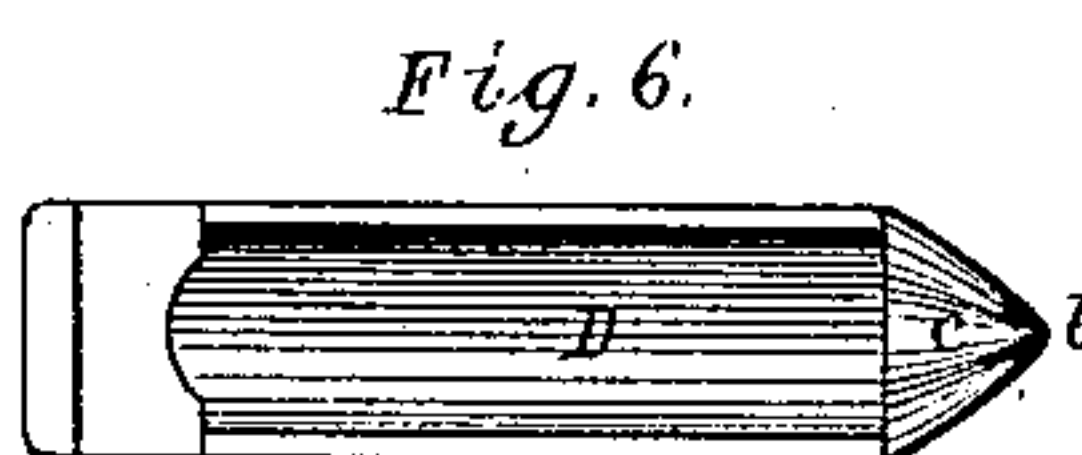
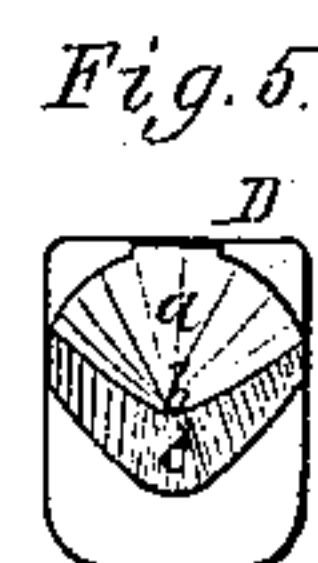
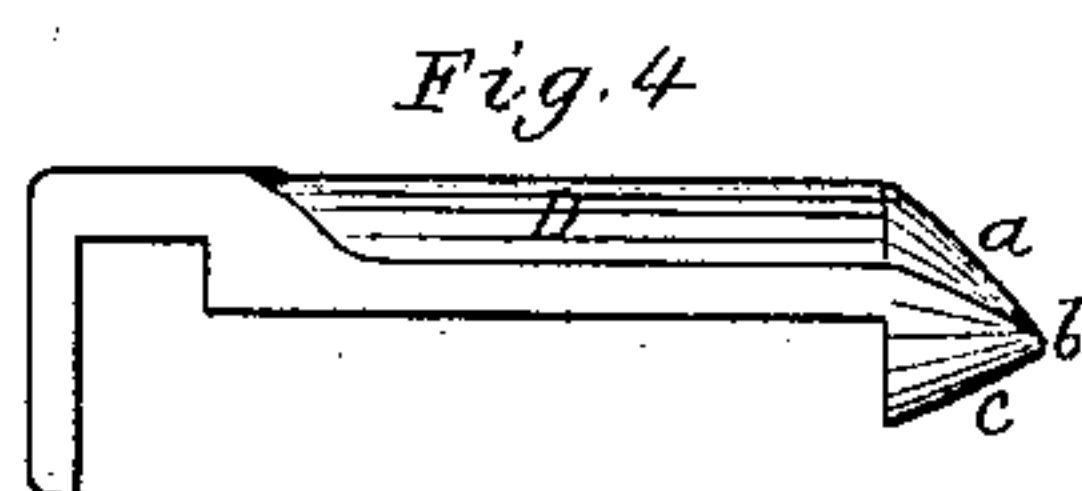
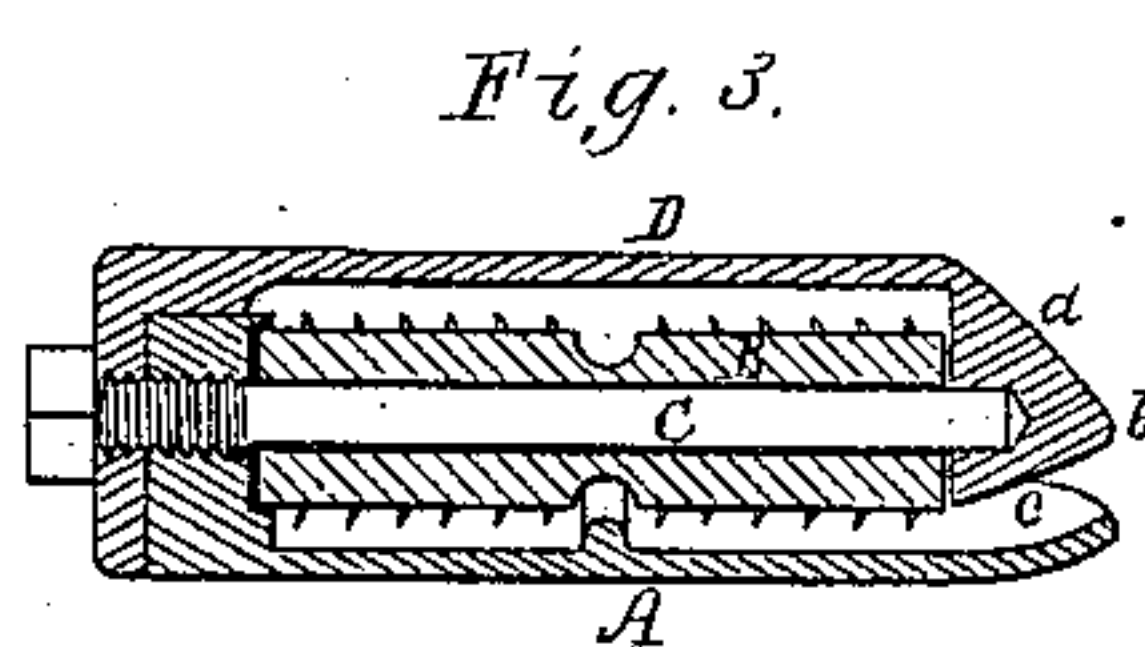
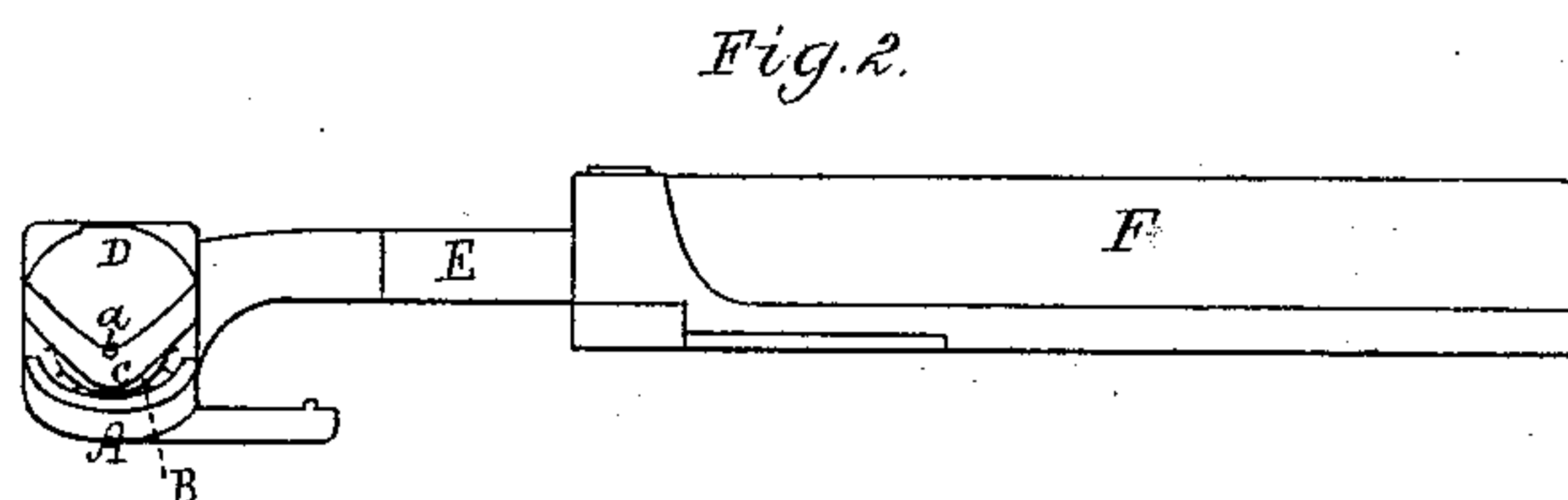
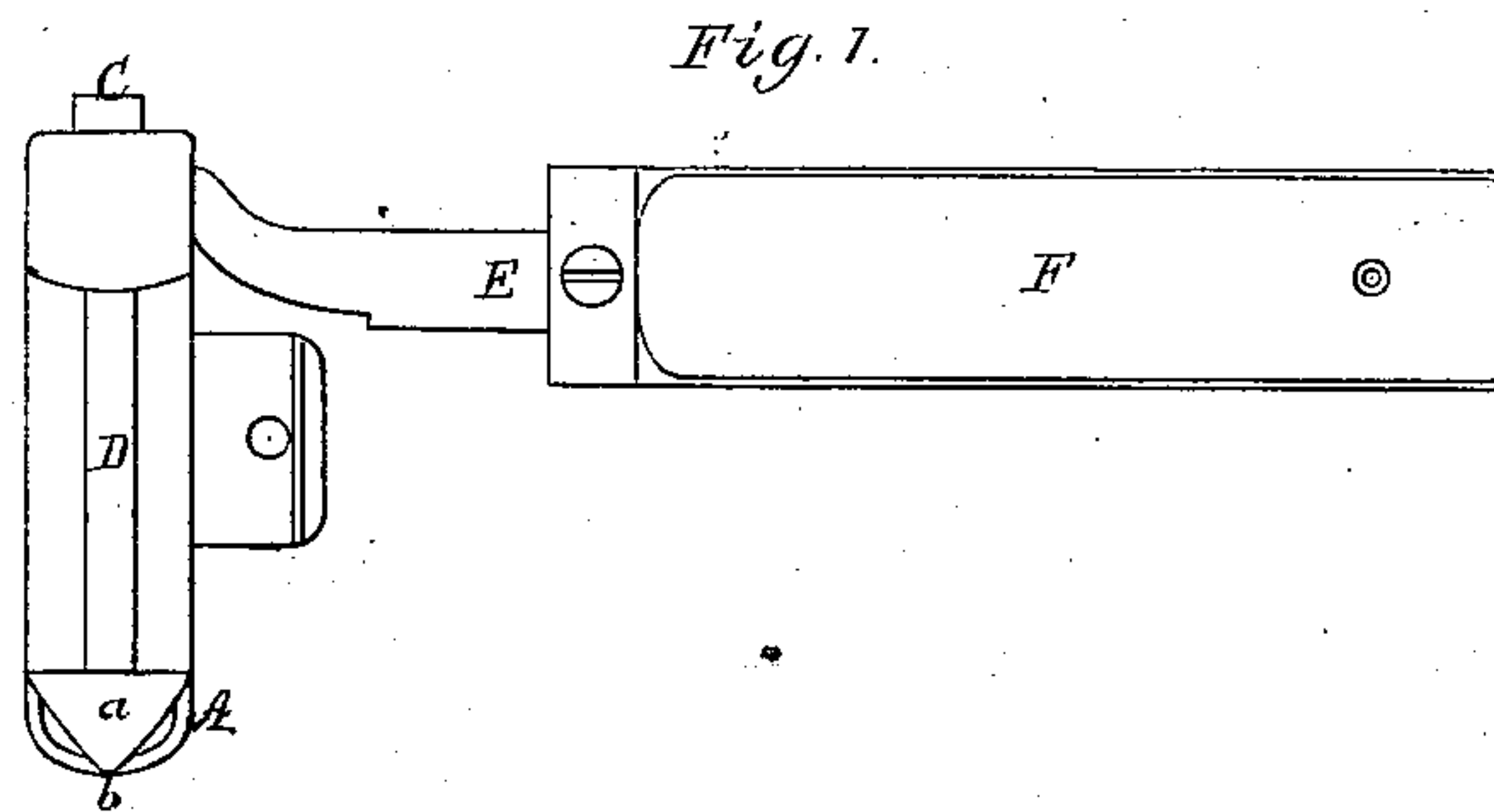


A. D. FULLER.
Loom-Temple.

No. 159,255.

Patented Feb. 2, 1875.



Witnesses
S. W. Piper
L. H. Allen

Albert D. Fuller.
by his attorney.
R. M. Eddy

UNITED STATES PATENT OFFICE.

ALBERT D. FULLER, OF CHICOPEE, ASSIGNOR TO THE DUTCHER TEMPLE COMPANY, OF HOPEDALE, MASSACHUSETTS.

IMPROVEMENT IN LOOM-TEMPLES.

Specification forming part of Letters Patent No. **159,255**, dated February 2, 1875; application filed December 19, 1874.

To all whom it may concern:

Be it known that I, ALBERT D. FULLER, of Chicopee, of the county of Hampden and State of Massachusetts, have invented a new and useful Improvement in Temples for Looms; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 an inner side elevation, of one my improved temples. Fig. 3 is a transverse section, taken longitudinally through the axis of the toothed roller. Fig. 4 is a side view, and Fig. 5 a front end view, and Fig. 6 a bottom view, of the cap or cover of the roller and its trough.

My invention is an improvement in the well-known "Dutcher temple," and consists in the trough-cap, provided with a duplex or shuttle-deflecting and cloth-guiding nose, or with an inclined short guide, all as hereinafter explained and as shown in the drawings, in which—

A denotes the trough, B the rotary toothed roller or cylinder, C the pivot-pin of the roller, and D the cap or cover of the said roller and trough. E is the trough support-shank, and F its case.

In carrying out my invention, as shown in the drawings, I make that end of the cap D which is next adjacent to the open or cloth receiving end of the trough A with a sectoral inclined surface or conoidal inclination, *a*, extending from the upper rounded surface of the cap downward, in manner as shown, to a point

or apex, *b*, and in conjunction with the inclination *a* I form the nose with an inclination or cloth-guide surface, *c*, extending downward and inward from the apex and lateral edges of the inclination *a*, in manner as shown. The inclined and arched surface *c* is to guide the edge of the cloth into the temple-trough, while the cloth may be in the act of being introduced therein, the conoidal inclination *a* being to sheer off the nose of a shuttle, when thrown violently against the end of the cap. It occasionally happens that a shuttle, while in flight, becomes deflected out of its true course and ejected against the end of the cap of the temple-trough, in which case the cap is liable to be defaced or broken. With my improvement the liability of such danger is greatly lessened, if not entirely overcome. The cloth is very much more readily introduced into the trough by means of the arched guide *c* than without such.

I claim—

1. In the loom-temple the trough-cap D, provided with the shuttle-deflector *a* and the cloth-guide *c*, arranged therein and with respect to each other, substantially as specified and represented.

2. The trough-cap, provided with the shuttle-deflector *a*, arranged as shown and described.

ALBERT D. FULLER.

Witnesses:

J. F. HURD,
W. W. DUTCHER.