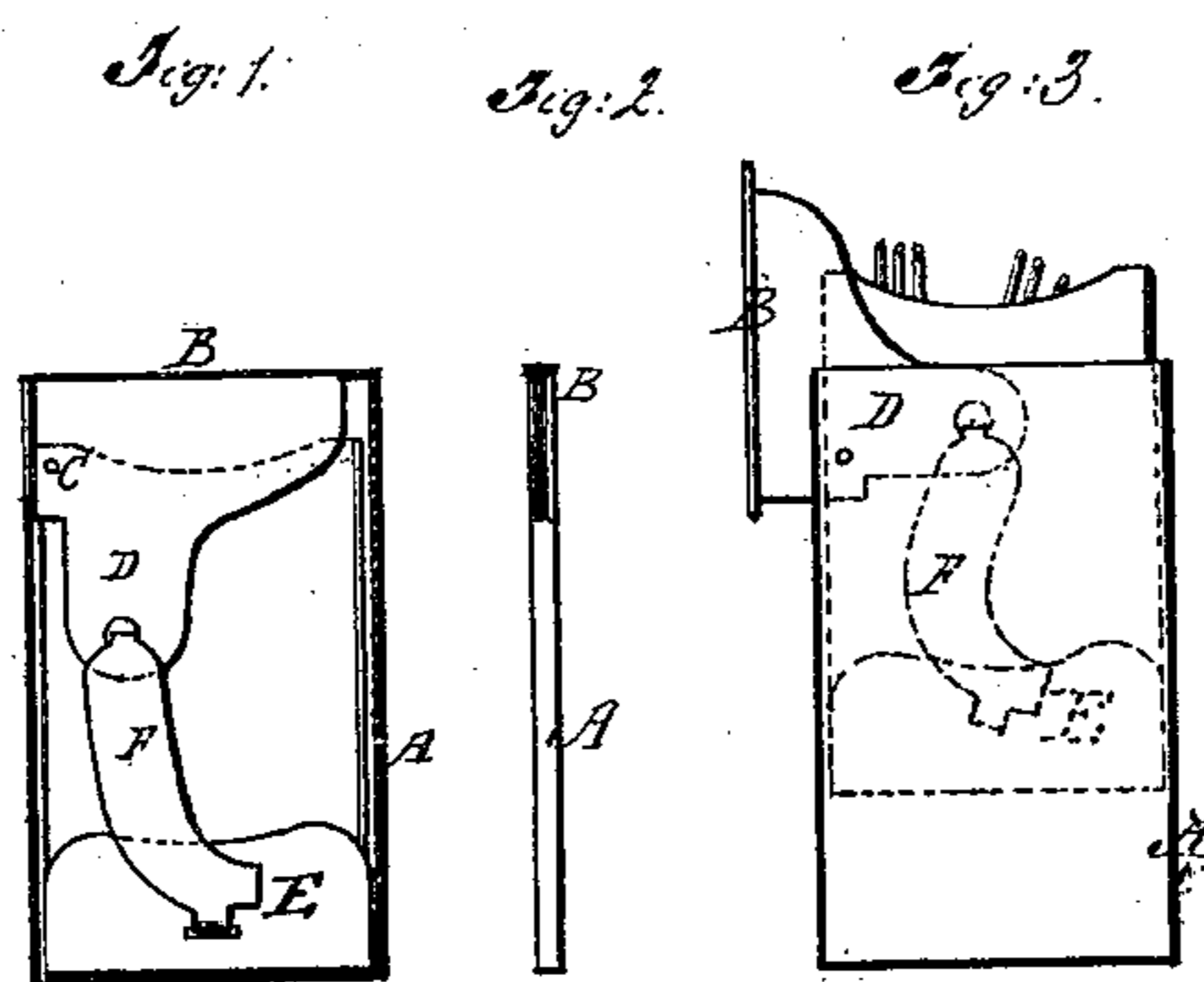


Avery & Fenton,

Needle Case.

No. 102,471.

Patented May 3, 1870.



Witnesses:

Chas. Nield.
L. S. Mabce

Inventor:

Wm. Avery
A. Fenton
PER *Wm. C. [Signature]*
Attorneys.

United States Patent Office.

WILLIAM AVERY AND ALBERT FENTON, OF REDDITCH, ENGLAND, AS-
SIGNORS TO WILLIAM AVERY.

Letters Patent No. 102,471, dated May 3, 1870.

IMPROVEMENT IN NEEDLE-CASES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, WILLIAM AVERY and ALBERT FENTON, of Redditch, in the county of Worcester, England, have invented a new and improved Needle-Case; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in that class of needle-cases in which the needle-packet is caused to raise up above the top of the needle-case, when open, to admit of obtaining a needle therefrom more easily; and

It consists in effecting the raising of the packet by the raising of the cap of the case, which is hinged at one side of the top of the case, by providing the said cap with a cranked projection, extending downward into the case and jointed to the side of the packet by a connecting-link, or other suitable connection.

Figure 1 is a sectional elevation of a needle-case, constructed according to our improvement, and shown in the closed position;

Figure 2 is an elevation at right angles to the plane of fig. 1; and

Figure 3 is an elevation with the cap raised and the needle-packet elevated.

Similar letters of reference indicate corresponding parts.

A is the case, made of sheet metal or other substance, and open at the top.

B is the cap, made of similar substance, and pivoted or hinged to the part A at C, and swings thereon in opening or closing. It may either shut over or into the case A.

D is a cranked projection or arm, attached to the

cap near the hinge or pivot, so as to project downward into the case when the cap is closed down, and it is connected to the packet-holder E, which slides into the case from the top, by the link F, jointed to it and to the packet-holder, near the bottom thereof.

When the cap is raised, the arm D swings up to the horizontal position represented in fig. 3, and thereby raises the packet-holder E in the case, as shown, and presents the needles, so that they may be readily taken by the thumb and finger from the packet. The same result may be produced by connecting the link F directly to the cap near its free end, and suitably bending the said link to allow the cap to rise to a perpendicular position, in which case, the projection D may be dispensed with.

Several packets may be arranged in one case, all to be opened by the cap, or several cases may be attached in a cluster with separate caps, or one for all, and the cases, with two or more packets, may have a cap at each end, drawing one or more packets out at each end.

Having thus described our invention,

We claim as new and desire to secure by Letters Patent—

The link F, combined with the cap B and needle-packet holder E, all relatively constructed and arranged so that the packet and cap will be simultaneously raised above the case, as set forth.

The above specification of our invention signed by us this 18th day of January, 1870.

WILLIAM AVERY.
ALBERT FENTON.

Witnesses:

JOSEPH AVERY,
JOSEPH JOHNSON.