

W. L. GILBERT.
SHUTTLES FOR WEAVING DUCK, &c.

No. 191,526.

Patented June 5, 1877.

Fig. 1.

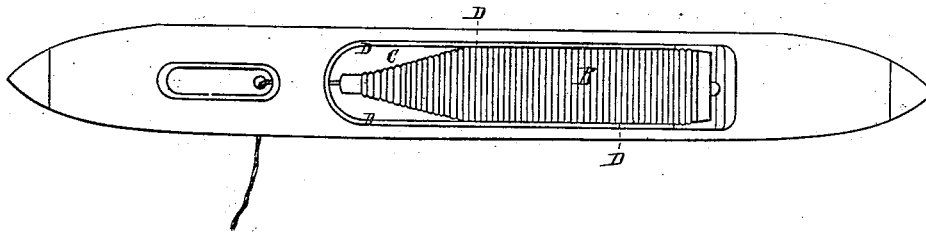
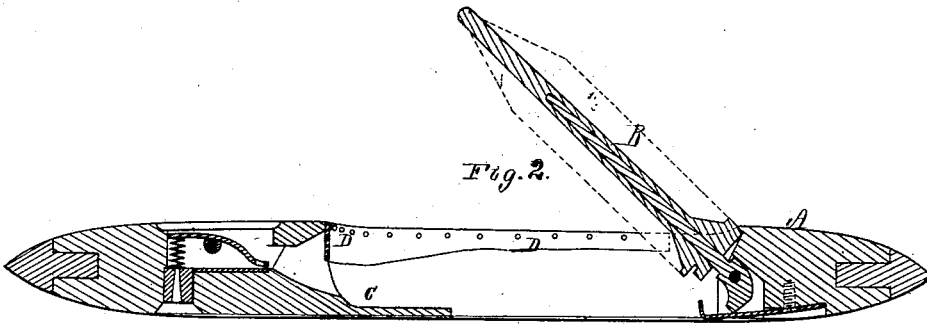


Fig. 2.



Witnesses

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WALTER L. GILBERT, OF PLYMOUTH, MASSACHUSETTS.

IMPROVEMENT IN SHUTTLES FOR WEAVING DUCK, &c.

Specification forming part of Letters Patent No. **191,526**, dated June 5, 1877; application filed April 11, 1877.

To all whom it may concern :

Be it known that I, WALTER L. GILBERT, of the town and county of Plymouth, of the State of Massachusetts, have invented a new and useful Improvement in Shuttles for Weaving Duck or various other heavy cloths, and do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 a longitudinal section, of a shuttle provided with my invention.

As shuttles for weaving duck are generally constructed, the sides of their bobbin-chambers are so smooth that the heavy weft, while being rapidly drawn off the bobbin in the process of weaving, is liable by the centrifugal force generated in it, to run off too freely, and snarl, knot, or kink, particularly at the times when the shuttle is arrested in its flight. In consequence of this it occasionally happens that a considerable waste or loss of weft and stoppage of the loom result, all of which it is the object of my invention to prevent, and I accomplish such by lining the shuttle-

chamber with cloth or other material, such as, when the weft is being thrown off too fast, will arrest it by friction sufficient to prevent the kinking, snarling, or knotting of it.

In the drawings, A denotes the shuttle, B the bobbin, C the bobbin chamber, and D the cloth lining, which I usually arrange on opposite sides and at the front end of the said chamber, or, in fact, wherever therein such may be advantageously employed for the purpose as mentioned, the lining being secured in place by cement or tacks.

Practice has demonstrated the great utility and advantage of the friction-lining when used as specified.

What I claim is—

A loom-shuttle, A, provided with a cloth or friction lining, D, arranged in its bobbin-chamber, substantially as and for the purpose set forth.

WALTER L. GILBERT.

Witnesses:

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