S. B. BUSHFIELD.

Treadles for Sewing-Machines.

No. 140,677. Patented July 8, 1873.

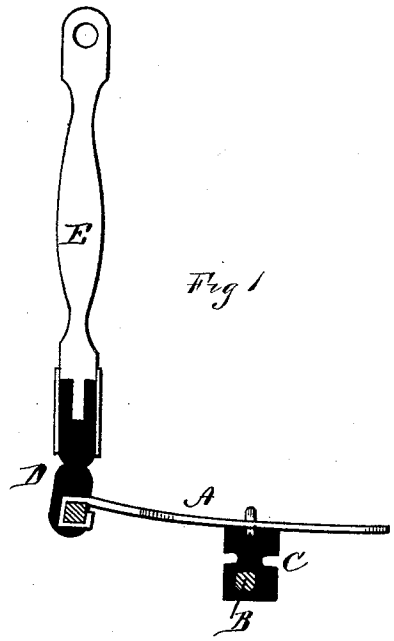
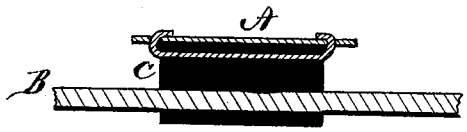


Fig 1

Fig 2



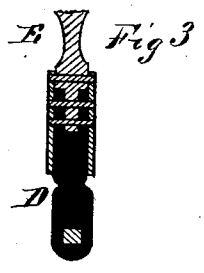


Fig 3

Witnesses:

F. L. Durand.

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UNITED STATES PATENT OFFICE.

SAMUEL B. BUSHFIELD, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF, ROBERT D. MORRISON, AND JOHN H. WARNER.

IMPROVEMENT IN TREADLES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **140,677**, dated July 8, 1873; application filed June 9, 1873.

To all whom it may concern:

Be it known that I, SAMUEL B. BUSHFIELD, of Baltimore, in the county of Baltimore and in the State of Maryland, have invented certain new and useful Improvements in Attaching Treadles to Sewing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in connecting the treadle of a sewing-machine with a stationary shaft and with the pitman by means of rubber or other elastic connections, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view, and Figs. 2 and 3 sectional views, showing my invention.

A represents a sewing-machine treadle of any suitable construction, and B represents the shaft to which it is attached. Ordinarily this shaft is rigidly attached to the treadle and rocks in suitable bearings fixed for the same. This is objectionable for various reasons, one of the most important of which is, that the bearings will soon wear, and cause not only rattling and noise, but also makes the machine hard to run. To obviate this difficulty I make the shaft B stationary, and connect the treadle to the same by means of a piece, C, of rubber or other elastic material, which is fastened in any suitable manner on or to the shaft and to the treadle. In like manner the treadle is, by a piece, D, of rubber or other elastic material, connected with the pitman E. In either case there are no two metal surfaces bearing against each other, and there can therefore be no noise or rattling. It also makes the treadle very easy and light in operation.

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

1. The combination of the stationary shaft B, rubber block C surrounding the shaft and extending above it, and the treadle A connected to the top part of the block, all substantially as and for the purposes herein set forth.

2. The combination of the stationary shaft B, block C, and the treadle A, rubber block D, and pitman E, all substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of May, 1873.

SAMUEL B. BUSHFIELD.

Witnesses:

ALONZO D. BARTLESON,

W. H. HAYWARD.