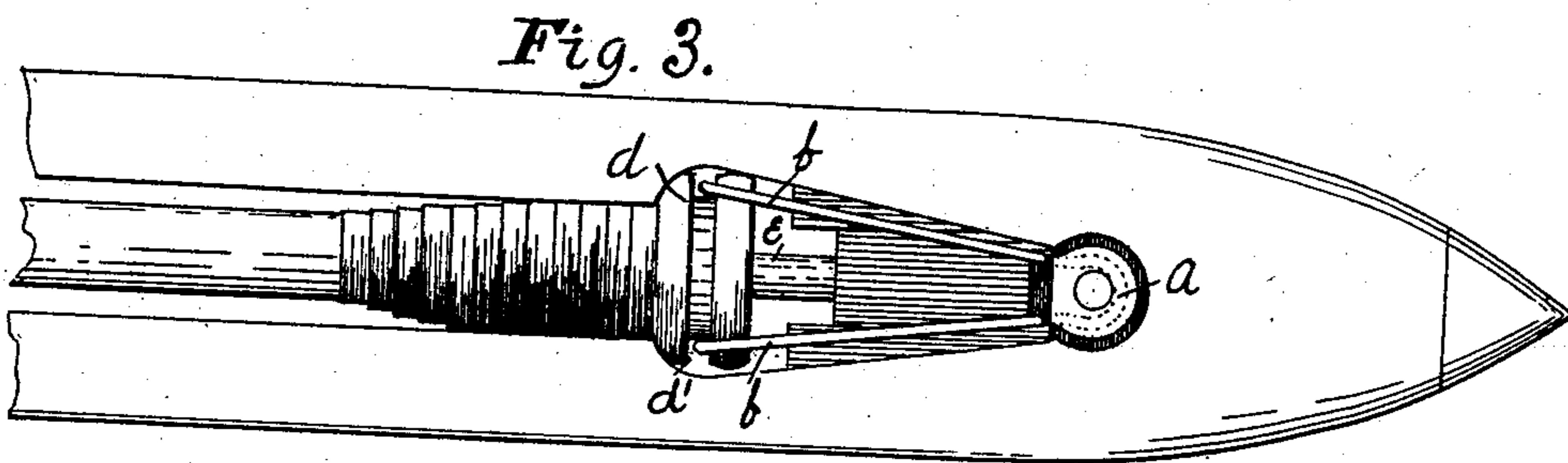
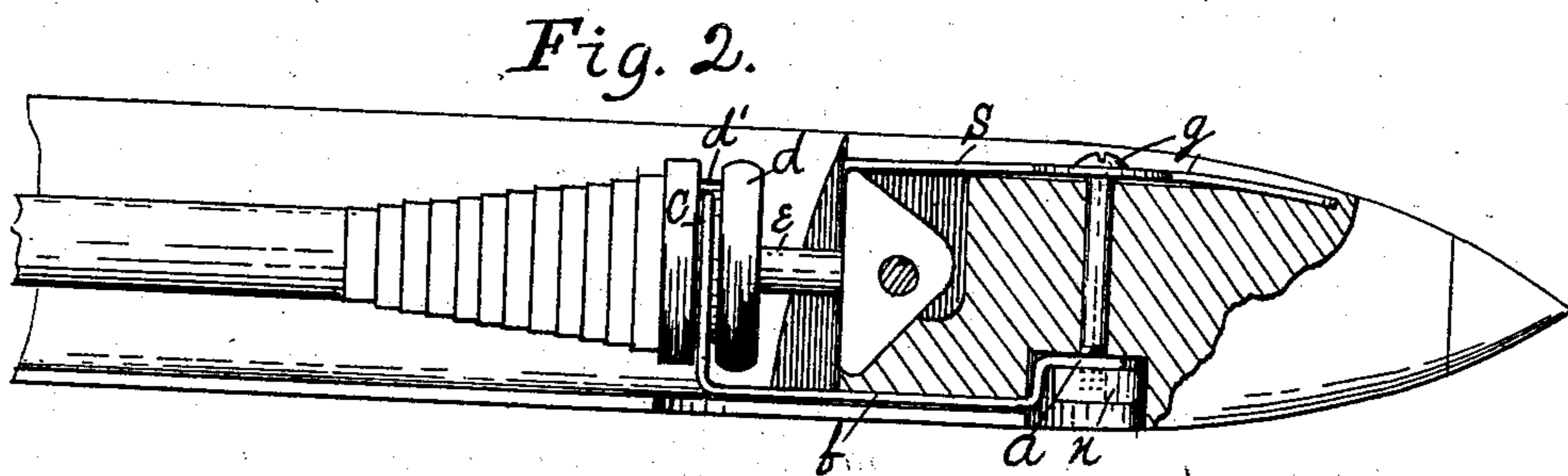
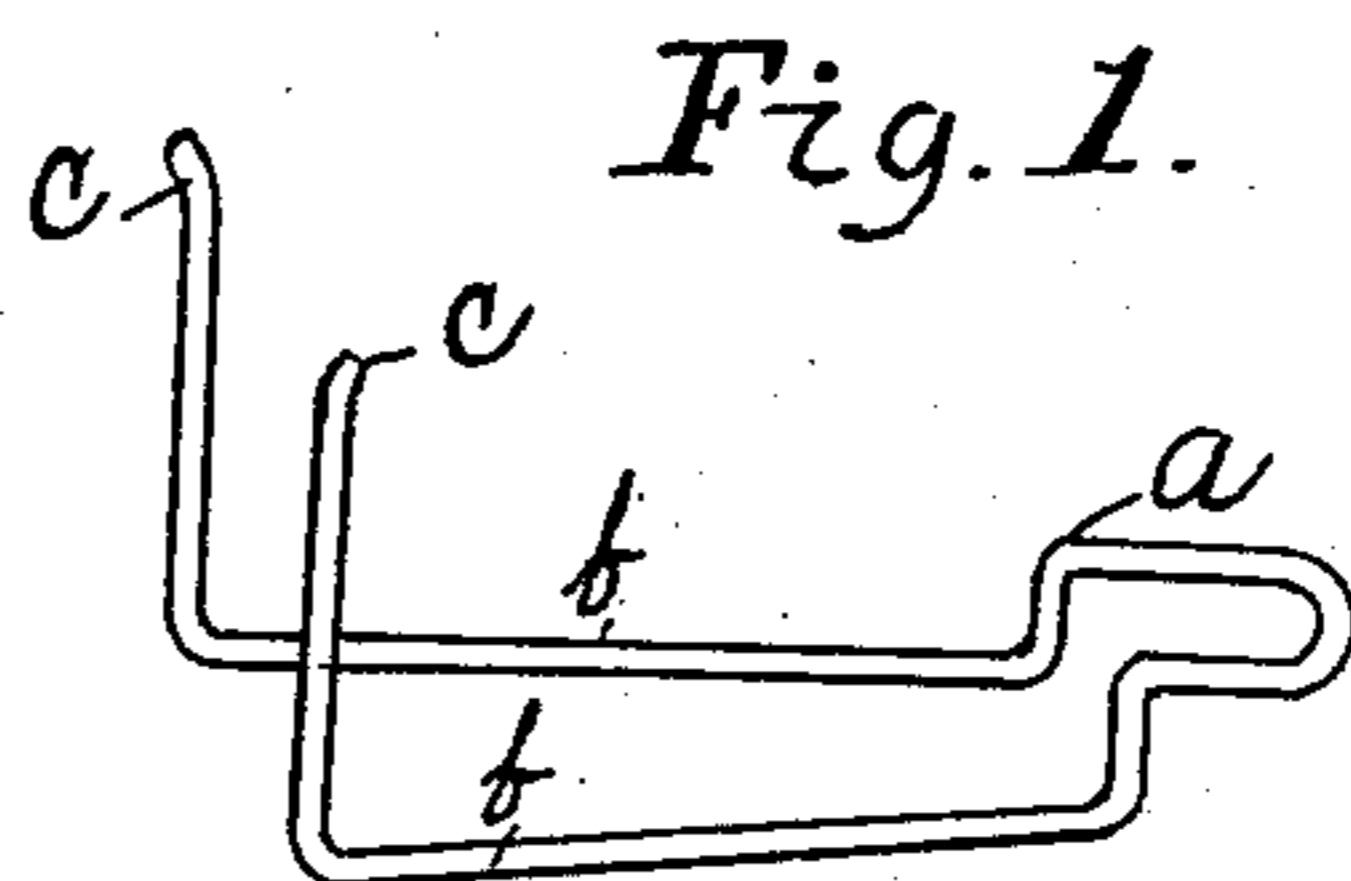


No. 889,381.

PATENTED JUNE 2, 1908.

O. LANDRY.  
LOOM SHUTTLE.  
APPLICATION FILED OCT. 10, 1906.



Witnesses  
J. P. Smith  
C. W. Lapham

Inventor  
Onesime Landry.  
by Henry W. Mason.  
Atty.

# UNITED STATES PATENT OFFICE.

ONESIME LANDRY, OF NEW BEDFORD, MASSACHUSETTS.

## LOOM-SHUTTLE.

No. 889,381.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed October 10, 1906. Serial No. 338,219.

*To all whom it may concern:*

Be it known that I, ONESIME LANDRY, a citizen of the United States, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Loom-Shuttles, of which the following is a specification.

My invention relates to improvements in loom shuttles in which means are provided for holding a bobbin on the spindle of the shuttle during the operation of weaving; and the objects of my improvement are to provide improved means whereby said bobbin is more securely held; and which means will also hold bobbins of varying dimensions on said spindle. I attain these objects by means of the device illustrated in the accompanying drawing, in which

Figure 1. is a view in perspective of my improved bobbin holder; Fig. 2. is a side view of a portion of a shuttle having a part of its side broken away so as to clearly show the application and operation of my improved bobbin holder; and Fig. 3. is a bottom view of a shuttle provided with my improvement and showing a method of securing the same to the body of the shuttle.

Similar letters refer to similar parts in the several views.

The letter *a*, represents my improved bobbin holder consisting of a piece of spring wire of suitable length, bent into the form as shown in Fig. 1. having arms *b*, *b*, and uprights *c*, *c*.

Figs. 2. and 3. represent a portion of a shuttle, having the spindle *e*; controlling spring *s*; screw bolt *g*, and nut *n*, all in the usual manner.

The device *a*, is secured to the body of the shuttle by means of the bolt *g*, and nut *n*, as is clearly shown in Figs. 2. and 3. The spring arms *b*, *b*, project forward a suitable

distance, and are adapted to embrace the exterior annular groove *d'*, in the bobbin *d*, by being turned upward as at *c*, *c*.

It is obvious, that by means of the spring arms *b*, *b*, which cause the uprights *c*, *c*, to closely embrace the groove *d'*, in the bobbin *d*, the smallest as well as the largest bobbin which the shuttle will accommodate, will be held with equal security by the bobbin holder shown and described herein. It is also obvious, that if only one size of bobbin were to be used in the shuttle, the arms *b*, *b*, might be rigid, and still hold the bobbin securely between the two uprights *c*, *c*.

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

In a loom shuttle, the combination with the body of the shuttle having a recess for the bobbin and its spindle and also having a recess in its bottom, said spindle having a head at its inner end; of a locking device for coöperation with the head of the spindle to hold the latter in operative position, said device being composed of a single piece of material and at one end engaging the head of the bobbin with its opposite end formed to lie in the recess in the bottom of the shuttle body; a spring engaging the head of the spindle; a bolt passed through said spring and the shuttle body and terminating in the recess in the bottom of the latter; and a nut disposed in said recess for coöperation with said bolt to secure the spring and said device against displacement.

In testimony whereof I have hereunto signed my name to this specification, in the presence of two subscribing witnesses.

ONESIME LANDRY.

Witnesses:

JULIA A. BEAUVAIS,  
FRANK M. SPARROW