

W. G. Slater,

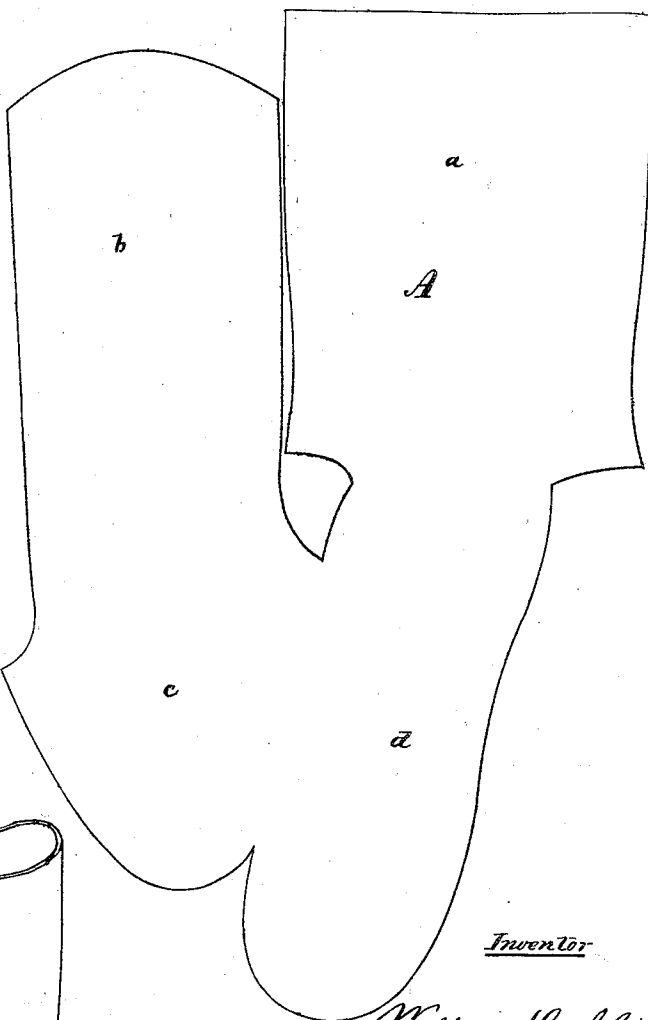
2 Sheets, Sheet 1.

Cutting Boot Paps.

No. 102065.

Patented Nov. 8. 1870.

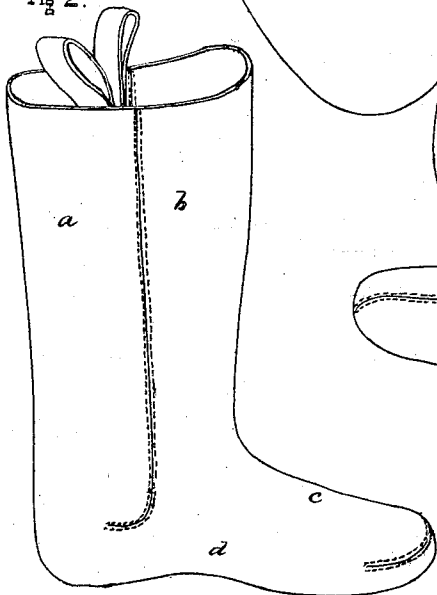
Fig. 1.



Witnesses:

N. Miller
H. W. W. W. W.

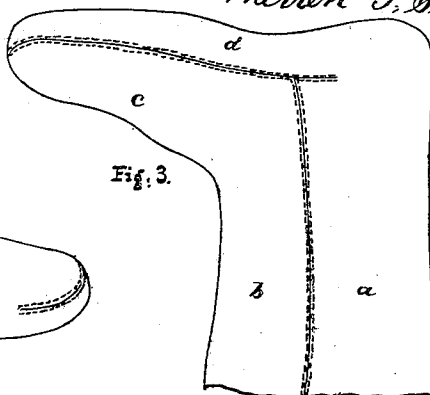
Fig. 2.



Inventor

Warren G. Slater.

Fig. 3.



W. G. Slater,

2 Sheets, Sheet 2

Cutting Tool Pairs.

No. 102,065.

Patented Nov. 8, 1870.

Fig. 4.

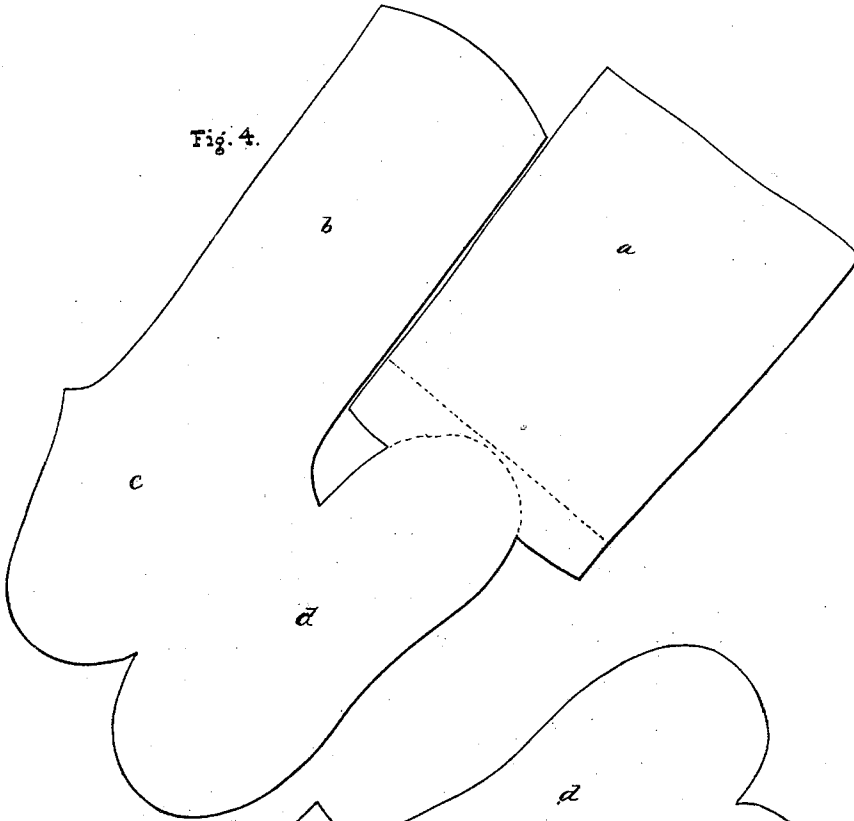
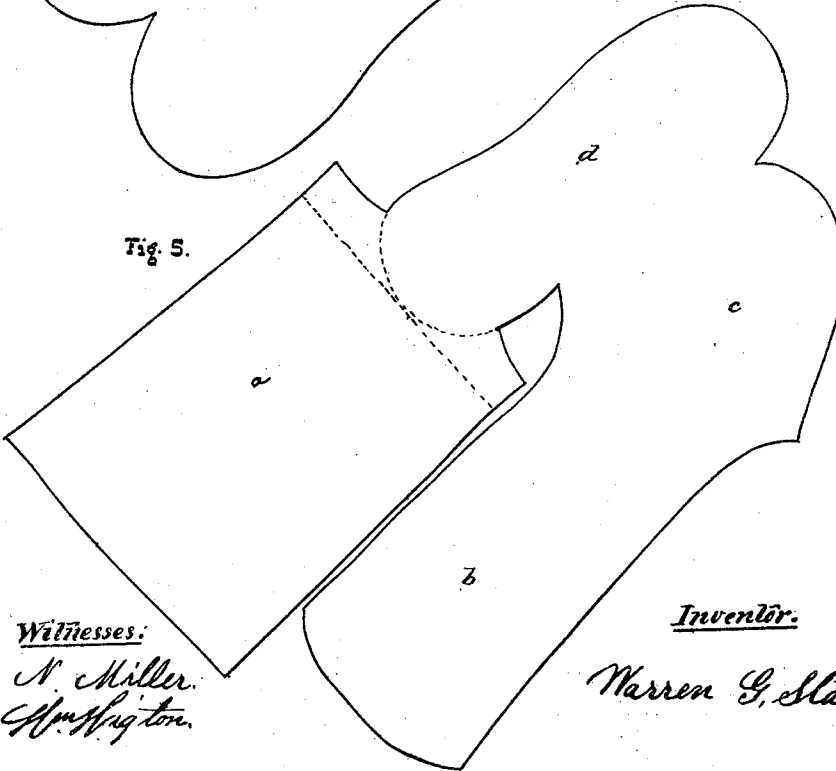


Fig. 5.



Witnesses:

N. Miller.
H. H. H. H. H.

Inventor.

Warren G. Slater.

United States Patent Office.

WARREN G. SLATER, OF HART, MICHIGAN.

Letters Patent No. 109,065, dated November 8, 1870.

IMPROVEMENT IN METHODS OF CUTTING BOOT-PACKS.

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

To all whom it may concern:

Be it known that I, WARREN G. SLATER, of the village of Hart, in the county of Oceana and State of Michigan, have invented certain new and useful Improvements in Cutting Boot-Packs; and do declare that the following is a full and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 represents the boot-pack as cut from one piece before it is sewn.

Figure 2, an elevation of one side of the boot-pack complete.

Figure 3, an elevation of the opposite side of the boot-pack complete.

Figures 4 and 5, the boot-pack as cut from two pieces, before it is sewn.

Like letters of like kind denote like parts in each figure.

The object of the invention is to save leather, thread, and labor in making boot-packs; and

The nature of the invention consists in the particular form and pattern in which the boot-packs are cut, in one or in two pieces, from the leather, or other suitable material.

In the drawing—

A represents the form or pattern in which a boot-pack is cut out in one piece, so that the same, when properly sewn and crimped, becomes a boot-pack complete for use, symmetrical in form, well fitting to the foot, and durable in wear.

In this form or pattern—

a is the back;

b, the front;

c, the upper; and

d, the sole.

The pack is made, out of this form or pattern, upon

a suitable last, in the ordinary way, the upper *c* being turned over upon and sewed to the sole *d*, and the front *b* sewed to the back *a*, by which means a pack is completed, with the lines of seam shown in figs. 2 and 3.

When it is desirable to use leather or other material of inferior quality for backs, they may be cut out in the form or pattern shown in figs. 4 and 5, where the backs *a* are cut in a separate piece. When this form or pattern is used the back will be placed upon the outside of the heel and sewed, as designated in the dotted lines in figs. 4 and 5.

It will be seen, on inspection of the drawing, that the form or pattern shown in fig. 1 is pretty nearly a parallelogram, with little waste in its interior, and may readily be cut with advantage by reversing it alternately, and that the form or pattern shown in figs. 4 and 5 of the front upper and sole may also be cut with little loss, by reversing it alternately, so that the soles *d* in the figures named will come together heel and heel.

Thus it will be seen that the waste in material is small in cutting; that the seams are few and comparatively short; and that there is a considerable saving in thread and in the labor of sewing.

Having thus set out the nature and merits of my invention,

What I claim therein as new is—

1. The form or pattern of the boot-pack cut out in one piece, as shown and described.

2. The form or pattern of a boot-pack cut out in two pieces, as shown and described.

WARREN G. SLATER.

Witnesses:

JACOB FISHER,

JOHN H. HERRINGTON, M. D.