

T. Bosshard,
Shuttle for Looms
No. 106,774. Patented Aug. 30. 1870.

Fig. 1.

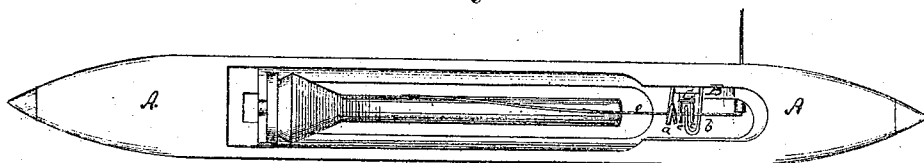
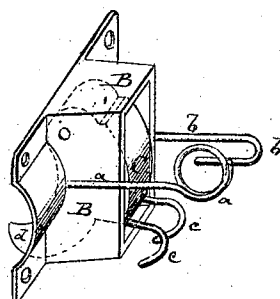


Fig. 2.



Witnesses:
S. S. Mabey
Geo. W. Mabey

Inventor:
T. Bosshard
 PER *Munn & Co*
 Attorneys.

United States Patent Office.

THEODOR BOSSHARD, OF COLUMBUS, OHIO.

Letters Patent No. 106,774, dated August 30, 1870.

IMPROVEMENT IN SHUTTLE-STOPPING DEVICE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, THEODOR BOSSHARD, of Columbus, in the county of Franklin and State of Ohio, have invented a new and Improved Shuttle for Looms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a plan view of my improved shuttle.

Figure 2 is a detail perspective view of my attachment thereto.

Similar letters of reference indicate corresponding parts.

This invention relates to improvement in stop devices applied to loom-shuttles, for the purpose of arresting the same upon the breaking of a thread.

The invention consists in the construction and arrangement of parts, as hereinafter specified.

A in the drawing represents a shuttle of suitable construction. Through its side is fitted a box, B, which has two inwardly-projecting eyes or loops, *a* and *b*.

In the box B is held a pivoted lever, C, which carries one or more projecting hooks or eyes, *c*, and which is so weighted that its outer end *d* has the tendency to project beyond the outside of the shuttle.

When the shuttle is in use, the thread *e* is drawn through the eyes *a*, *b*, and *c*, the latter being between the former two. As long as the thread is tense it will hold the eye *c* in line with *a* *b*, and will thereby keep the weighted end *d* of the lever elevated, so that the same will clear the outer face of the shuttle. When, however, the tension of the thread ceases, from whatever cause that may be, the lever will drop, so that its outer end, *d*, will project beyond the side of the shuttle. The projecting part of the lever will then serve as a stop for arresting the shuttle, preventing the same from reaching the propelling apparatus. Much inconvenience in the operation of weaving and injury to the fabric are thus avoided.

Arresting the shuttles of looms by means of a drop is not new; but my arrangement for the purpose is more simple and effective than those heretofore known.

Having thus described my invention,
I claim as new and desire to secure by Letters Patent—

The loops *a* and *b*, and eyes *c* *c*, attached respectively to the case B and pivoted lever C, all said parts being constructed and arranged in the particular manner shown and described, for the purpose specified.

THEODOR BOSSHARD.

Witnesses:

G. LUCHTENBERG,
F. CORRODI.