

W. H. GORDON.

Improvement in Insulating Sewing-Machine Treadles.

No. 129,945.

Patented July 30, 1872.

Fig. 1.

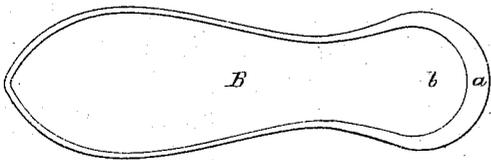


Fig. 2.

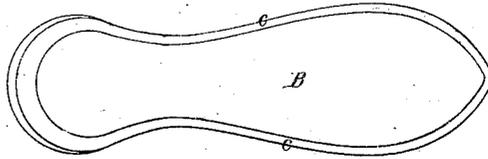


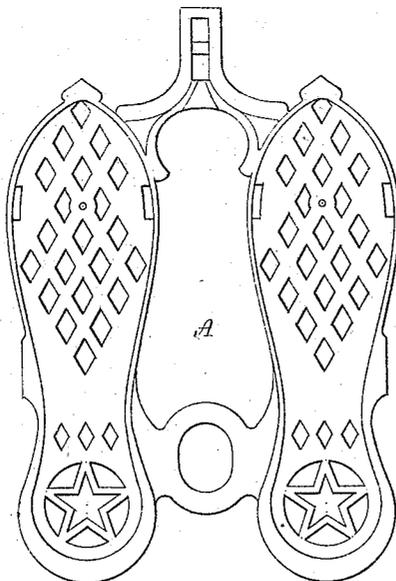
Fig. 3.



Fig. 4.



Fig. 5.



Witnesses.

S. N. Piper

L. N. Moller

W. H. Gordon.

by his attorney.

R. W. Selby

# UNITED STATES PATENT OFFICE.

WILLIAM H. GORDON, OF WALTHAM, MASSACHUSETTS.

## IMPROVEMENT IN INSULATING SEWING-MACHINE TREADLES.

Specification forming part of Letters Patent No. 129,945, dated July 30, 1872.

*To all persons to whom these presents may come:*

Be it known that I, WILLIAM H. GORDON, of Waltham, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Pedals of Sewing or other Machines; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a top view, Fig. 2 a bottom view, Fig. 3 a longitudinal section, and Fig. 4 a transverse section of one of my electrical pedal-insulators. Fig. 5 is a top view of a sewing-machine duplex pedal to which such insulators are to be applied, there being two of them to such a pedal, or one to a single pedal, the duplex pedal being for use with both feet, and the single pedal being for use with one foot of an operative.

The nature of my invention consists in an electrical insulator for a machine-pedal; also, in a pedal provided with an insulator to support the foot of the operative and electrically insulate it from the body of the pedal, whether such insulator be of glass, "vulcanite," or other equivalent material. The object of the invention is to protect the operative from the injurious or disagreeable effects of electricity resulting from or generated or induced by the pedal or its machine while in operation. In cold weather, more especially, an operative, while working the pedal of a sewing-machine,

is liable to be either over or under charged with electricity, so that when attempting to take hold of an object or part of the machine a smart spark will be emitted from or drawn into the operative, such depending on his or her being positively or negatively electrified. This, besides being disagreeable and annoying or injurious to the operative, may, at times, be productive of other bad effects.

In the drawing, A denotes the pedal socketted in its top to receive the insulator B, socketted also on its upper surface to receive the foot, and grooved around its bottom, as shown at *c*, so as to enter and fit to the socket of the pedal. At the heel the flange *a* of the socket *b* of the insulator is higher or extends a greater distance from the base of the socket than it does from the rest of the insulator. This insulator may be molded of glass, but I prefer to make it of "vulcanite" or "hard rubber."

I claim—

1. As a new manufacture, a pedal-insulator, as described and represented.

2. Also, the combination of an insulator, substantially as described, and a machine-pedal, as explained.

W. H. GORDON.

Witnesses:

R. H. EDDY,  
J. R. SNOW.