

W. W. DUTCHER.
Loom-Temples.

No. 139,884.

Patented June 17, 1873.

Fig. 1.

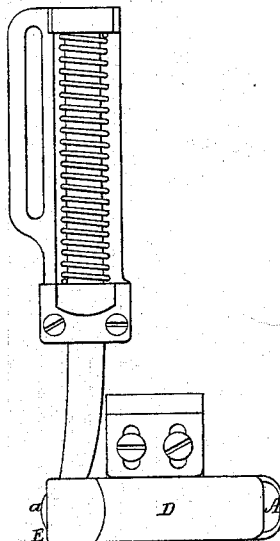


Fig. 2.

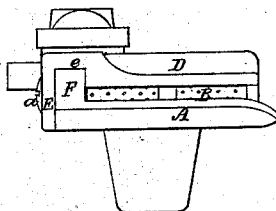
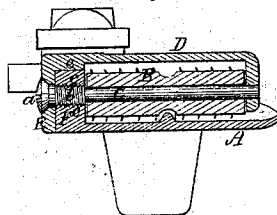


Fig. 3.



Witnesses.
S. W. Piper
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by his attorney.
R. H. Eddy

UNITED STATES PATENT OFFICE.

WARREN W. DUTCHER, OF HOPEDALE, MASSACHUSETTS.

IMPROVEMENT IN LOOM-TEMPLES.

Specification forming part of Letters Patent No. **139,884**, dated June 17, 1873; application filed May 9, 1873.

To all whom it may concern:

Be it known that I, WARREN W. DUTCHER, of Hopedale, of the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Temples for Looms; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a front end elevation, and Fig. 3 a transverse section, of one of my improved temples, the plane of section being taken through the axis of the toothed roller.

My present improvement has relation to the cap of the roller, and its application to the trough.

In fastening the cap to the trough it has been customary, heretofore, to accomplish such by screws going vertically through the cap and into the abutment of the trough, a separate screw or spindle being used for supporting the roller. To preserve the cap in its required or normal position it is customary to provide the abutment with a tongue to enter a groove in the cap, such tongue and groove being dispensed with by my improvement.

In carrying out my said invention the cap is furnished with a lip to extend down from it against, and to fit to, the outer side of the abutment; and further, the screw-spindle for supporting the roller goes through the said lip and screws into the abutment, the head of the screw bringing up against the lip, whereby it will be perceived that the screw-spindle

not only supports the roller but holds the cap in place, especially when the cap is recessed, as shown, to receive the abutment.

In the drawings, A denotes the trough; B, the toothed roller; C, the screw-spindle; D, the cap, and E the lip, the latter being projected down from the cap and against the outer face of the abutment F. The grooved or nicked head of the spindle is shown at *a*, and its screw at *b*, the abutment being provided with a female screw, *c*, to receive the screw *b*.

Even were the lip used without the spindle going through it, but arranged on the abutment so that the outer end of the spindle may be covered by the lip, one or more screws being used to go through the cap or the lip to confine the cap to the abutment, such would be a valuable improvement, as the lip serves to great advantage to steady the cap and keep it in its normal position, especially when the cap is recessed, as shown at *e*, to receive the abutment.

I therefore claim—

1. In the loom-temple, the roller-cap D, provided with the lip E and the abutment-receiving recess *e*, arranged as set forth.

2. The cap D provided with the lip E, and held in place on the abutment F by the roller-spindle C going through the said lip and being screwed into the trough or its abutment, as explained.

WARREN W. DUTCHER.

Witnesses:

R. H. EDDY,

J. R. SNOW.