

D. F. ROCHE, JR.
HEDGE TRIMMER.
APPLICATION FILED AUG. 29, 1908.

914,882.

Patented Mar. 9, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

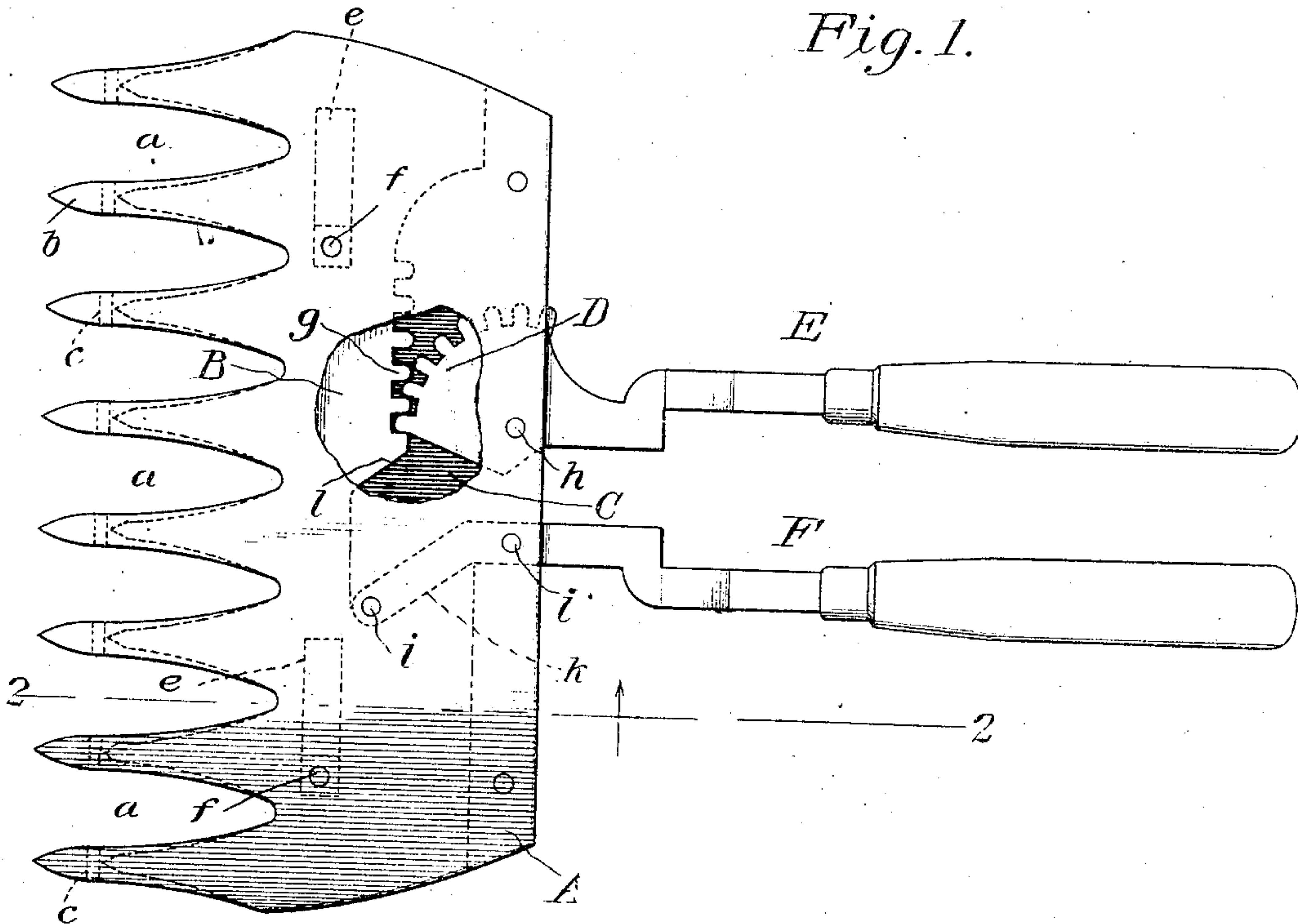
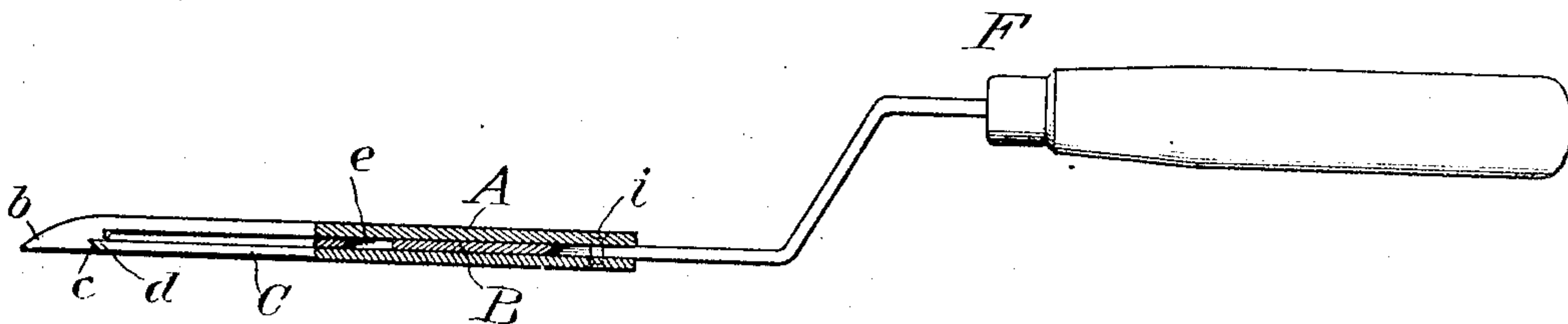


Fig. 2.



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2 SHEETS—SHEET 2

Fig. 5

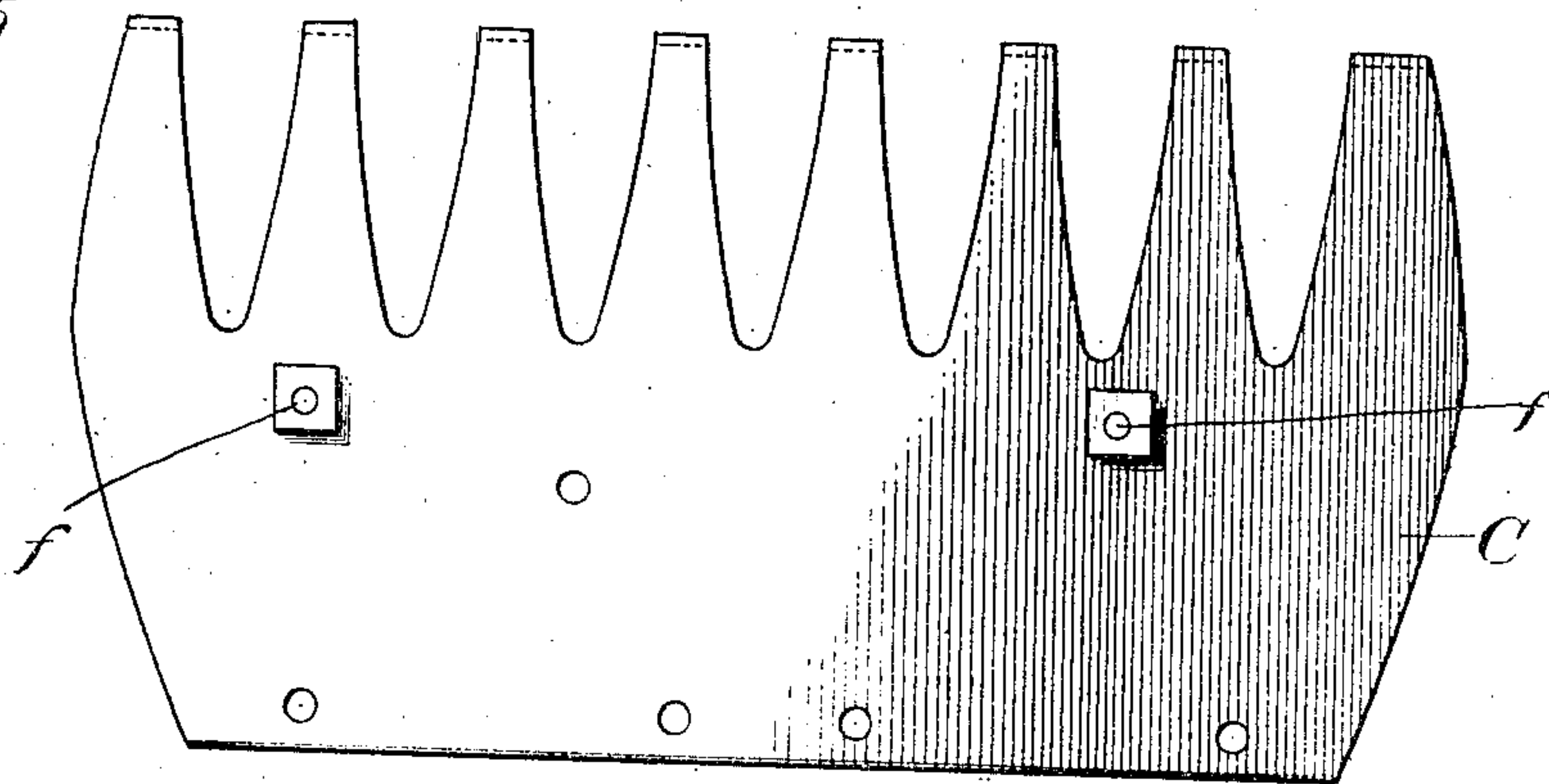


Fig. 4.

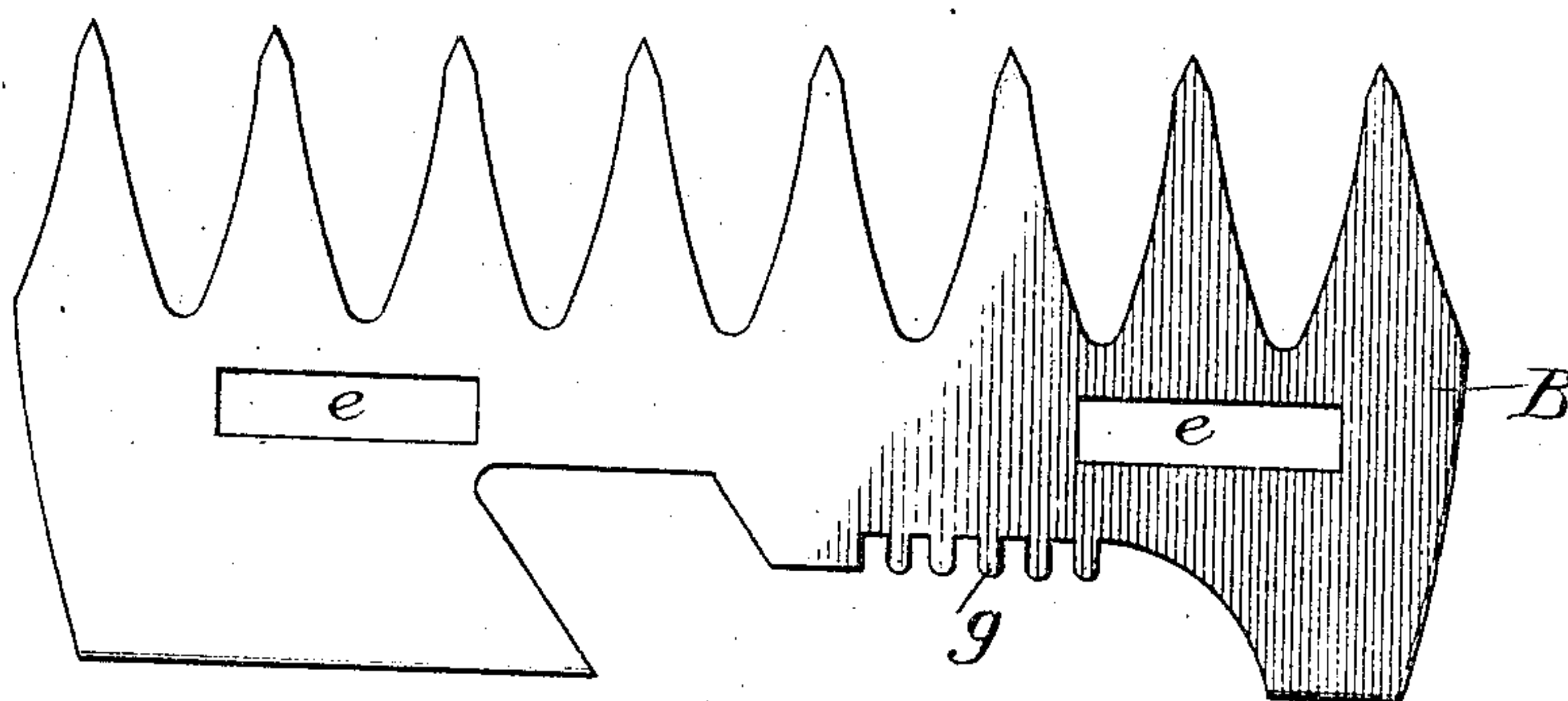
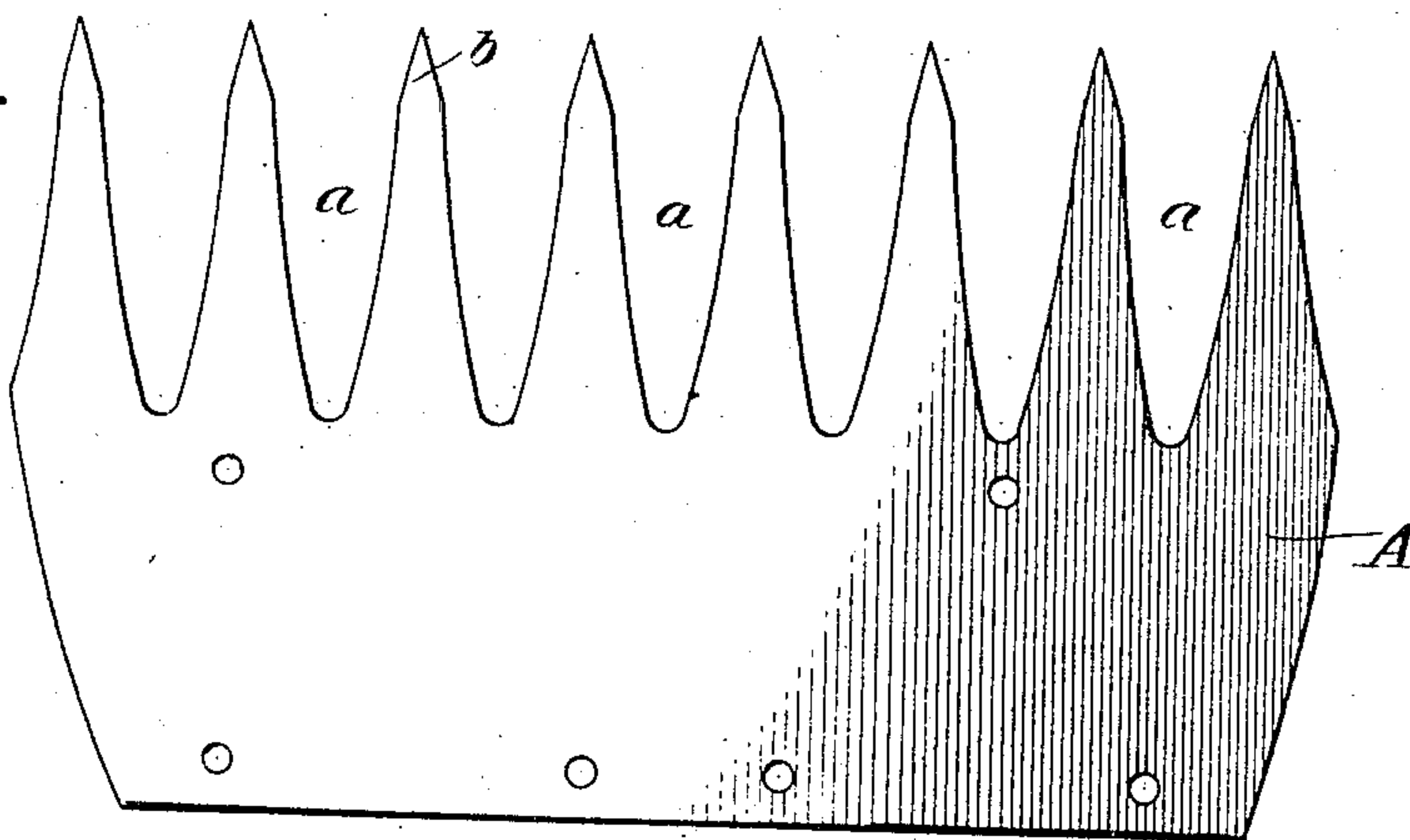


Fig. 3.



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UNITED STATES PATENT OFFICE.

DANIEL F. ROCHE, JR., OF NEWPORT, RHODE ISLAND.

HEDGE-TRIMMER.

No. 914,882.

Specification of Letters Patent.

Patented March 9, 1909.

Application filed August 29, 1908. Serial No. 450,867.

To all whom it may concern:

Be it known that I, DANIEL F. ROCHE, Jr., a citizen of the United States, residing at Newport, in the county of Newport, State of Rhode Island, have invented certain new and useful Improvements in Hedge-Trim-
5 mers, of which the following is a description, reference being had to the accompanying drawing, and to the letters of reference
10 marked thereon.

My invention relates to improvements in cutting apparatus, and particularly to de-
15 vices for trimming hedges and the like, al-
though it may be applicable to other uses.

Primarily, the invention consists of upper
20 and lower rigid plates having recesses to re-
ceive the twigs or blades to be cut, and a
slidable intermediate plate between the two
with corresponding recesses, the walls of the
25 recesses coöperating to give a shear cut to
the material in the recesses.

The invention also consists in the details
of construction of the plates, the means for
operating the sliding plate, and finally, in
25 the various other matters, all as hereinafter
described and referred to in the appended
claim.

The invention is illustrated in the accom-
panying drawings, in which,—

30 Figure 1 is a top plan view, parts being
broken away, of a hedge shears constructed
in accordance with my invention; Fig. 2 is a
sectional view, on line 2—2, of Fig. 1, Figs.
3, 4 and 5 are plan views respectively of the
35 top, middle and bottom members or plates
of the tool.

In these drawings, the upper plate of the
shears is represented at A. It has the re-
cesses *a* and the points between the recesses
40 are beveled on the upper side as shown at *b*,
and grooved, as shown at *c*, to receive and
support the beveled edges *d* of the points on
the lower plate C, the plates A and C being
riveted or bolted together in any suitable
45 manner. Between the two plates A and C
is the center plate or blade B, having elon-
gated slots *e*, by which in its movement it is

guided in a right line between the plates A
and C, by the headed bolts *f* passing through
the slots and secured to the upper and lower
50 plates. The points of this cutter plate B,
between the recesses are protected when out
of operation, by being housed or covered by
the plate A, as will be seen in Fig. 2, and in
dotted lines in Fig. 1. The means for op-
55 erating the reciprocating cutter are shown in
Fig. 1. The intermediate plate B is cut
away and has a series of teeth *g*, forming a
rack. Engaging with this is a gear segment
D on the inner end of the handle E. This
60 handle is pivoted at *h*, to the plates A and C.

F is a stationary handle fastened by rivets
or bolts *i* to the lower plate. The handle at
its inner end is formed to correspond with
the walls *k* and *l* of the cut away portion of
65 the plate B, so that it acts as a stop to limit
the movement of the sliding plate. The
handles as shown, are bent upwardly, so that
the hands of the operator may not come in
contact with the material being cut. 70

Various minor modifications and changes
may be made in the details of construction,
without departing from the spirit of my in-
vention.

Having thus described my invention, what
I claim as new and desire to secure by Let-
ters Patent, is:—

A hedge trimmer comprising stationary
upper and lower plates, with recesses in the
edge of the upper plate formed with grooves, 80
said lower plate having projections fitting in
said grooves, a sliding plate between said
upper and lower plates with a rack formed
thereon, a handle pivoted to the stationary
plates and having teeth engaging the rack, 85
and a stationary handle secured to one of
the stationary plates.

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

DANIEL F. ROCHE, JR.

Witnesses:

JOHN H. MARKS,
JAMES H. SMITH.