S. W. SHOREY.

Seam for Leather-Work.

No. 162,424. Patented April 20, 1875.

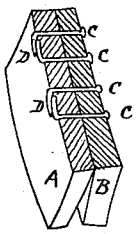

FIG. 1

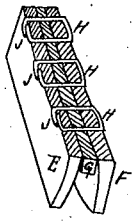

FIG. 2

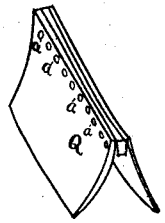

FIG. 4

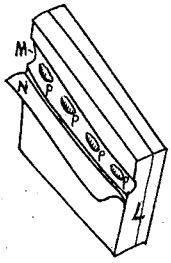

FIG. 3

Witnesses:

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UNITED STATES PATENT OFFICE.

SAMUEL W. SHOREY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SEAMS FOR LEATHER WORK.

Specification forming part of Letters Patent No. **162,424**, dated April 20, 1875; application filed August 17, 1874.

To all whom it may concern:

Be it known that I, SAMUEL WILLARD SHOREY, of Boston, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Seams for Leather Work, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an enlarged longitudinal sectional view, showing a seam united by metallic pins or headed wire-fastenings, the view being taken on a line with the pins. Fig. 2 is an enlarged longitudinal sectional view of a seam united by wires or metallic staples, the view being taken on a line with the staples. Fig. 3 is a sectional view of a sole, the parts of which are united by headed metallic pins; and Fig. 4 an isometrical perspective view, showing a seam united by headed metallic pins.

My invention relates to that class of seams which are united with metallic fastenings, being more especially adapted to the manufacture of harness and of boots and shoes, and consists in a novel method of securing the wires or pins used in forming the seam, as hereinafter more fully set forth and claimed, by which greater firmness and durability are attained than by the ordinary means.

The drawings show a variety of seams embodying my invention. In Fig. 1 the sections or parts A B are fastened together to form the seam by means of the headed metallic pins or nails *c c*, the adjacent points of which are bent down and united by soft solder in any convenient manner. In Fig. 2 there is a welt, G, between the parts or sections E F, the whole being united by the wire or metallic staples H H, the ends or points of which are bent down and soldered together, as at J. In Fig. 3, the sole L has its two parts united by metallic pins or nails, the points of each pair of the pins through the series forming the seam being bent down in the channel or groove M, and united by soldering, as at *p p*. In Fig. 4 a welted seam is represented united by the headed metallic pins or nails *a a*.

In forming the union between the ends or points of the pins and staples by means of solder, as described, the ends may be first overlapped, side-lapped, or brought face to face, as may be most convenient or desirable, but I prefer to side-lap the ends, as shown in Figs. 1 and 2. It will be understood that the pins or nails *c c*, and also the staples H H, are to be made of a suitable length to permit the ends or points to project a proper distance when in place, and that they may be driven or inserted by any convenient mechanism. It will also be obvious that wires or headless nails, either smooth or corrugated, may be used in place of the pins *c c* and staples H H, the ends of the wires being bent down and soldered upon both sides of the seam, instead of upon one only, as shown, without departing from the spirit of my invention, the distinguishing feature of which is uniting the ends of the metallic fastenings used in forming the seam by means of solder, as set forth. I also employ metallic fastenings having the ends united with solder, as described, in place of ordinary rivets or eyelet-rings, in the manufacture of boots and shoes, for staying the seams, attaching straps, and for other purposes where rivets and similar fastenings are usually employed.

Having thus described my invention, what I claim is—

The metallic fastenings of a seam or stay, the ends of which are united by solder, substantially as specified.

SAMUEL WILLARD SHOREY.

Witnesses:

C. A. SHAW,

H. E. METCALFE.