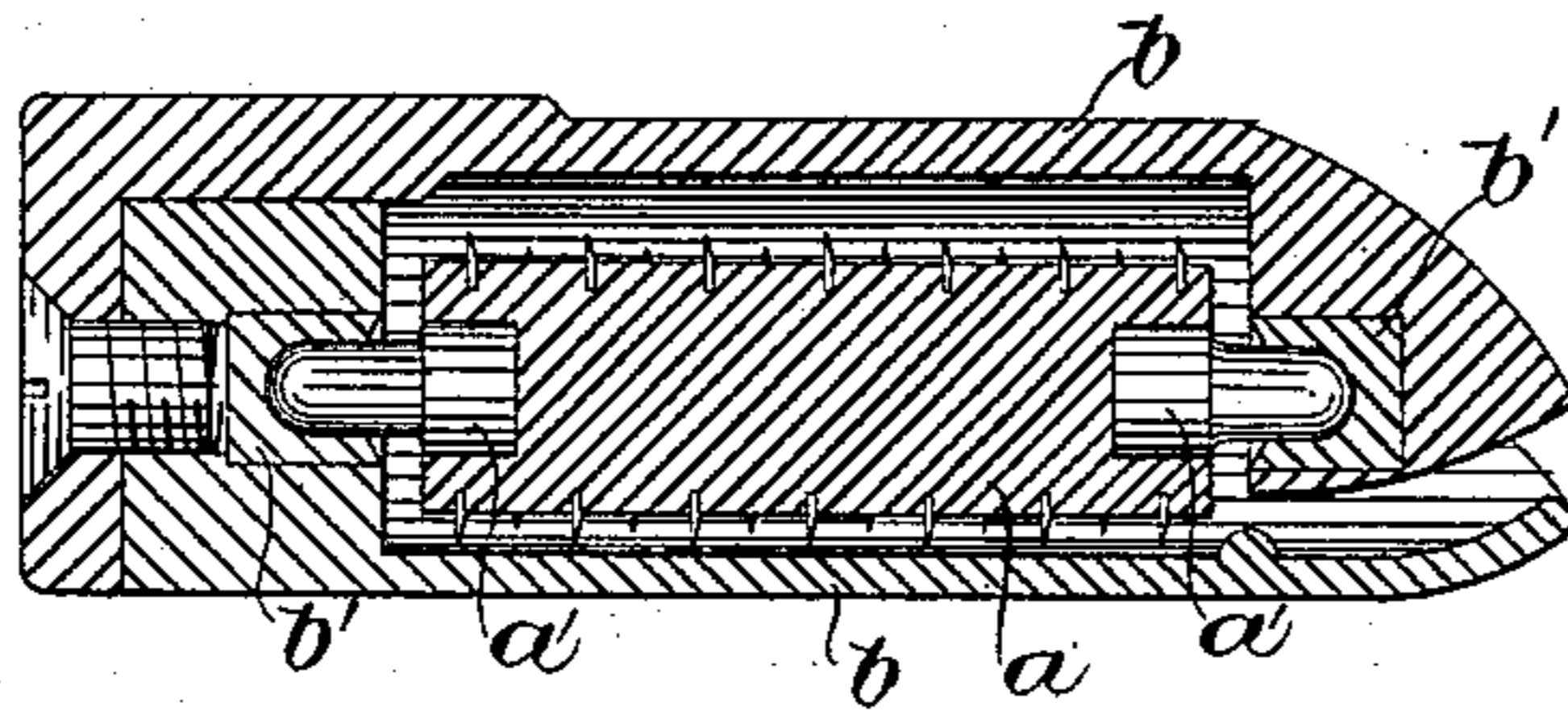


Fig: 2.



Witnesses.

Fred. S. Greenleaf  
Frederick L. Emery.

Inventor.

Alfred Isherwood,  
by Lemby & Gregory Attys

# UNITED STATES PATENT OFFICE.

ALFRED ISHERWOOD, OF NEW BEDFORD, ASSIGNOR TO THE DUTCHER  
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## LOOM-TEMPLE.

SPECIFICATION forming part of Letters Patent No. 415,041, dated November 12, 1889.

Application filed October 18, 1888. Serial No. 288,428. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED ISHERWOOD, of New Bedford, county of Bristol, State of Massachusetts, have invented an Improvement in Loom-Temples, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to loom-templates, and is an improvement upon the temple shown and described in United States Patent No. 265,264, granted to me October 3, 1882. With loom-templates constructed substantially as shown in the patent referred to, wherein the temple-roll revolves upon pins or plugs extended into bearings or steps in the ends of the roll, it has been found in practice that the under part of the pin, of a material softer than the step, is subjected to the greatest wear, and after considerable use the lower part of the pin or plug is gradually worn down, and the said pin or plug correspondingly weakened. Another objectionable feature of the wearing away of the plug is that the roll is gradually brought nearer the cap or cover of the "pod" for the roll by the cloth, and frequently the teeth of the said roll strike against the said cap or cover. In this invention the pins or plugs set into the ends of the roll, and of a different material, are harder than the steps, and consequently the said pins or plugs will retain their shape, thereby causing the roll to run truly, notwithstanding wear in the step, which is less in extent than in the temple described in the said patent. In accordance with my present invention the pins or plugs, preferably of porcelain, glass, or other vitreous material, are secured to, but are of a material differing from that employed for the body of, the temple-roll, and the steps or bearings for the same are supported by the casing or pod.

My invention therefore consists, essentially,

in the combination, with a casing or pod provided with independent steps or bearings, of a roll provided with attached independent porcelain or other vitreous pins or plugs, substantially as will be described.

Figure 1 is a top or plan view of a loom-temple embodying my invention, and Fig. 2 a longitudinal section of the temple shown in Fig. 1 on line *x x*.

The roll *a*, of any usual or well-known construction, preferably of wood, is provided at its opposite ends with pins or plugs *a'*, preferably of porcelain, glass, or other vitreous material, the said pins or plugs being driven into sockets in the ends of the roll or otherwise secured therein. The usual roll *a* is supported in a suitable casing or pod *b*, of any usual or well-known construction, the said casing or pod being provided with steps or bearings *b'*, preferably of leather, wood, or other non-metallic material, into which the pins or plugs are extended. By providing the roll with pins or plugs it will be noticed that the said pins or plugs are revolved with the roll *a*, and consequently worn concentrically, and by making the said plug of porcelain or analogous material the wear upon the same is diminished, thereby prolonging the life and usefulness of the pin or plug.

I claim—

In a loom-temple, the combination, with a casing or pod provided with independent steps or bearings, of the roll provided with attached independent porcelain or other vitreous pins or plugs, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED ISHERWOOD.

Witnesses:

JAS. H. CHURCHILL,  
M. RAY.