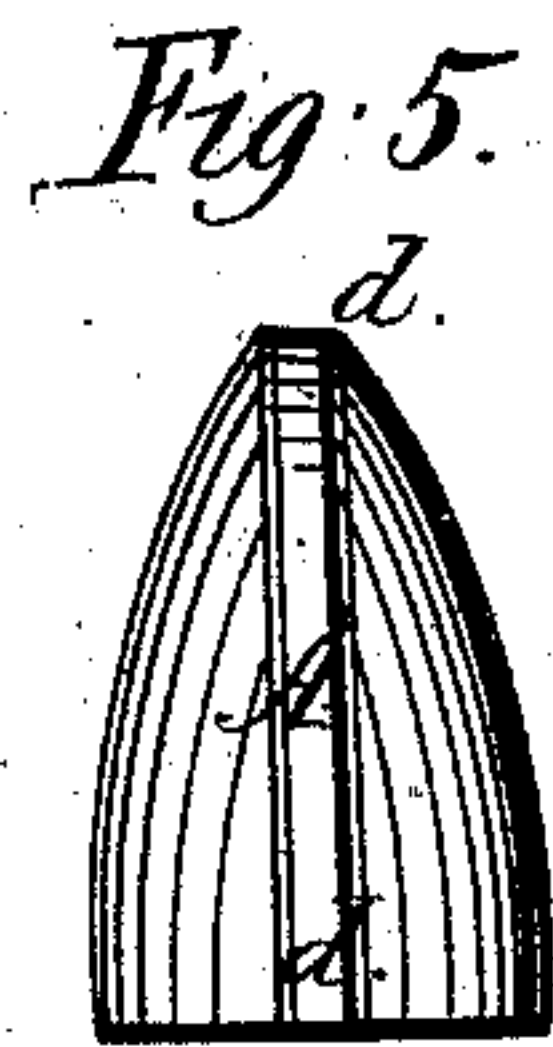
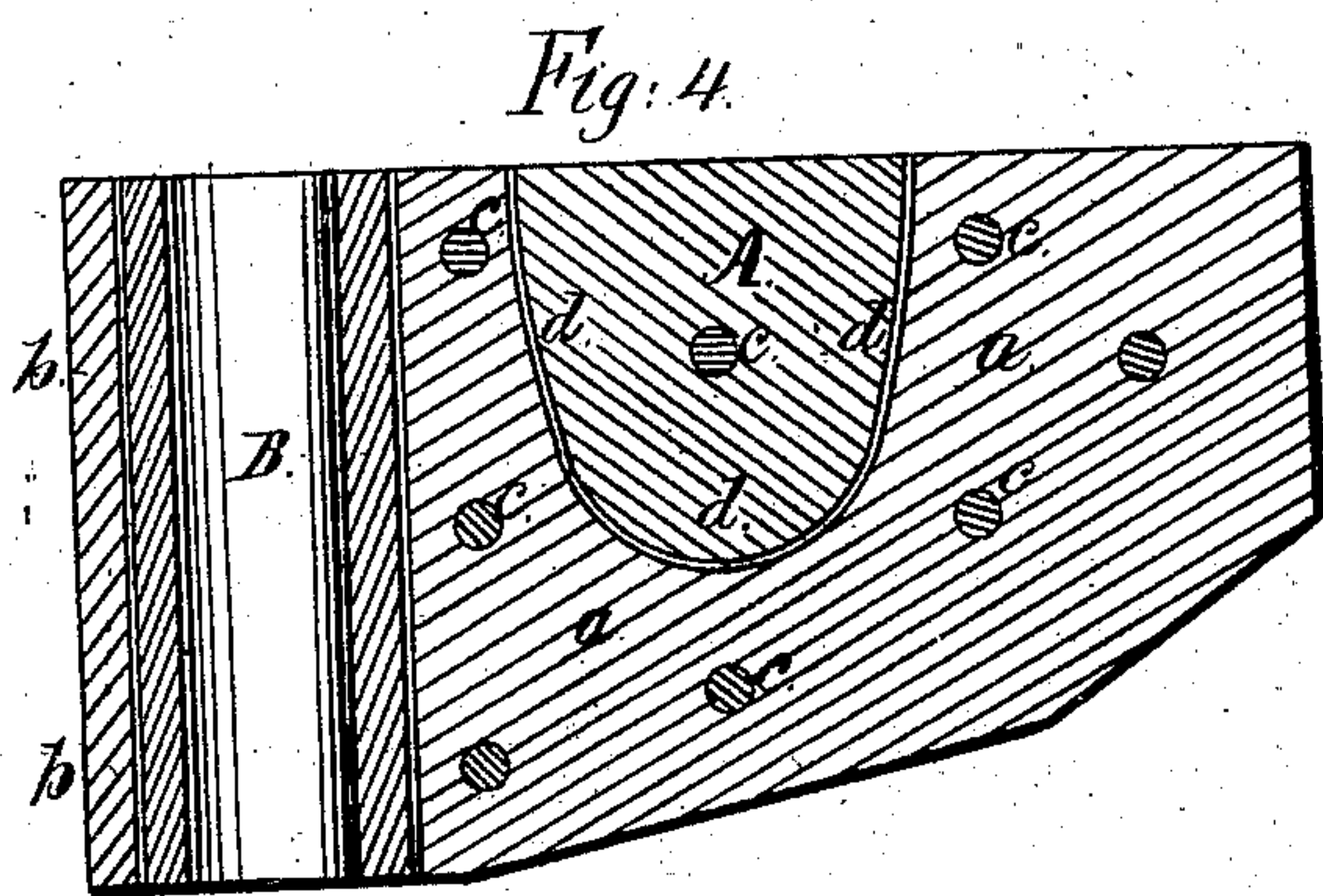
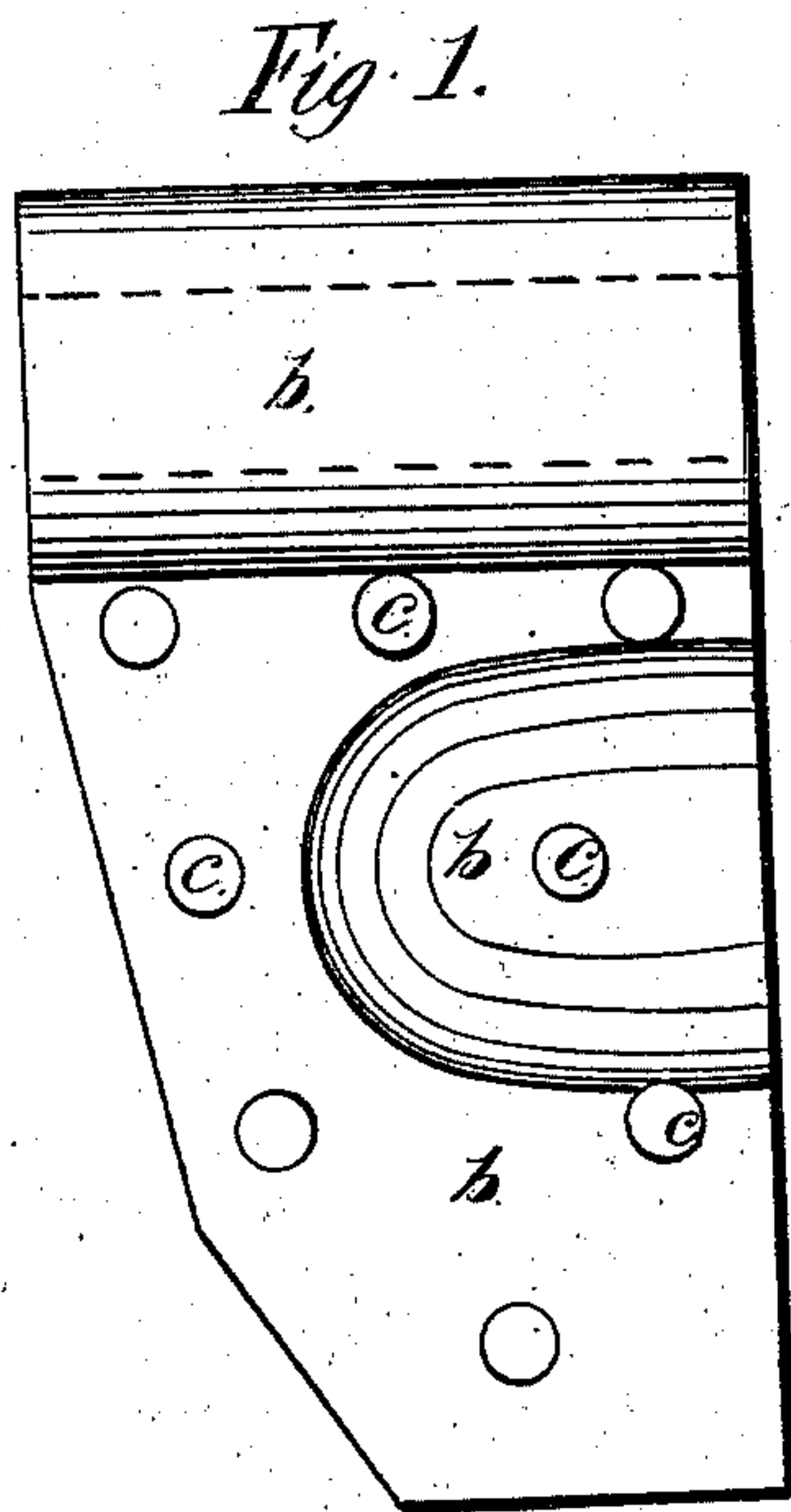
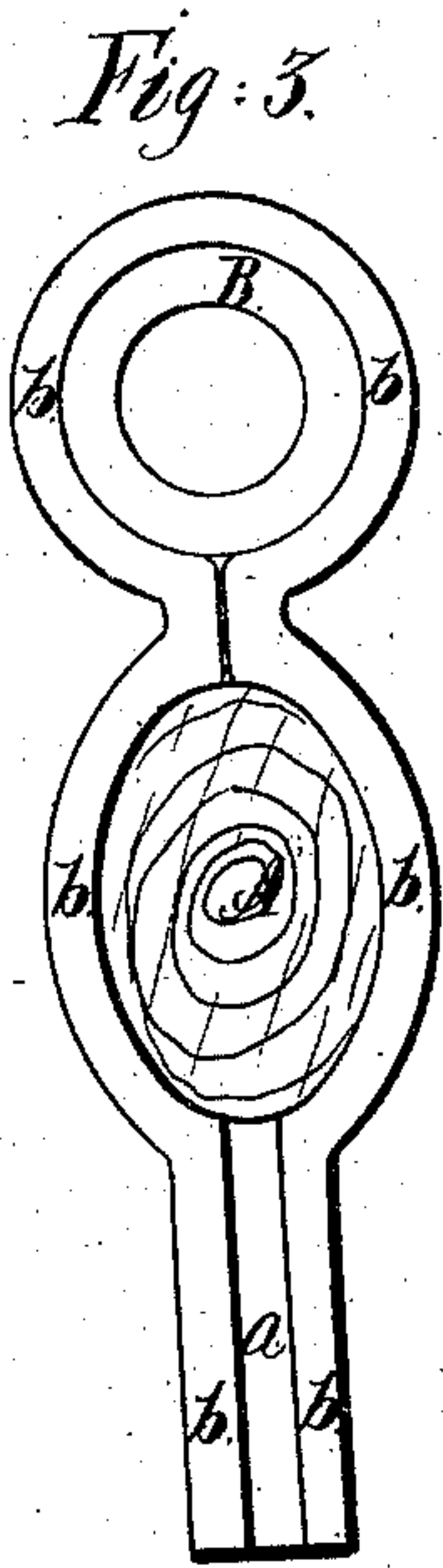
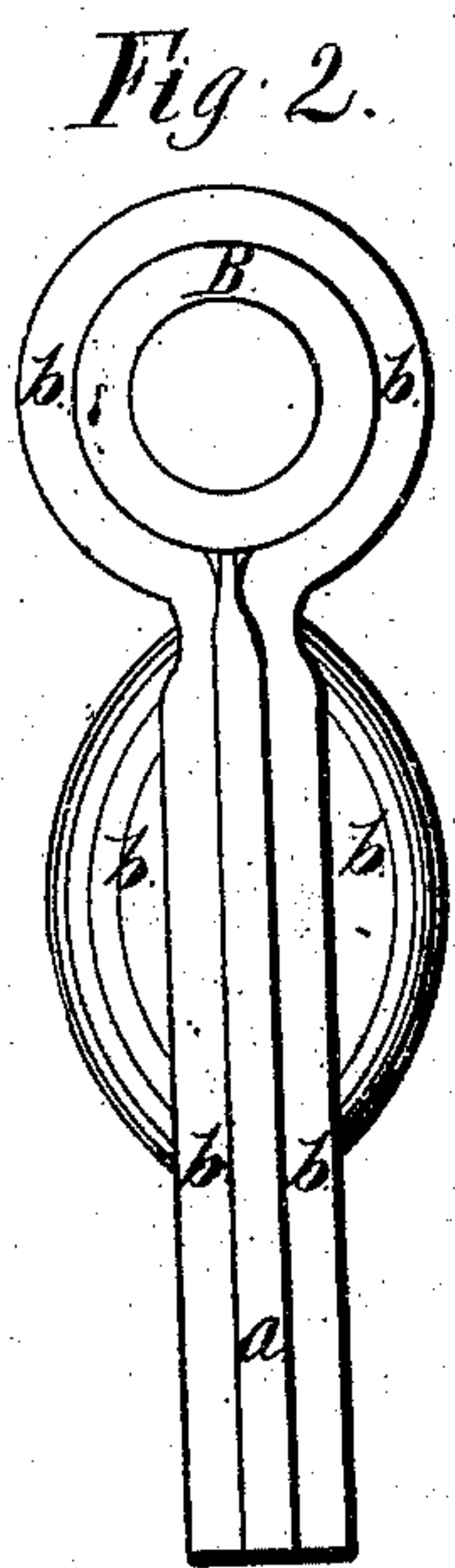


S. BOORN.
MANUFACTURE OF PICKERS FOR LOOMS.
No. 31,948. Patented Apr. 9, 1861.



Witnesses:
O. P. Hale Jr.
W. Levi

Inventor
Samuel Boorn

UNITED STATES PATENT OFFICE.

SAMUEL BOORN, OF LOWELL, MASSACHUSETTS.

PICKER FOR LOOMS.

Specification of Letters Patent No. 31,948, dated April 9, 1861.

To all whom it may concern:

Be it known that I, SAMUEL BOORN, of Lowell, in the county of Middlesex and State of Massachusetts, have invented an Improved Manufacture of Tickers for Looms, and do hereby declare the same to be fully described in the following specification and illustrated in the accompanying drawings, of which—

10 Figure 1 is a side view, Figs. 2 and 3, edge views, and Fig. 4 a longitudinal section of such picker.

15 It is constructed of raw hide, both body and bushing and with a cushion made of horn, the socket for the reception of such cushion being tapering and having its supporting laps brought in close contact at and in rear of the rear end of the cushion, and there confined together by one or more rivets
20 extended through the laps.

In the drawings, A, is the cushion, or part which, while the picker is in use and in operation in a loom is driven against the pointed end or nose of the shuttle in order
25 to force the shuttle out of one of the shuttle boxes and across the lay.

30 B is the bushing which when the picker is in use receives and slides on the rod of the shuttle box. Around this bushing, the cushion A, and a backing piece *a*, of raw hide, arranged together as shown in the drawings,

a sheet *b*, or case of raw hide is made to extend and is connected to the part *a*, and the cushion A, by a series of rivets, *c, c, c*.

A top view of the cushion is given in Fig. 35 5, in order to exhibit the part or shoulder *d*, which rests as shown in Fig. 4, directly against the backing piece *a*, which constitutes a firm support to such cushion and prevents it from being driven backward within
40 the case *b*, in such manner as to split the same open laterally. Thus, by constructing the cushion tapering or in manner described, by combining and arranging with it a backing plate or piece *a*, and a case *b*, (formed as
45 specified) and securing the whole together by rivets arranged substantially as described, a picker is produced, which is not only far superior, but as practice has fully demonstrated will last very much longer than one
50 whose cushion is carried entirely through the case and has no backing.

I therefore claim—

The improved manufacture of raw hide picker, as made with a tapering cushion, a
55 backing plate *a*, and the case *b* arranged and applied together substantially as specified.

SAMUEL BOORN.

Witnesses:

GEORGE GARDNER,
NOAH F. GATES.