

(No Model.)

L. DYER.
BUCKLE.

No. 489,859.

Patented Jan. 10, 1893.

Fig. 1.

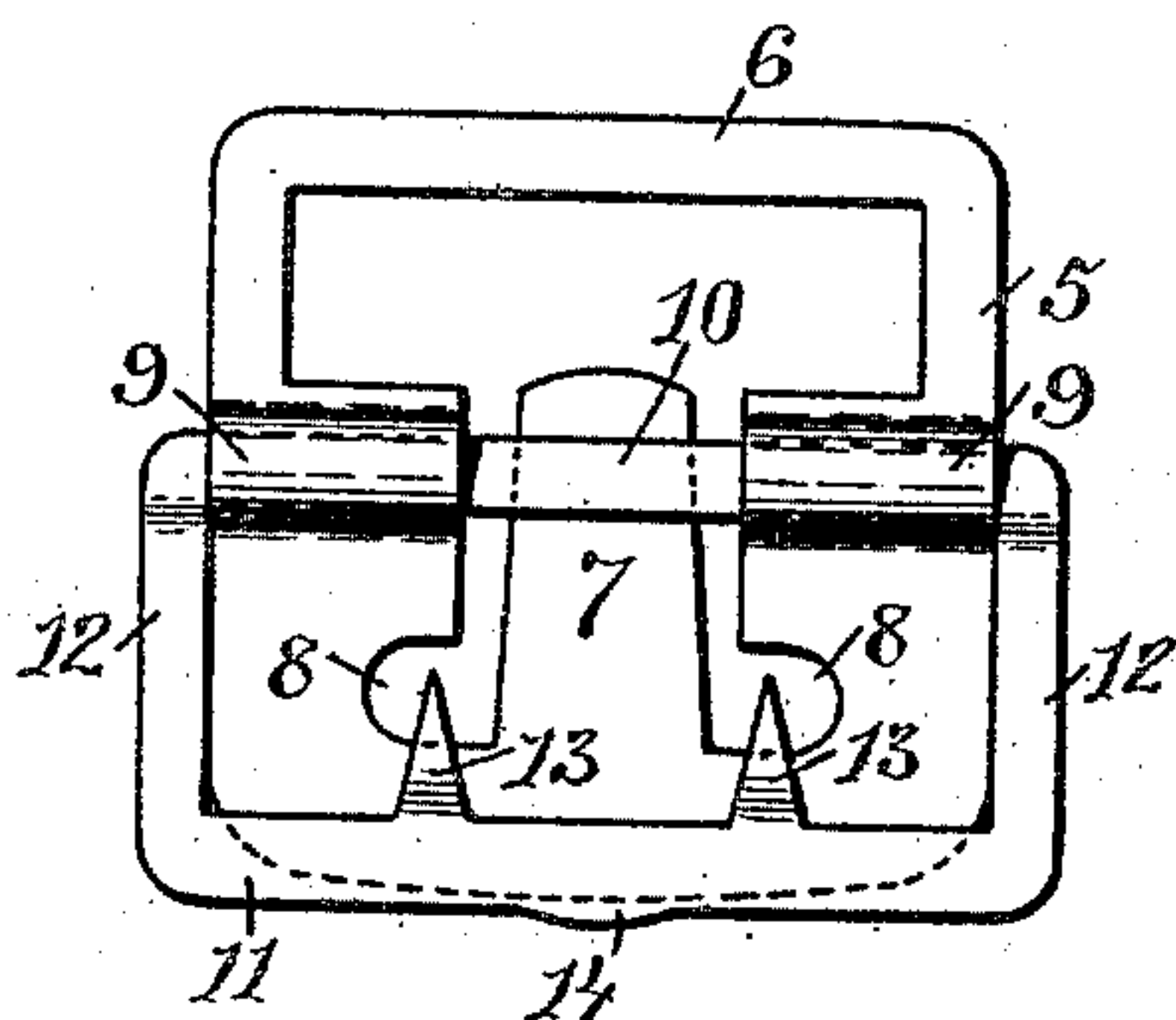


Fig. 2.

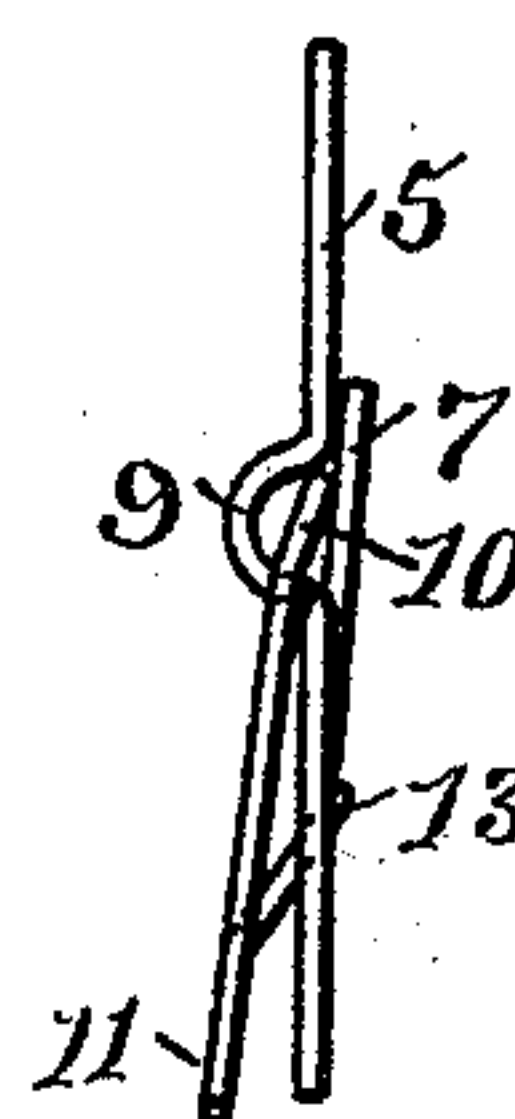


Fig. 3.

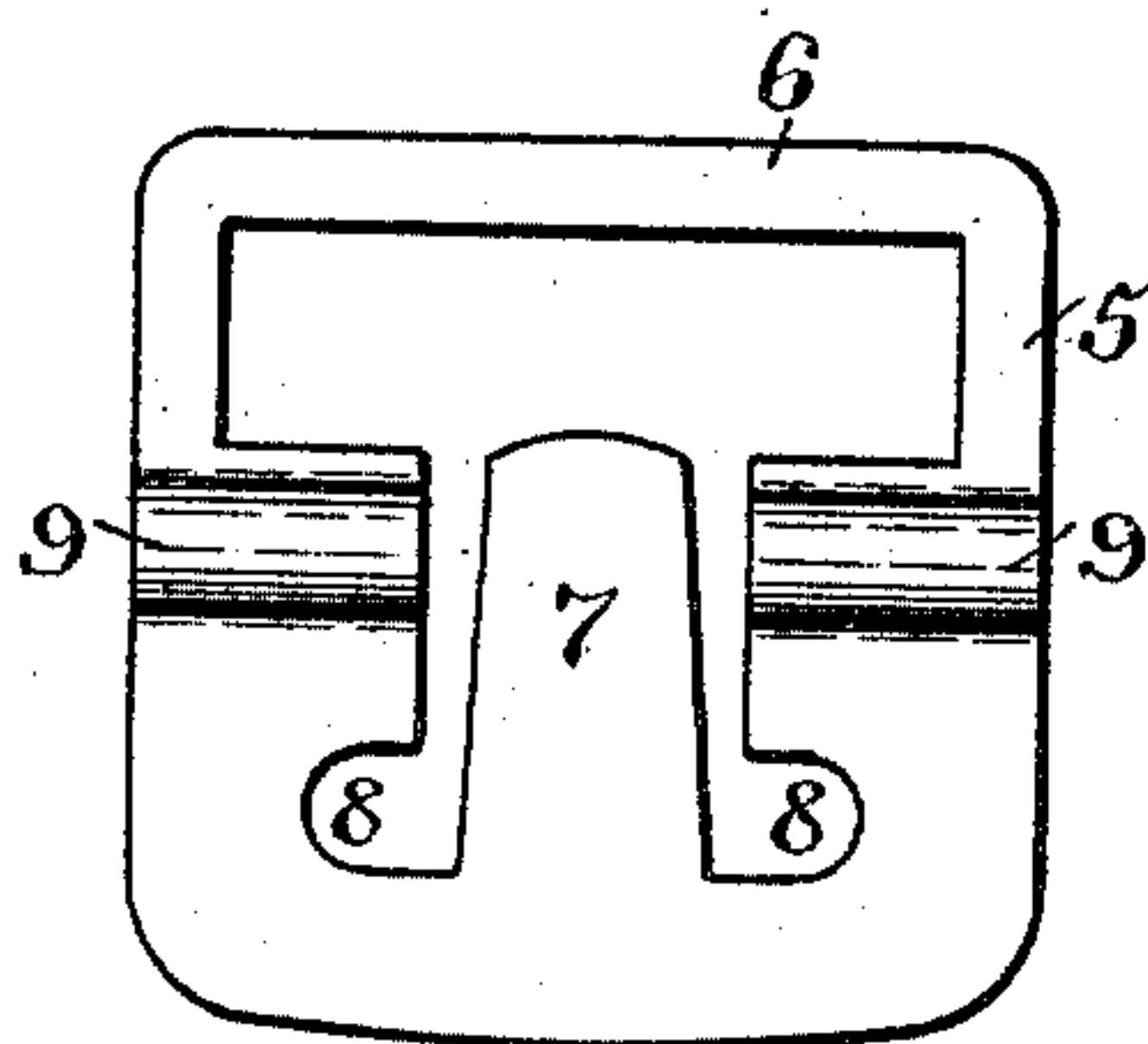
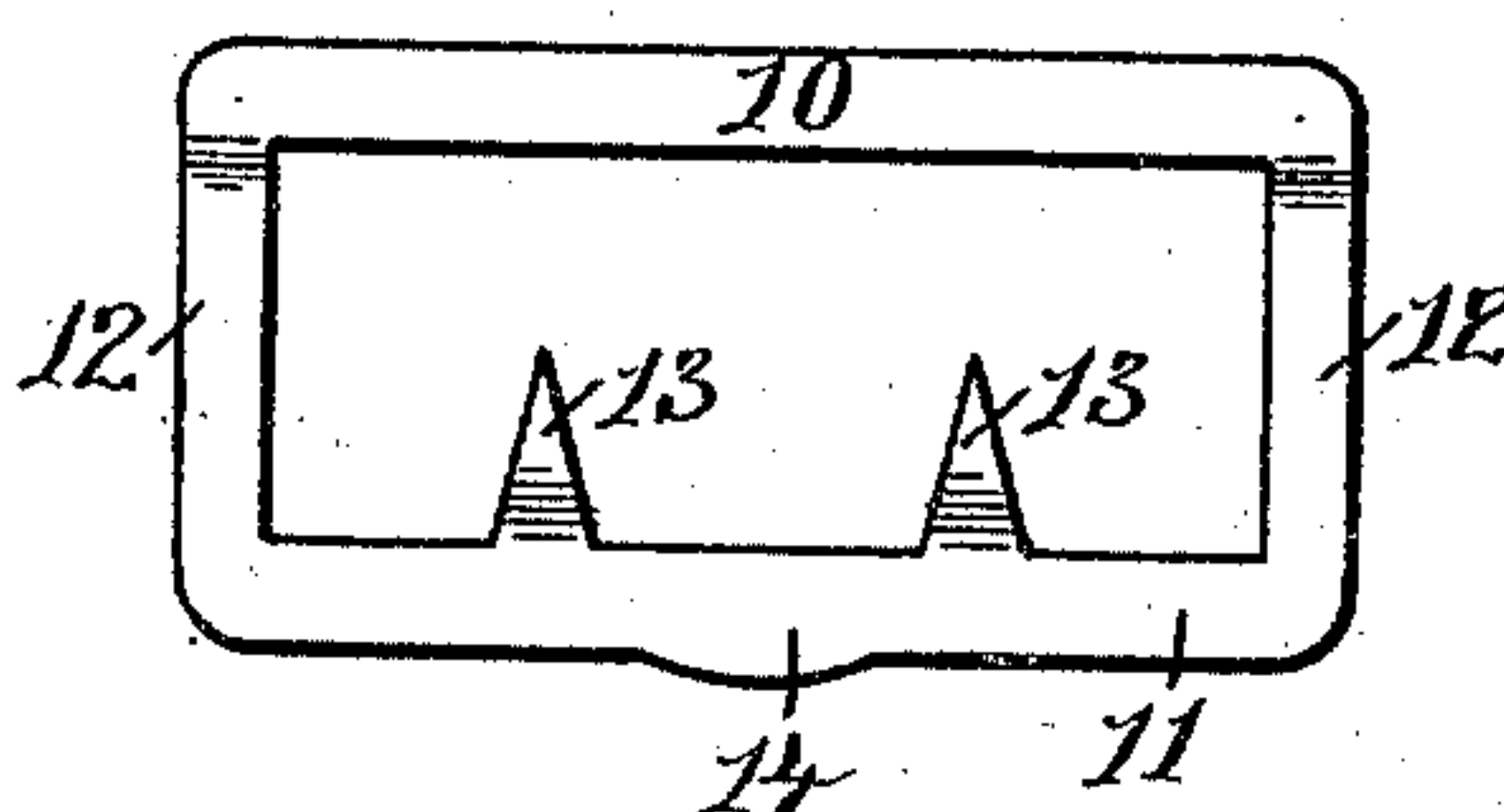


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

LUCIUS DYER, OF MILLBRIDGE, MAINE, ASSIGNOR TO SCHOTT BROTHERS,
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BUCKLE.

SPECIFICATION forming part of Letters Patent No. 489,859, dated January 10, 1893.

Application filed May 20, 1892. Serial No. 433,659. (No model.)

To all whom it may concern:

Be it known that I, LUCIUS DYER, of Mill-
bridge, in the county of Washington and
State of Maine, have invented certain new
and useful Improvements in Buckles; and I
hereby declare that the following is a full,
clear, and exact description of the same, ref-
erence being had to the accompanying draw-
ings, forming part of this specification.

This invention has reference to improve-
ments in buckles especially adapted for use
on vest and trouser straps.

The object of the invention is to produce a
buckle which shall be simple in construction
and effective in operation, the cost of manu-
facture being reduced to a minimum.

The invention consists in certain peculiar
features of construction of the buckle-frame
and the combination therewith of the novel
clamping and securing device, as will herein-
after be more fully described and pointed out
in the claims.

Figure 1 represents a view of the complete
buckle. Fig. 2 represents an edge view of
the same. Fig. 3 represents a front view of
the buckle-frame. Fig. 4 representing a simi-
lar view of the clamping or securing device.

Similar numbers of reference designate cor-
responding parts throughout.

In carrying my invention into effect, I take
a flat piece of metal and stamp therefrom
the frame 5, the central portion of which is
cut away leaving a narrow securing-bar 6
around which a strap may be permanently
secured, and a tongue 7 extending inward
from the lower or forward end of the buckle-
frame; this tongue 7 being subsequently tem-
pered,—at each side of the base of this tongue
the metal is cut away to leave the openings
8—8. I now raise, or bend, the central por-
tions of the frame upward to form the bear-
ings 9—9 on each side of the tongue 7 and at
right angles therewith.

The securing device is formed by stamp-
ing from a piece of sheet-metal a frame,
slightly longer than the width of the buckle-
frame, having the bars 10 and 11 connected
by the sides 12—12, the bar 10 being bent at

a slight angle to the surface of the frame,
and the bar 11 having the inwardly-extend-
ing prongs 13—13, which are also bent at an
angle with the frame, the points of these
prongs being such a distance apart as will
enable them to pass through the openings
8—8 when the securing device is placed in
position,—the bar 11 is also furnished with a
small thumb-piece 14 to assist in lifting the
securing device away from the frame.

The parts forming the buckle are secured
together by introducing the bars 10 between
the concave surfaces of the bearings 9—9
and the upper surface of the spring-tongue
7,—when in the position shown in the draw-
ings, the tongue bears against the outer edge
of this bar and throws the prongs 13—13 into
the openings 8—8 through which the points
project. The strap to be secured is brought
first under the bar 11 and may then be passed
through the large opening in the frame 5.
When a cloth strap is used, the prongs 13—
13 readily engage with and penetrate the
same, but when using a leather or other strap,
I sometimes punch holes therein through
which these prongs may extend. By this con-
struction a very simple and convenient buckle
is formed, which, being flat, will not be un-
comfortable to the wearer.

Having thus described my invention, I
claim as new and desire to secure by Letters
Patent:—

1. A buckle consisting of a frame formed
of sheet-metal having a securing-bar at one
end, concaved bearings near the middle, and
a spring-tongue extending from near the op-
posite end between the concaved bearings,
and a securing-frame having a hinge-bar
adapted to be inserted in the concaved bear-
ings and held by the spring-tongue, the frame
being provided with prongs adapted to secure
the strap, as described.

2. The combination with the frame 5 hav-
ing the bar 6, bearings 9—9, the spring-tongue
7, and provided with openings 8—8 at either
side of the tongue, of a securing device formed
of the bars 10 and 11 connected by the sides
12—12, and the bent prongs 13—13 extending

inward from said bar 11, as and for the purpose described.

3. In a buckle, the combination with a buckle-frame having bearings bent up there-
5 from, of a securing-frame formed of the bars 10 and 11 and sides 12—12, the prongs 13—13 extending inward from the bar 11, and means

for retaining the bar 10 in said bearings of the buckle-frame, for the purpose described.

LUCIUS DYER.

Witnesses:

GEO. E. GOOGINS,
WILLIAM HIGGINS.