

No. 618,368.

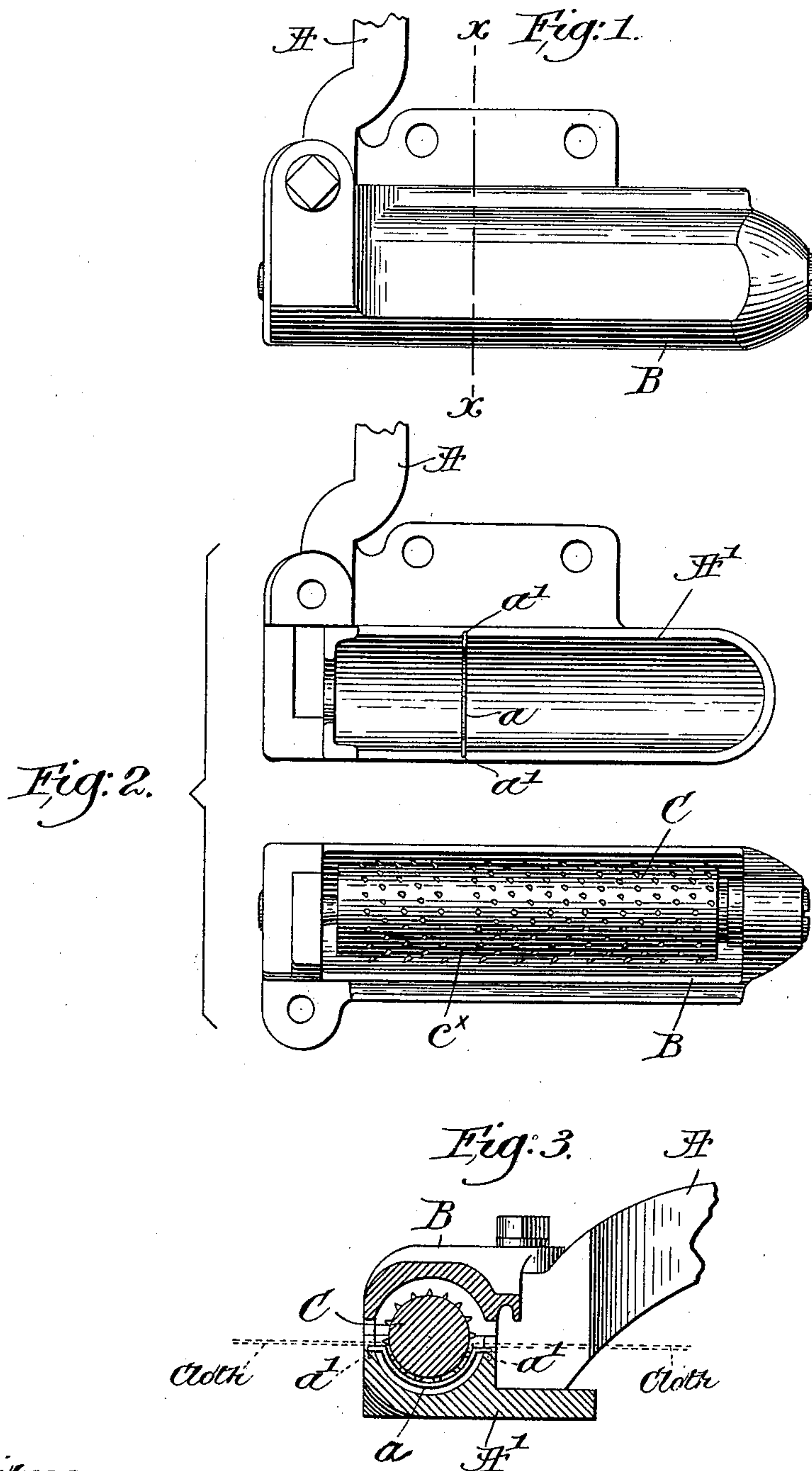
Patented Jan. 24, 1899.

W. I. STIMPSON.

LOOM TEMPLE.

(Application filed Aug. 4, 1898.)

(No Model.)



Witnesses.

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# UNITED STATES PATENT OFFICE.

WALLACE I. STIMPSON, OF MILFORD, MASSACHUSETTS, ASSIGNOR TO THE  
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## LOOM-TEMPLE.

SPECIFICATION forming part of Letters Patent No. 618,368, dated January 24, 1899.

Application filed August 4, 1898. Serial No. 687,683. (No model.)

*To all whom it may concern:*

Be it known that I, WALLACE I. STIMPSON, of Milford, county of Worcester, and State of Massachusetts, have invented an Improve-  
5 ment 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 temples for looms;  
10 and it has for its object the production of means to press the cloth in a positive manner firmly against the roll in order to insure the engagement of the teeth thereof with the cloth.

15 Figure 1 is a top or plan view of a loom-temple with the stand omitted. Fig. 2 shows the temple-pod and the cap opened out to show my invention; and Fig. 3 is a transverse sectional view of the temple, taken on the line  $x x$ , Fig. 1.

20 The slide-bar A, the pod A', attached thereto, the cap B, and the rotatable toothed cylindrical roll C may be and are substantially of usual and well-known construction.

25 In carrying out my invention I provide the concave bottom of the pod with one or more transverse ribs or projections  $a$ , one being herein shown, and this rib may be conveniently formed of a piece of wire bent to follow the curvature of the roll and partially en-  
30 circle it and secured in place by having its downturned ends  $a'$  inserted in suitable holes in the side walls of the pod.

35 In order to prevent interference of the rib with the teeth of the roll C, I omit one spiral or row of teeth on the roll, thereby leaving a clear or smooth band  $c^x$  around the roll opposite the rib or projection  $a$ .

40 As the cloth passes through the temple and over the rib the latter raises it and causes it to approach the roll very closely, so that the teeth are absolutely sure to engage the cloth.

I have shown the projection located nearer the inner end of the pod, so that the cloth  
45 near its selvage is pressed positively upon the teeth of the roll without in the least interfering with the passage of the cloth or the proper operation of the temple.

50 When the directing rib or projection is made of wire, as herein, it can yield by reason of its elasticity, which is an advantageous fea-

ture, particularly should the cloth vary in thickness.

My invention is not restricted to the construction herein shown, as the same may be  
55 modified without departing from the spirit and scope of my invention.

Having shown one practical embodiment of my invention, what I claim, and desire to se-  
60 cure by Letters Patent, is—

1. In a loom-temple, a cylindrical toothed roll having an annular toothless portion, and the pod provided with an independent trans-  
65 verse, curved rib or projection to partially encircle and closely approach the toothless portion of the roll, substantially as described.

2. In a loom-temple, a cylindrical roll having an annular toothless portion, the pod, and a transverse wire independent of and at-  
70 tached at its ends to the pod, to partially encircle the roll and closely approach the toothless portion of its circumference, substantially as described.

3. In a loom-temple, a cylindrical toothed roll, and a detachable curved, fixed wire  
75 mounted transversely to the roll, to partially encircle, and closely approach the circumference thereof, the cloth passing between the roll and the wire and by the latter being  
80 pressed upon the teeth of the former, substantially as described.

4. In a loom-temple, a cylindrical toothed roll having an annular toothless portion, and the pod provided with an elastic or yielding  
85 transverse, curved rib or projection to partially encircle and closely approach the toothless portion of the roll, substantially as described.

5. In a loom-temple, a cylindrical roll having an annular toothless portion, the pod, and  
90 a yielding or elastic transverse, curved wire fixed at its ends to the pod, to partially encircle and closely approach the toothless portion of the roll, substantially as described.

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

WALLACE I. STIMPSON.

Witnesses:

ALBERT H. COUSINS,  
GEO. OTIS DRAPER.