

(Model.)

G. W. STAFFORD.
LINGO FOR LOOMS.

No. 586,322.

Patented July 13, 1897.

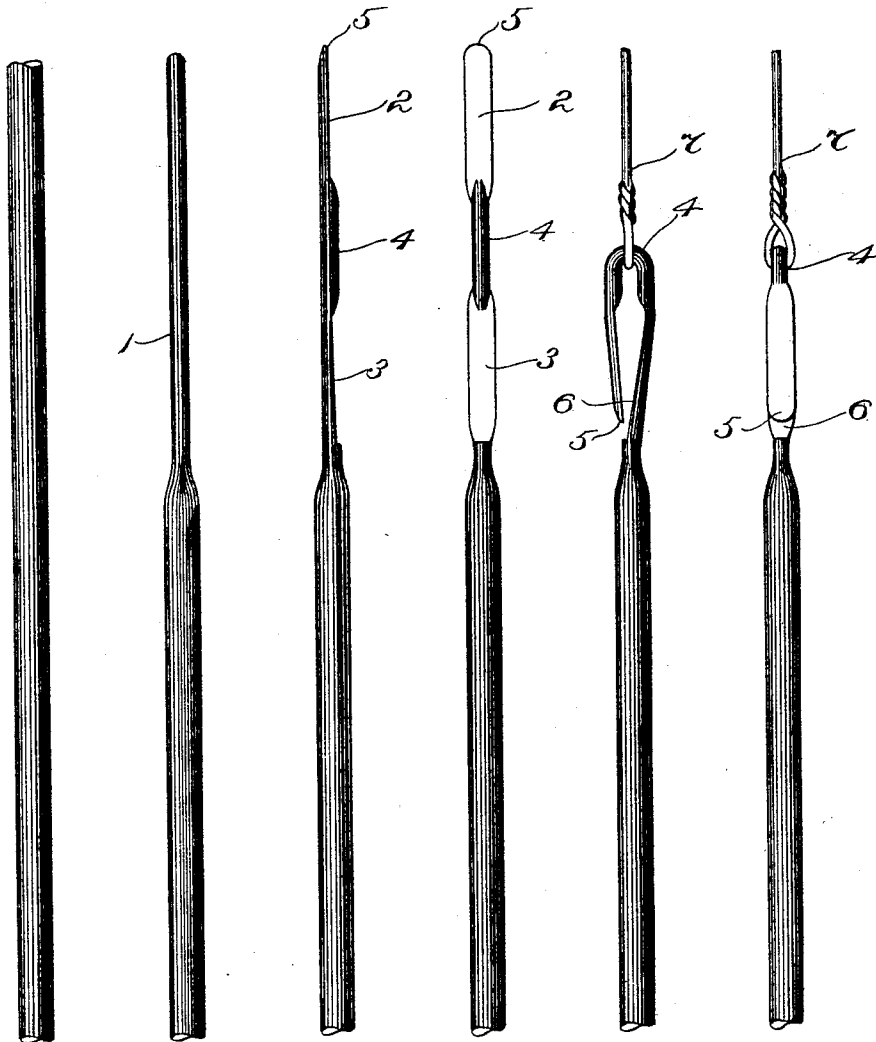


Fig. 1. Fig. 2. Fig. 3. Fig. 4. Fig. 5. Fig. 6.

Witnesses:

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UNITED STATES PATENT OFFICE.

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LINGO FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 586,322, dated July 13, 1897.

Application filed March 1, 1897. Serial No. 625,520. (Model.)

To all whom it may concern:

Be it known that I, GEORGE W. STAFFORD, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Lingo for Looms, of which the following is a specification, reference being had therein to the accompanying drawings.

There is great demand for a lingo having a spring-head which shall permit the loop of a heddle to be connected therewith without any difficulty, which shall not tend to cut such loop, and which shall not exceed in its proportions in cross-section the proportions of the body or lower portion of the lingo to thereby take up room laterally or interfere with the vertical movements of the lingo when grouped with a number of others, as occurs in practice in Jacquard looms.

The object of my invention is to provide a novel and improved form of lingo which shall meet the foregoing requirements, shall admit of being rapidly and economically produced, and at the same time shall be superior to the forms heretofore proposed.

The invention will be described first with reference to the accompanying drawings, in which is represented the best embodiment thereof which I have yet contrived, and afterward the distinguishing characteristics thereof will be pointed out particularly, and defined distinctly in the claim at the close of this specification.

Figure 1 of the drawings shows a length of wire such as will be used in the production of a lingo embodying my invention. Fig. 2 shows the same with the head end thereof swaged to a smaller diameter. Figs. 3 and 4 show views of different sides of the same after the swaged portion thereof has been flattened in the manner hereinafter described. Figs. 5 and 6 are views from different sides of the finished lingo with a wire heddle applied thereto.

My improved lingo is formed of wire of suitable cross-section, a length of which is represented in Fig. 1. The upper end or head portion 1 of the said length is swaged to a reduced diameter, as indicated in Fig. 2. Then the said reduced head portion is flattened at the end thereof at 2 for a sufficient distance to constitute the spring-tongue of the completed lingo, and also at 3 throughout the back portion of the head opposite to the said spring-tongue, the wire being left round—that is, of circular cross-section—at 4 throughout the entire length of the bend or neck portion of the head. Then the head portion 1 is bent upon itself in the round neck portion 4 until the tip of the tongue 5 has been brought very close to or against the back 6 of the head.

The completed or finished lingo presents a spring-head in which the wire is swaged to a smaller diameter than the body, it having a flattened tongue 5, an opposing flattened back portion 6, and a neck portion of circular cross-section extending throughout the bend of the neck. The neck portion is wholly free from any projection or edge such as would tend to cut the loop of a heddle. At 7, Figs. 5 and 6, is shown part of a heddle which is connected with the lingo.

I claim as my invention—

The improved lingo consisting of wire reduced in diameter throughout the head portion thereof, and having a spring-head with a flattened tongue 5 and opposing flattened back portion 6, and a neck portion 4 of circular cross-section extending throughout the bend of the neck, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. STAFFORD.

Witnesses:

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