No. 763,050. PATENTED JUNE 21, 1904.

W. W. DINWIDDIE.

LOOM FOR BEADWORK.

APPLICATION FILED APR. 4, 1904.

NO MODEL.

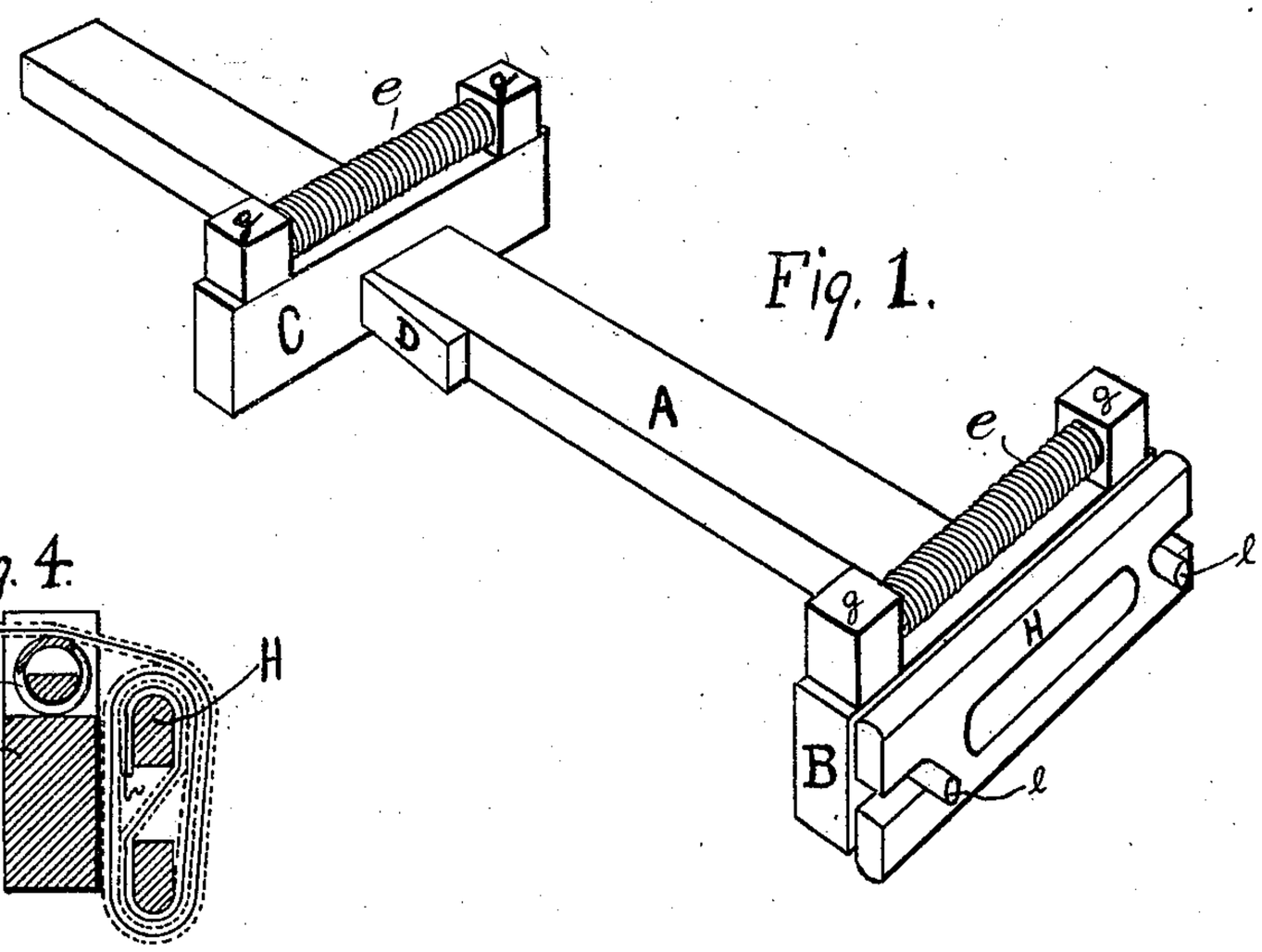


Fig. 1.

Fig. 4.

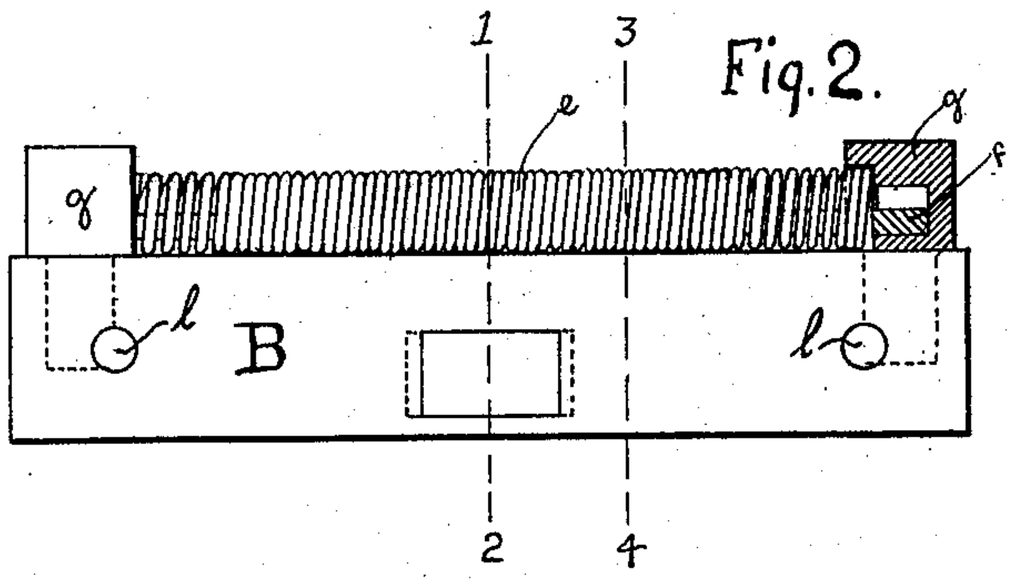


Fig. 2.

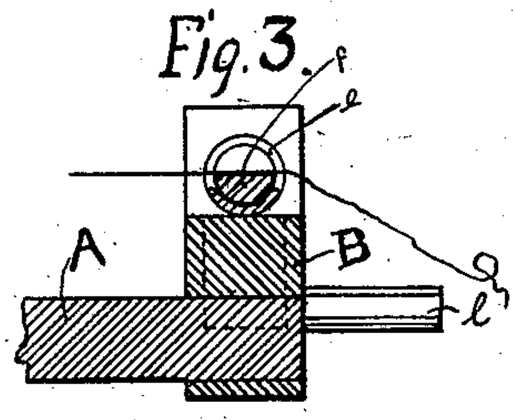
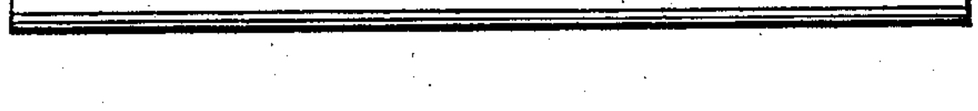


Fig. 3.

Fig. 5.



Witnesses.

Pauline Casey Wright.

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No. 763,050. Patented June 21, 1904.

UNITED STATES PATENT OFFICE.

WILLIAM WALTER DINWIDDIE, OF CHARLOTTESVILLE, VIRGINIA.

LOOM FOR BEADWORK.

SPECIFICATION forming part of Letters Patent No. 763,050, dated June 21, 1904.

Application filed April 4, 1904. Serial No. 201,621. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM WALTER DINWIDDIE, a citizen of the United States, residing at Charlottesville, in the county of Albemarle and State of Virginia, have invented certain new and useful Improvements in Looms for Beadwork, of which the following is a description, reference being had to the accompanying drawings, which form a part of this specification.

My invention has relation to improvements in looms for beadwork.

The objects of my invention are to provide a convenient form of frame upon which the longitudinal threads may be stretched and held in position and to provide a simple device for taking up the finished work. I attain these objects by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective showing the general form of the complete loom. Fig. 2 is a detailed view of one of the end pieces. Fig. 3 is a section along the line 1 2, Fig. 2. Fig. 4 is a section along the line 3 4, Fig. 2, and shows the reel for taking up the finished work in addition to this section of Fig. 2. Fig. 5 is a side view of the reel for taking up the finished work.

The frame consists of a longitudinal bar A, Fig. 1, upon one end of which one of the end pieces of the frame B is fixed at right angles, while the other end piece, C, slides upon the bar A, parallel to the end piece B, and may be fastened at any point by the wedge D. Each of the end pieces is provided with a holder for the threads, as illustrated in Fig. 2, in which *e* is a wire spiral through which is placed a rod *f* of semicircular section. This rod is provided with heads *g g* to limit the extension of the spiral and to hold both rod and spiral to the frame. The wire spiral is coiled tightly through the greater part of its length; but several turns near each end are separated sufficiently to allow enough extension of the spiral to admit a thread in each space between the coils. The longitudinal threads of the beadwork are placed between the coils of the spiral and forced down to the flat side of the rod *f*. This may be most easily done by inserting the finger-nail between the coils of the spiral and drawing the thread taut. When the required number of threads have been placed in position, the spiral is made to clamp the threads firmly by inserting twine or coarse thread between the coils near the ends of the spiral. The object of the half-round rod *f* is to keep the spiral straight and to serve as a stop for the threads, so that they may be brought into the same plane near the center of the spiral. The wire of which the spiral is made may be ordinary round wire or may be flattened, so that more surface is presented to the threads, thus making it possible to clamp the threads more tightly without danger of breaking them. The end piece B is further provided with a reel H, Fig. 5, to take up the finished work. This reel is a board having a central slot *j* and a notch at each end *k k*. The notches fit over the pins or pegs *l l*, which project from the end piece B. The end of the work is passed through the slot *j* and wound around the reel, as shown in Fig. 4.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination in a loom for beadwork, of a suitable frame, and two closely-coiled spirals supported at opposite ends thereof, and adapted to grip the warp-threads between the coils, substantially as described.

2. The combination in a loom for beadwork, of a suitable frame, and two closely-coiled spirals supported at opposite ends thereof, and adapted to grip the warp-threads between the coils, and means for taking up the finished work, substantially as described.

3. In a loom for beadwork, the combination of a suitable frame, means for supporting and spacing the warp-threads at opposite ends thereof, a flattened reel for taking up the finished work, and means for attaching the same to the frame, substantially as described.

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

W. WALTER DINWIDDIE.

Witnesses:
PAULINE CASEY WRIGHT,
CHAS. R. THURMAN.