

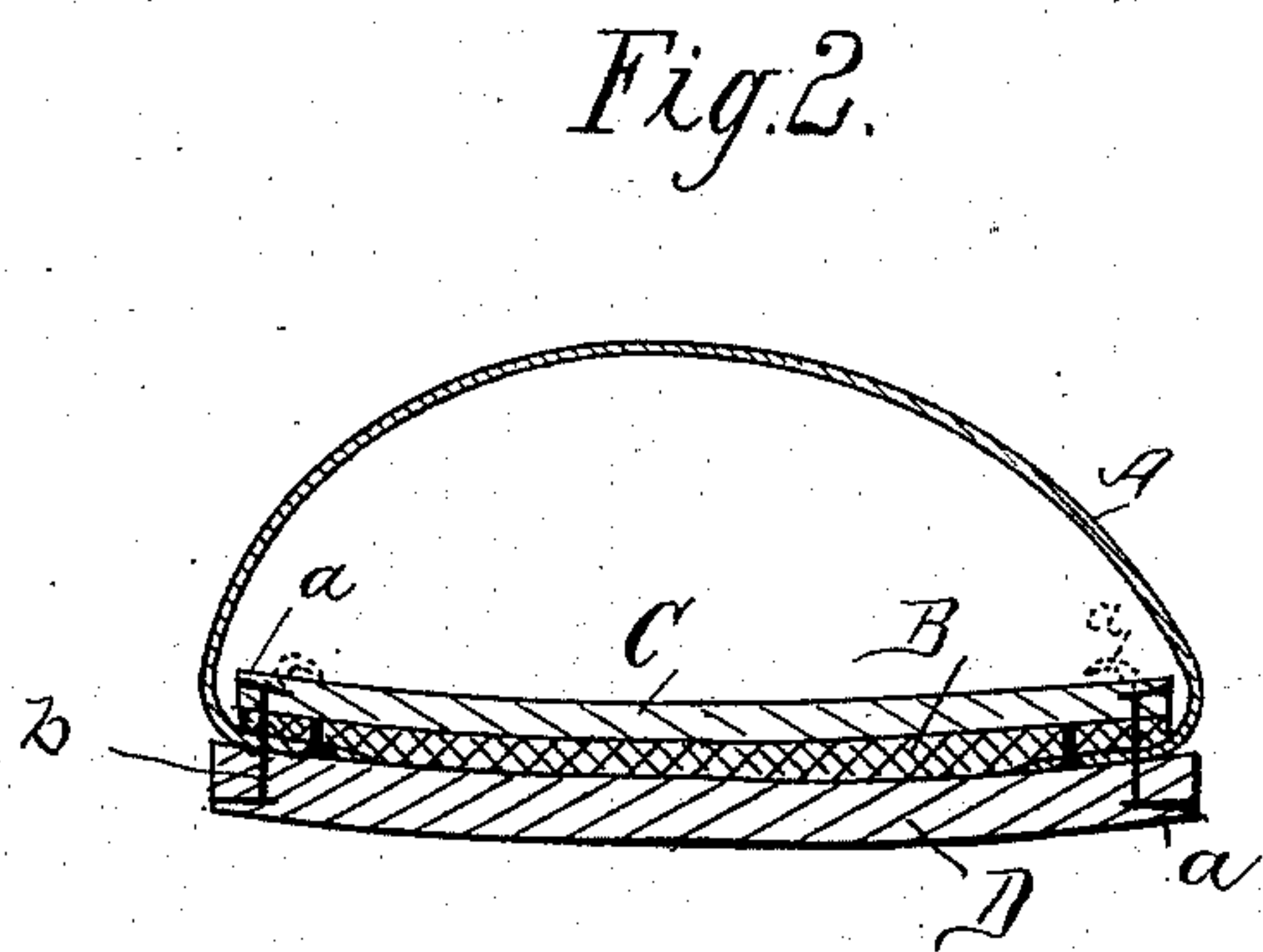
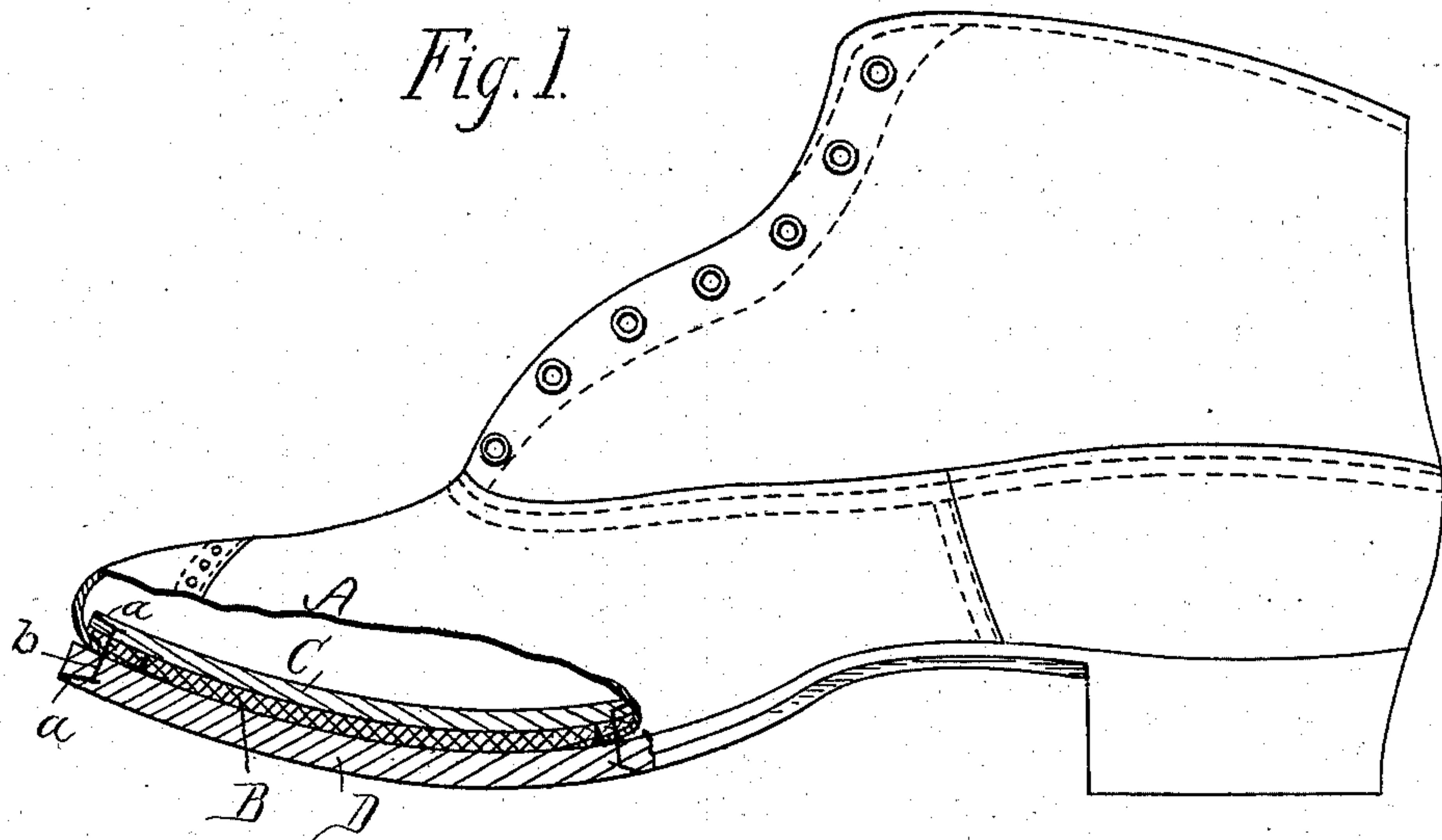
(No Model.)

G. W. DAY.

MANUFACTURE OF BOOTS AND SHOES.

No. 284,188.

Patented Sept. 4, 1883.



Witnesses:

Wm. S. Bellows
Frank B. Mitchell

Geo. W. Day,

Inventor

per

Brown Bros.

Attorneys

UNITED STATES PATENT OFFICE.

GEORGE W. DAY, OF HAVERHILL, MASSACHUSETTS.

MANUFACTURE OF BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 284,188, dated September 4, 1883.

Application filed December 28, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. DAY, of Haverhill, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in the Manufacture of Boots and Shoes, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in the manufacture of boots and shoes.

10 It consists, first, of a boot or shoe in which a middle sole, which is lasted to the upper, receives the lasting-nails, is covered by an inner sole and by an outer sole, both channeled, and the whole united by a line of stitches passing
15 through the outer sole, the upper, the middle, and the inner soles, and covered on the inside of the sole by the lip of the channel of the inner sole, and on the outside of the sole by the lip of the channel of the outer sole.

20 It also consists, second, of a boot or shoe in which a middle sole, which is made of canvas or cloth, or other suitable woven or felted material, is lasted to the upper and receives the lasting-nails, is covered by an inner sole and
25 by an outer sole, both channeled, and the whole united by a line of stitches passing through the outer sole, the upper, the middle, and the inner soles, and covered on the inside of the sole by the lip of the channel of the inner sole,
30 and on the outside of the sole by the lip of the channel of the outer sole.

In the accompanying plate of drawings, Figure 1 is a side elevation, partly in section, showing a shoe made in accordance with this
35 invention. Fig. 2 is a cross-section.

In the drawings, A represents the upper of a shoe, which is nailed and lasted to the middle sole, B, made of leather, or, as forming a part of this invention, of canvas or cloth, or
40 felted or other similar material.

C is the inner sole, and D the outer sole, both of which are channeled upon one side, and each channel has a lip, *a*, for covering the same. The inner sole is placed by its channeled side against the bottom of a suitable last, and then the last and inner sole are placed within the shoe-upper, lasted to the middle sole, as stated, after which the outer sole is placed against the outside face of the middle
45 sole and the overlapping portion of the upper, which is lasted to the middle sole, with the

channeled side of the outer sole outermost, and the outer and inner soles temporarily secured in position by tacks, one tack at the toe and heel, and each side of the ball being sufficient when removing the whole from the last. The several soles and upper placed together, as above stated, are then sewed in a machine, as usual, the line of stitches *b* running in the channels of the outer and inner soles, through
60 the middle sole and upper; and afterward said stitches covered by the lips *a* of the channel of each sole, said lips being turned back during the process of sewing, and said lips each cemented in place, completing, on the removal
65 of the tacks used to temporarily hold the parts together while being sewed, the manufacture of a boot or shoe.

Under this invention it is not intended, when the outer and inner soles are channeled and a
70 middle sole is lasted to the upper, and the whole is secured together by a line of stitches, *b*, all as has been stated, to limit the invention as to such a formation and combination of parts, and as to such a stitching thereof together, to any particular material, making the
75 middle sole, whether it be leather or canvas, or cloth or felt, or other suitable woven or felted material.

A sewed boot or shoe made as herein described, as it has no lasting-tacks in the inner sole, is very easy and pliable, and with the middle sole made of canvas or cloth, or felt or other similar material, plainly greater pliability is given to the boot or shoe, whereby it will
80 have all the qualities and advantages of a hand-sewed shoe.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An improved sewed boot or shoe having a middle sole lasted to the upper, and an inner sole and outer sole both channeled, and stitches extending through the inner, outer, and middle soles and upper, and covered on
95 the inside of the sole by the lip of the channel of the inner sole, and on the outside of the sole by the lip of the channel of the outer sole, as shown and described.

2. An improved boot or shoe having a middle sole, which is made of canvas or other suitable fabric, lasted to the upper, and an outer

and inner sole both channeled, and stitches
extending through the inner, outer, and mid-
dle soles and upper, and covered on the inside
of the sole by the lip of the channel of the in-
5 ner sole, and on the outside of the sole by the
lip of the channel of the outer sole, as shown
and described.

In testimony whereof I have hereunto set my
hand in the presence of two subscribing wit-
nesses.

GEORGE W. DAY.

Witnesses:

EDWIN W. BROWN,
WILLIAM S. BELLOWS.