

(No Model.)

S. G. MILLER.

LINGO OR HEDDLE WEIGHT FOR JACQUARD LOOMS.

No. 487,537.

Patented Dec. 6, 1892.

Fig. 1.

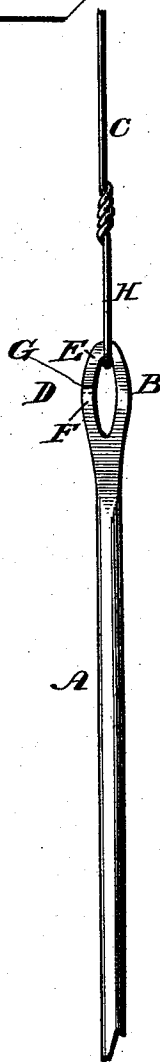


Fig. 2.

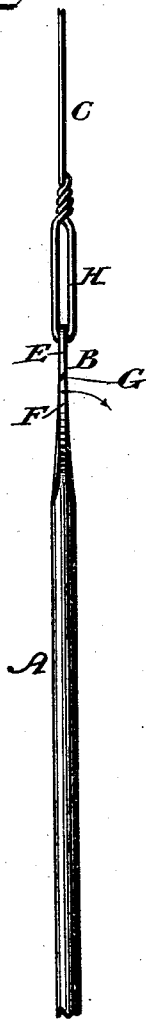
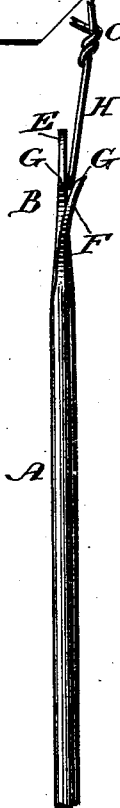


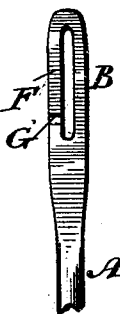
Fig. 3.



WITNESSES:

Fig. 4.

L. Douville
P. H. Hayes.



INVENTOR.
Stanley S. Miller.
BY John A. Diederichsen
ATTORNEY.

UNITED STATES PATENT OFFICE.

STANLEY G. MILLER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO WILLIAM F. MILLER, OF SAME PLACE.

LINGO OR HEDDLE-WEIGHT FOR JACQUARD LOOMS.

SPECIFICATION forming part of Letters Patent No. 487,537, dated December 6, 1892.

Application filed March 5, 1892. Serial No. 423,883. (No model.)

To all whom it may concern:

Be it known that I, STANLEY G. MILLER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Lingo or Heddle-Weights for Jacquard Looms, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a lingo or heddle-weight provided with a divided eye that admits of the ready connection of the heddle therewith, and the sure retention of the same thereon, said eye forming a hook and tongue which are integral with the body of the lingo and flattened and admit of lateral motions being imparted to said tongue, as will be hereinafter fully set forth.

Figures 1 and 2 represent side elevations at a right angle to each other of portions of a lingo embodying my invention. Fig. 3 represents a side elevation showing the eye in open condition preparatory to the application or removal of the heddle. Fig. 4 represents a side elevation of a modification.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a lingo having an eye B at the upper end of its depending body portion for the connection of the heddle C, which in the present case is of wire, as well known. One side of the eye is divided, as at D, forming the hook E and tongue F, which remain integral with the body of the lingo while the tongue is elastic in its nature, so that it may be readily moved in lateral direction so as to open the eye, and when released return to its normal condition, thus closing said eye. The edges of the tongue and hook portion are beveled, as G, permitting the tongue to open in lateral direction only, or at an angle to the plane of the flattened side of the eye portion of the lingo, and when the tongue is closed causing the edges to abut, thus preventing the tongue from passing the center and opening in the

opposite direction, whereby the closed condition of the tongue is assured. It will be seen that when the tongue is pressed in proper direction said tongue yields and thus opens the eye B, whereby the loop H of a heddle may enter said eye and be fitted on the hook portion thereof, the tongue then springing back to its proper position and closing the eye, it being evident that the lingo is reliably attached to the heddle and prevented from disconnection therefrom. It is evident that the heddle and lingo may be readily separated by moving the tongue from its section, the end of the hook thus opening the eye and permitting the heddle to be disconnected from the same, or vice versa. The eye portion of the lingo is flattened, so as to reduce the thickness of the same, so that the lingo and loop of the heddle are substantially of the same thickness at their place of connection as the body of the lingo, and also render the tongue more elastic in its nature.

In Fig. 4 the tongue is at the upper part of the eye instead of at the lower part as in the other figures, the result, however, being the same in both cases.

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

1. A lingo or heddle-weight having a flattened eye, one side of which is divided, forming a tongue and hook, the tongue being adapted to open in a plane at a right angle to the plane of the eye, said parts being combined substantially as described.

2. A lingo having a flattened eye one side of which is divided, forming a tongue and hook, the contact edges of which are beveled, and the tongue adapted to open in a plane at a right angle to the plane of the eye, said parts being combined substantially as described.

STANLEY G. MILLER.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. JENNINGS.