

W. BENNETT.

Shuttle for Sewing Machines.

No. 109,574.

Patented Nov. 29, 1870.

Fig: 1.

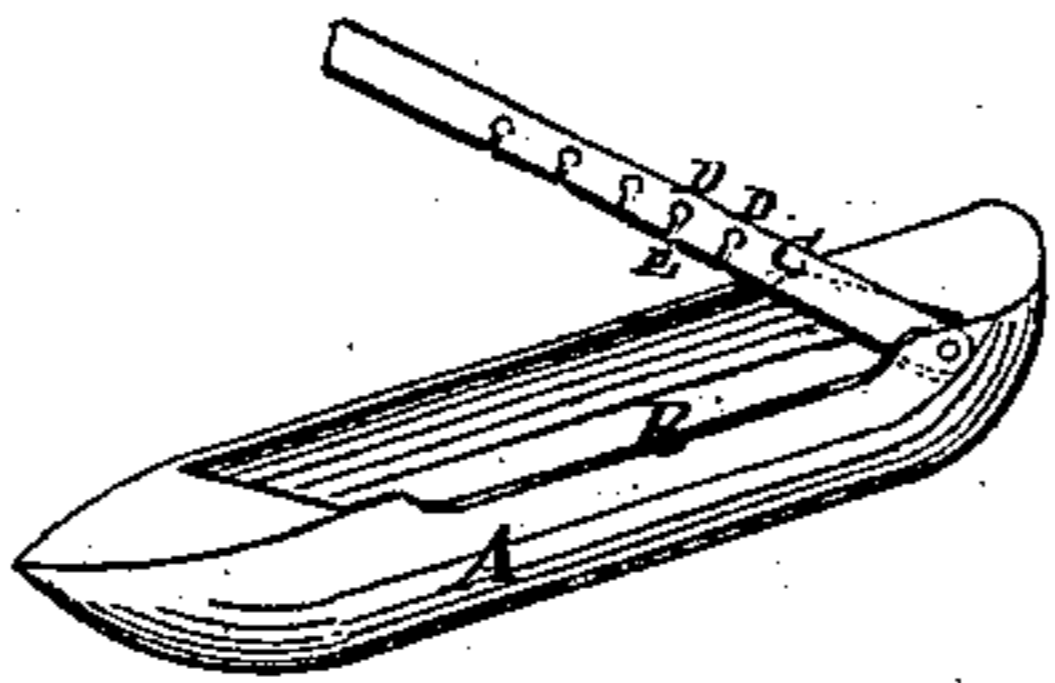


Fig: 2.



Witnesses:

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# United States Patent Office.

WALTER BENNETT OF SPRINGFIELD, ILLINOIS.

Letters Patent No. 109,574, dated November 29, 1870.

## IMPROVEMENT IN SHUTTLES FOR SEWING-MACHINES.

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, WALTER BENNETT, of Springfield, in the county of Sangamon and State of Illinois, have invented a new and useful Improvement in Shuttles; 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.

This invention relates to improvements in shuttles, and consists in an improved arrangement with the shuttle, having a recess or depression along the upper edge of one of the sides of a bar, with eyes for the thread and slots leading from the lower edge to the said eyes, for threading them, said bar being pivoted at one end to the shuttle inside, and arranged to close down by the inside of the recessed side so that the thread will be retained in the eyes by the upper edge of the shuttle side.

The said improvement is mainly designed for sewing-machine shuttles, but may be applied to others.

Figure 1 is a perspective view of my improved shuttle, with the eye-bar raised, and

Figure 2 is a side elevation of the shuttle, when the bar is closed down to the working position.

Similar letters of reference indicate corresponding parts.

A is the shuttle, of ordinary construction, except

that the depression, B, is made in the upper edge of the wall over which the thread passes.

C is a long flat bar of sheet metal, having a number of eyes, D, through it, and slots E leading from the lower edge to the eyes.

This bar is pivoted to the shuttle inside the wall, having the recess at one end thereof, and so that it may shut down inside the said wall till the eyes will range along above the wall, as shown in fig. 2, the slots falling below, so that the thread is confined in the eyes by the wall of the shuttle.

To thread the shuttle, the bar C is raised, as shown in fig. 1, and the thread is drawn across the lower edge and along it lengthwise, until it encounters the slot leading to the eye, into which it is designed to have it fall when the tension on the thread carries it through the slot to the eye. The upper edge of the bar comes down flush with the top of the shuttles.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The combination, with the shuttle, having the depressions in the wall over which the thread passes, of the slotted eye-bar C, arranged substantially as specified.

Witnesses: WALTER BENNETT.

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