

J. HIRST.
Temples for Looms.

No. 152,229.

Patented June 23, 1874.

Fig. 1.

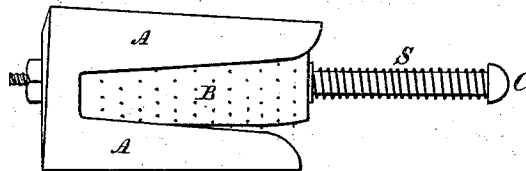
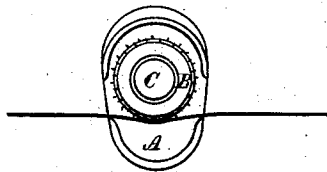


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOSEPH HIRST, OF ROCKVILLE, CONNECTICUT.

IMPROVEMENT IN TEMPLES FOR LOOMS.

Specification forming part of Letters Patent No. **152,229**, dated June 23, 1874; application filed June 5, 1874.

To all whom it may concern:

Be it known that I, JOSEPH HIRST, of Rockville, in the county of Tolland and State of Connecticut, have invented certain new and useful Improvements in Temples for Looms; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

The temples in common use for holding and stretching the edges of cloth while it is being woven are held rigidly in place, so that it often happens that the cloth, especially in the softer and more tender fabrics, is pulled apart so as to injure, and sometimes to tear, it.

The object of my invention is to overcome this difficulty by providing a yielding and elastic temple, which holds the cloth with the requisite tension, but yields before injuring it. My invention consists in a temple of the ordinary form, but provided with a spiral spring at the end, which yields when pressed.

In the accompanying drawing, Figure 1 is

a front view of my improved temple. Fig. 2 is an end view of the same with the cloth passed through it.

A is the frame of the temple. B is the roller, furnished with spurs or points in the usual manner. C is the axis upon which B turns. It is fixed at one end in the frame A, and is prolonged beyond the end of the roller B, so as to hold the spiral spring S, which operates against the end of B, as shown in Fig. 1.

The operation of my invention is as follows: The temple is attached to the frame of the loom in any usual manner. As the cloth passes through it the roller is held outward by the pressure of the spring S, so that whenever any undue strain comes upon it, such as would be sufficient to injure the cloth, the spring yields while still holding the cloth by its elastic resistance.

What I claim as my invention is—

The combination of the spring S with the roller B of a temple, substantially as and for the purpose herein described.

JOSEPH HIRST.

Witnesses:

FRANK KEENEY,
BENEZET H. BILL.