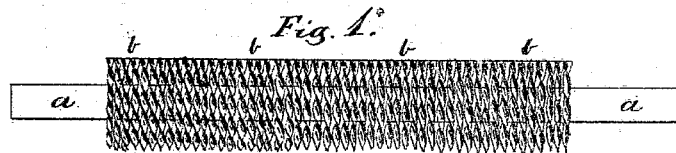


D. H. CAMPBELL & E. WOODWARD.

Improvement in Boot and Shoe-Peg Attachments.

No. 115,567.

Patented June 6, 1871.



*Fig. 3.*



Witnesses:

*James P. Gardner*  
*Mauritz Andrién*

Inventors:

*D. H. Campbell and E. Woodward.*  
*by their attorney Albert Andrién*

# UNITED STATES PATENT OFFICE.

DUNCAN H. CAMPBELL, OF SUNDERLAND, SCOTLAND, AND ERASTUS  
WOODWARD, OF CHARLESTOWN, MASSACHUSETTS.

## IMPROVEMENT IN BOOT AND SHOE PEG ATTACHMENTS.

Specification forming part of Letters Patent No. 115,567, dated June 6, 1871.

We, DUNCAN H. CAMPBELL, of Sunderland, Scotland, and ERASTUS WOODWARD, of Charlestown, in the county of Middlesex and State of Massachusetts, have jointly invented certain new and useful Improvements on Boot and Shoe Peg Attachment, of which the following is a specification:

### *Nature and Objects of the Invention.*

The nature of our invention relates to the attachment of cable-screw pegs, by means of a solder, to a metallic ribbon, for the purpose of feeding the same to, and pegging the boots and shoes on, a common wood-pegging machine, as will now be fully shown and described.

On the drawing, Figure 1 is a front elevation of our invention. Fig. 2 is a rear elevation, and Fig. 3 is a cross-section of the same.

Similar letters refer to similar parts wherever they occur on the drawing.

On the drawing is shown a metallic ribbon, *a*, onto which the cable-screw pegs *b b b* are soldered side by side, close to each other, but so loosely that the pegs can easily be separated from the ribbon *a* without breaking the ribbon. The cable-screw pegs have on their surfaces helix-shaped projections, to which the solder adheres, and not to the whole width of the ribbon, by which arrangement only a few points of the cable-screw pegs are connected to the ribbon *a*.

By this arrangement the peg will separate easily from the ribbon *a* as soon as the hammer in a common wood-pegging machine presses the peg into the boot or shoe, without breaking the ribbon *a*, which can be used over again, if desired, for attaching a new set of cable-screw pegs in a like manner.

The cable-screw pegs *b b b* are easily attached to the ribbon *a*, as the pegs are coated with a thin coating of solder or alloy, and, the ribbon being coated with tin, solder, or alloy, all that is necessary for uniting the cable-screw pegs to the ribbon is to heat the ribbon gently under each peg as it proceeds, when the peg is easily attached to the ribbon *a*.

The object of attaching the pegs *b b b* to a ribbon, *a*, is that a continuous reel of pegs can thus easily be fed into a common wood-pegging machine in a like manner as a continuous wooden reel is fed into such a machine.

We are aware that pegs have heretofore been attached to a ribbon; but the ribbon has there been of such a nature and the object of that invention such as to break the ribbon for each peg that is taken away, and it could not in that case be done otherwise, as the pegs are cemented to the whole width of the ribbon; whereas we only attach the pegs by means of a solder or alloy in a few points to the ribbon, and when we drive the pegs into the boots or shoes we separate the pegs from the ribbon without breaking the ribbon, as heretofore has been customary.

Having thus described the nature and construction of our invention, we wish to secure by Letters Patent, and claim—

As a new article of manufacture, the metallic cable-screw pegs *b b b*, soldered onto the metallic ribbon *a*, in the manner and for the purpose as herein fully set forth and described.

DUNCAN H. CAMPBELL.  
ERASTUS WOODWARD.

Witnesses:

WM. H. HUTCHINSON,  
ALBAN ANDRÉN.