

No Model.)

W. I. STIMPSON.
LOOM TEMPLE.

No. 573,308.

Patented Dec. 15, 1896.

Fig. 1.

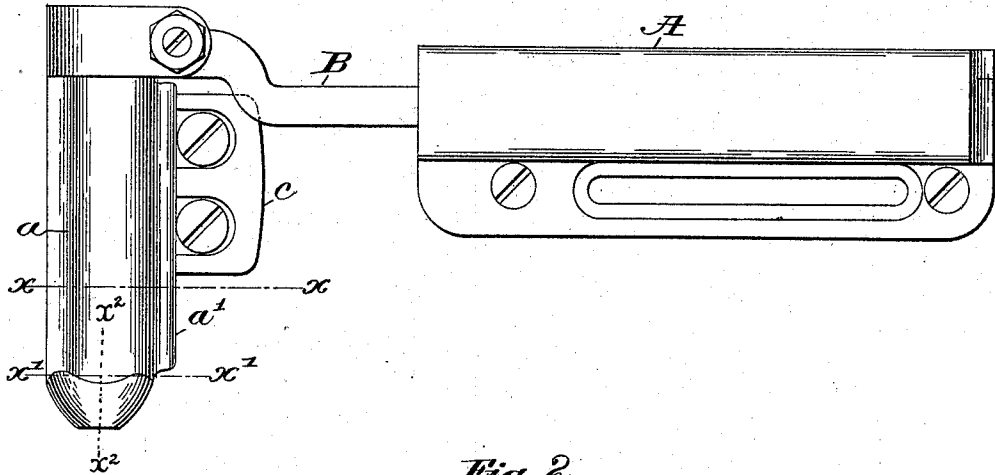


Fig. 2.

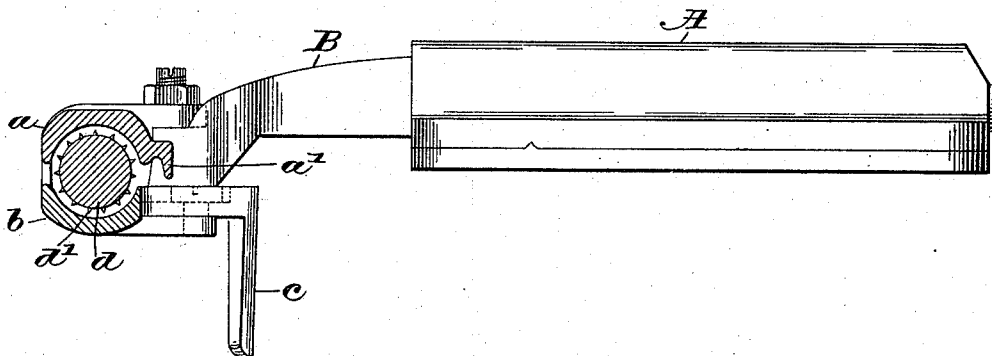


Fig. 3.

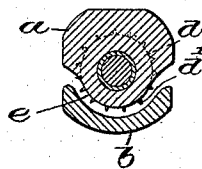
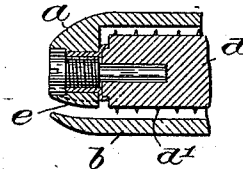


Fig. 4.



witnesses.

Fred S. Grunleaf.

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attys.

UNITED STATES PATENT OFFICE.

WALLACE I. STIMPSON, OF HOPEDALE, MASSACHUSETTS, ASSIGNOR TO THE
DUTCHER TEMPLE COMPANY, OF SAME PLACE.

LOOM-TEMPLE.

SPECIFICATION forming part of Letters Patent No. 573,308, dated December 15, 1896.

Application filed June 10, 1896. Serial No. 594,907. (No model.)

To all whom it may concern:

Be it known that I, WALLACE I. STIMPSON, of Hopedale, county of Worcester, 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.

In loom-templates as now commonly made and in use the cloth after passing the roll emerges from the temple through an open slot between the inner side edges of the cap and pod. This construction is objectionable because when a fault occurs in the cloth, so that the latter presents loose yarn, which becomes wrapped about the roll or in any way obstructs its movement, or if a fault occurs in the cloth which should be removed by cutting the same out, the operative with a knife or other cutting instrument cuts the yarn or cloth while on the roll, the blade of the knife being used against the roll, and in this operation the knife always strikes the very fine sharp teeth of the roll and blunts or damages them, so that thereafter they cannot enter the cloth properly, but on the contrary they tear and damage the cloth, and the temple-roll has to be removed and a new one inserted. To prevent the operative from putting a knife against the roll, I have provided the inner edge of the cap with a downturned lip or guard which so far closes the cloth-passage at the rear side of the roll as to preclude the introduction of the blade of a knife to cut anything off against the roll.

Figure 1, in top or plan view, shows a loom-temple embodying my invention; Fig. 2, a section in the line x ; Fig. 3, a section in the line x' ; and Fig. 4 is a partial longitudinal section of the cap above the roll in the line x'' , Fig. 1.

The stand A, the shank B, the cap a , pod b , heel c , and roll d , having sharp points or pins d' , are and may be all as usual.

I have provided the cap a with a lip or guard a' , extended downwardly from the inner side of the cap toward the top of the heel, said guard almost closing up the usual cloth-passage at the rear side of the roll and completely obviating the introduction of a knife blade in such position as to cut against the roll d to sever the cloth or yarn.

This invention is not limited to the exact shape shown for the lip or guard, or to making it one and the same piece with the cap; but such construction is preferable for cheapness of construction.

The lug or ear e at the free end of the cap which receives the usual journal or pin on which the roll turns is herein shown as made longer than heretofore, so that it extends down to substantially the line occupied by the periphery of the roll, so that said lug, and not the roll, as heretofore, keeps the cloth down. This construction results in greatly reducing the wear on the said journals and on the said rolls and adds very greatly to the life of the temple.

In Fig. 4 I have shown the lug or ear e extended down to take the strain of the cloth. The dotted lines in said figure show where the said ear usually terminates.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

A loom-temple having its cap provided with a lip or guard at the rear side of the roll, to nearly close the cloth-passage thereat, substantially as described.

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

WALLACE I. STIMPSON.

Witnesses:

GEORGE E. STIMPSON,
FRANK J. DUTCHER.