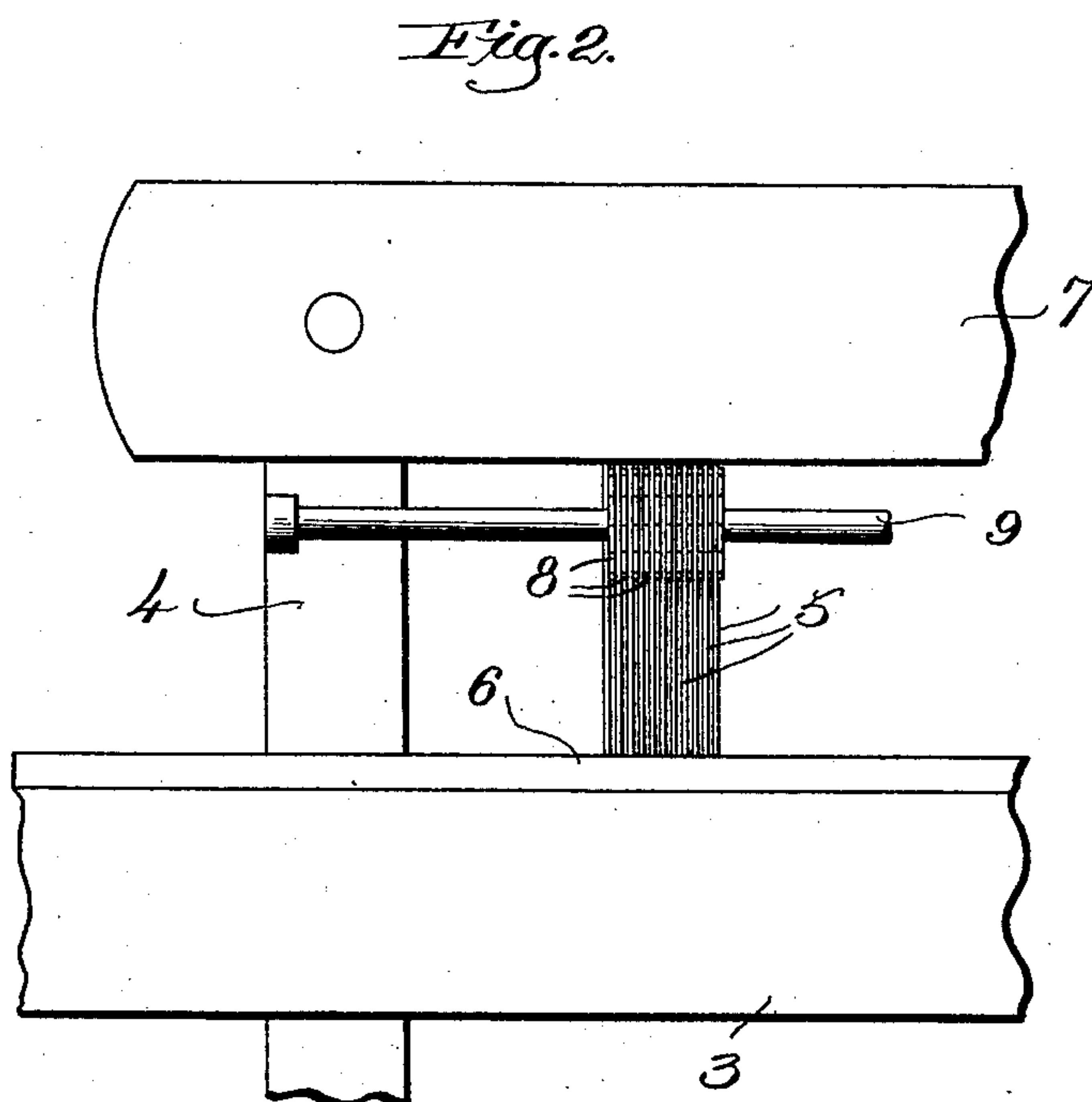
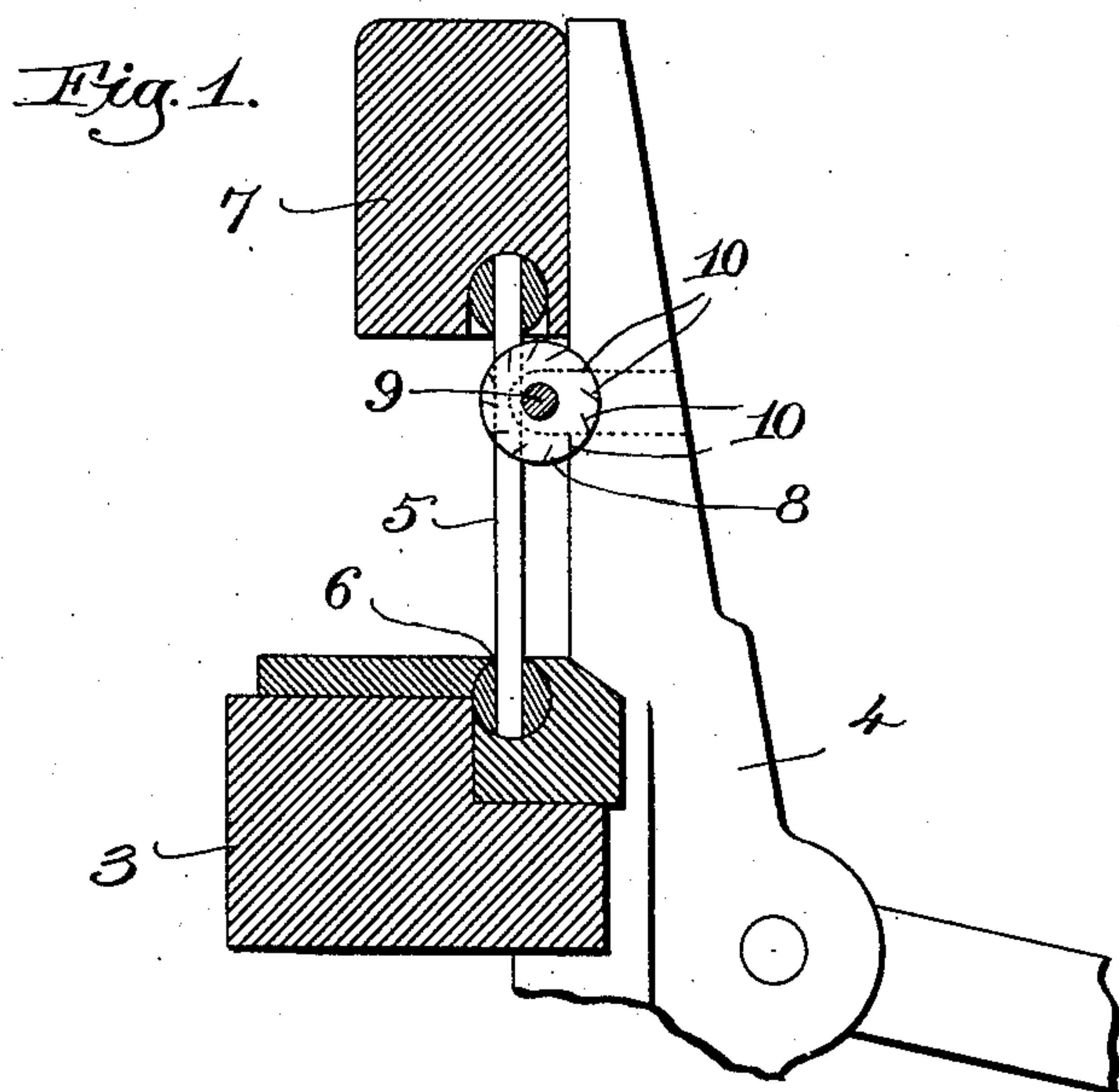


H. CÔTÉ & R. C. SNOW.  
 DEVICE FOR THREADING LOOM REEDS.  
 APPLICATION FILED JULY 24, 1908.

915,336.

Patented Mar. 16, 1909.



*Witnesses.*  
*Thomas Drummond.*  
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*by Lewis J. May.*



# UNITED STATES PATENT OFFICE.

HENRY CÔTÉ, OF WEST WARREN, AND RENCELER C. SNOW, OF WARE, MASSACHUSETTS.

## DEVICE FOR THREADING LOOM-REEDS.

No. 915,336.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed July 24, 1908. Serial No. 445,220.

*To all whom it may concern:*

Be it known that we, HENRY CÔTÉ, a citizen of the United States, residing at West Warren, county of Worcester, State of Massachusetts, and RENCELER C. SNOW, a citizen of the United States, residing at Ware, county of Hampshire, State of Massachusetts, have invented an Improvement in Devices for Threading Up Loom - Reed, of which the following description, in connection with the accompanying drawing, is a specification, like numerals on the drawing representing like parts.

This invention has for its object to provide a novel device for quickly and automatically drawing the warp threads through the reed of a loom.

Warp threads are now commonly drawn through the spaces between the dents of a loom reed by means of a reed hook, the operator taking such an implement, inserting it through the space between the two dents where the thread is to be drawn, and causing the hooked end thereof to be engaged by the warp thread and then withdrawing the hook thereby to draw the thread through said space. This is a rather tedious operation and the object of our invention is to provide a novel device for drawing the warp threads through the reed, which device is permanently associated with the reed.

In the drawings we have shown one simple device for accomplishing this object, although we wish it understood that the drawings show only a selected embodiment of the invention.

Figure 1 is a section through a reed showing one form of our improved threading device mounted thereon; Fig. 2 is a front view of a portion of a reed embodying our invention.

The parts which are old and common and form no part of our present invention are the lay 3 which is mounted on the lay-swords 4 in usual manner, the reed 6 having the usual dents 5, and the hand rail 7 to which the upper edge of the reed is secured.

Our invention consists in associating with the reed a movable device adapted by its movement to carry a warp thread through a space between two dents of the reed. This movable device may be made in a variety of ways and may be made to operate with either an oscillating or a rotary movement.

In the preferred embodiment of our invention the device consists of a plurality of ro-

tary disks 8 which are situated to be partially received within the space between the dents 5 of the reed 6, as shown best in Fig. 1. These disks are shown as mounted on a rod 9 which extends across the loom from one lay sword to the other and is located directly back of the reed, and the disks are of a size to project through the reed on the front side thereof. Each disk is capable of independent rotation on the rod and is provided with one or more thread-receiving slits 10 which are preferably arranged at a slight angle to the radial.

In using our device if it is desired to draw a warp thread through any space of the reed, the thread is put into one of the slits 10 in the threading disk which occupies the said space, and then said disk is turned thereby to carry the slit having the thread therein through the space onto the front side of the reed. If it is desired to draw a plurality of warp threads through the reed the warp threads are placed in the slits of the proper threading disks and then all the said disks may be turned thereby drawing all the threads through the reed at one turning operation.

Our device is very simple, can be easily applied to any reed and greatly facilitates the operation of drawing the warp threads through the reed. It will be understood, of course, that the spaces between the dents of the reed will be of sufficient length so that the shed can be completely opened.

We believe we are the first to provide any device permanently associated with the reed which by its movement is adapted to draw a warp thread through the reed, and we desire to claim this feature broadly. The preferred embodiment of our invention is one wherein the threading devices are in the form of disks, but this shape is not essential and may be varied without departing from the invention.

Having fully described our invention, what we claim as new and desire to secure by Letters Patent is:—

1. In a loom, the combination with a reed and means to sustain the latter for proper movement to beat up the weft, of a threading device for drawing the warp threads through the reed permanently associated with the reed and movable therewith.

2. In a loom, the combination with a reed and means to sustain the reed for proper movement to beat up a weft, of a movable threading device associated with the reed and movable therewith, said threading device

being also capable of movement relative to the reed for drawing warp threads there-through.

3. In a loom, the combination with a lay  
5 and a reed, of a threading device for drawing warp threads through the reed permanently associated with the reed and movable with the lay.

4. In a loom, the combination with a reed,  
10 of a plurality of threading elements associated therewith and adapted to enter the space between the dents of the reed, each threading

element having means to engage a warp thread to draw the latter between the dents of the reed.

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In testimony whereof, we have signed our names to this specification, in the presence of two subscribing witnesses.

HENRY CÔTÉ,  
RENCELER C. SNOW.

Witnesses:

LOUIS C. SMITH,  
THOMAS J. DRUMMOND.