

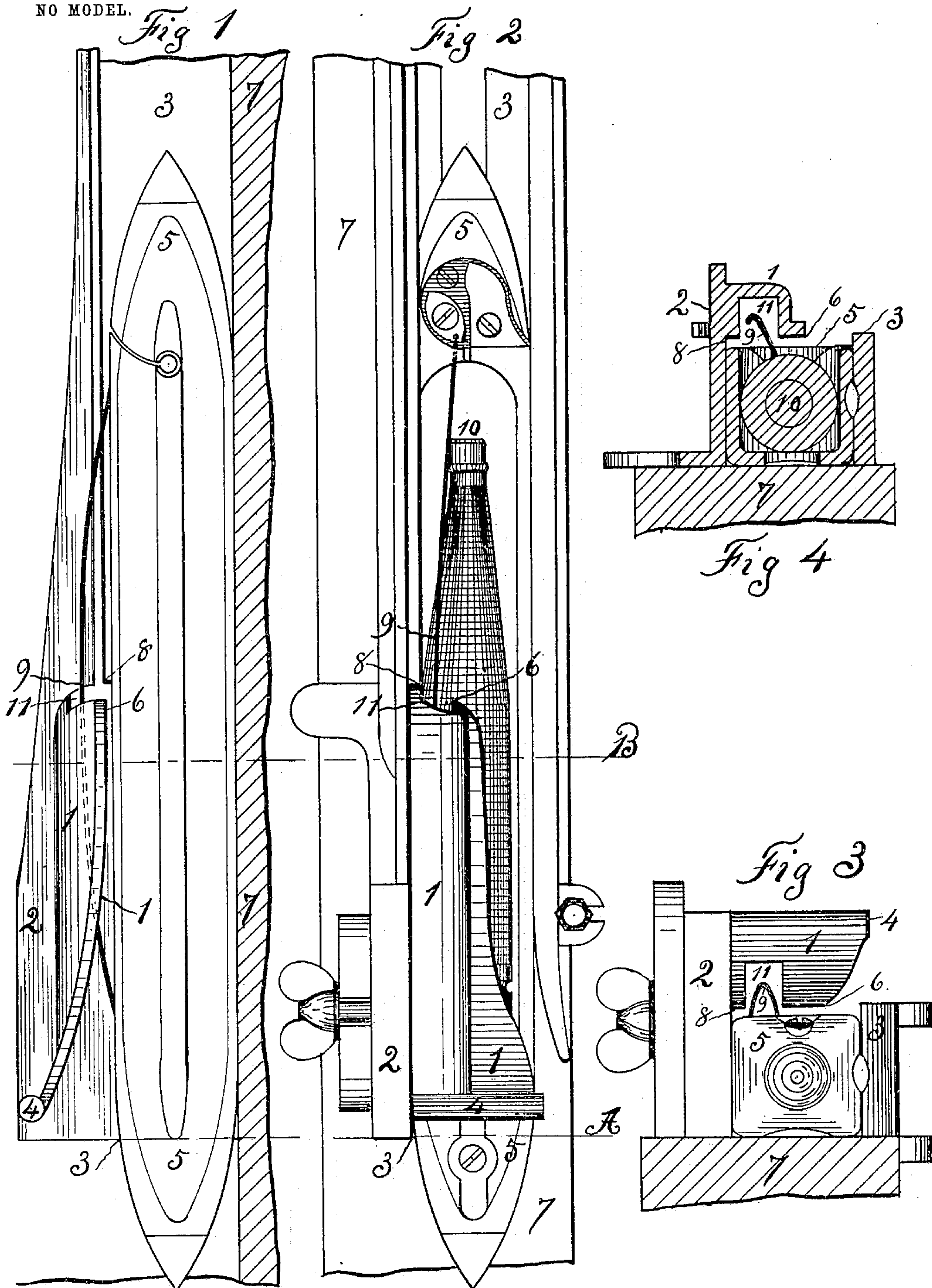
No. 758,784.

PATENTED MAY 3, 1904.

C. E. SACKETT.
LOOM SHUTTLE BOX.

APPLICATION FILED JULY 8, 1903.

NO MODEL.



WITNESSES

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LOOM-SHUTTLE BOX.

SPECIFICATION forming part of Letters Patent No. 758,784, dated May 3, 1904.

Application filed July 8, 1903. Serial No. 164,639. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. SACKETT, a citizen of the United States, residing at Fall River, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Loom-Shuttle Boxes, of which the following is a specification.

The object this invention is primarily an improvement coöperating with the loom-shuttle for which I have made application for Letters Patent, Serial No. 151,223, filed April 6, 1903.

It consists in longitudinally recessing the curved cover-plate at the entrance end of a loom-shuttle box, so as to give free entrance to any necessary device operating above the plane face of the shuttle, while guiding the shuttle into its usual position.

In the accompanying drawings, Figure 1 is a side view of the recessed end of the shuttle-box cover-plate, the front side of the box being removed to show the shuttle in position. Fig. 2 is a plan view of the same. Fig. 3 is an entrance end view on the dotted line A through Figs. 1 and 2. Fig. 4 is a cross-section on the dotted line B through Figs. 1 and 2.

In all the figures like numerals refer to like parts.

The cover-plate 1 of a loom-shuttle box is practically a right-angle flange, projecting from the back plate 2 for a short distance over the entrance end of the box 3. It starts from a rounded end 4, projecting from the back plate at some distance above the shuttle 5, as shown, and then curves downward to near the top face of the shuttle, as at 6. This curved section acts as a deflecting striking-plate, against which the shuttle impinges in its flight across the lay 7, and serves to depress and guide it into the box when it shows

a tendency to rise. The cover-plate is curved back horizontally to its junction with the back plate at 8, as seen in Fig. 2. It is obvious that anything projecting above the face of the shuttle must needs strike this plate. In the shuttle shown in all the figures there is a device 9 projecting above the shuttle-face for parting the weft-thread as it runs off the bobbin 10 whenever it is depressed by a float in the warp-shed. It is obvious this device could not pass under the ordinary shuttle-box cover-plate without striking it, and thus stop the loom. To make it or any similar device operative, I construct an open recess 11 in the under side of the cover-plate longitudinally parallel with the lay of the shuttle and of sufficient width, height, and length to give free passage to the device 9 as it passes through it.

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

1. In a loom-shuttle box the combination with the bottom and sides of the box, of a top covering-plate having a longitudinal recess therein, opening toward the bottom of the shuttle-box, and running substantially parallel with the sides of the box, as described and shown.

2. In a loom-shuttle box the combination with the box, of a top covering-plate, recessed to give free passage to a device projecting above the shuttle-face, and registering with said recess, substantially as described and shown.

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

CHAS. E. SACKETT.

Witnesses:

BRONSON S. BURR,
THOMAS D. TORNEY.