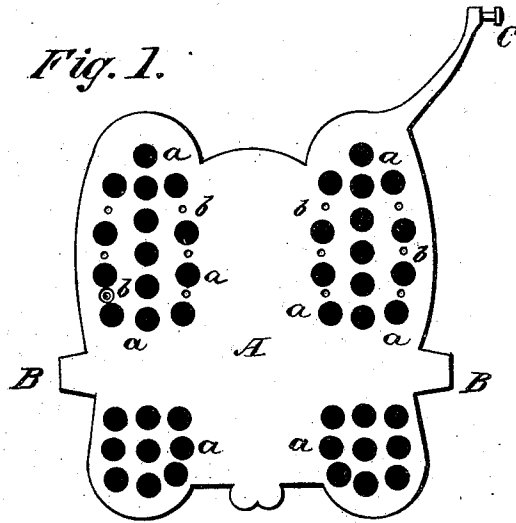


M. De R. SPAULDING.  
TREADLE.

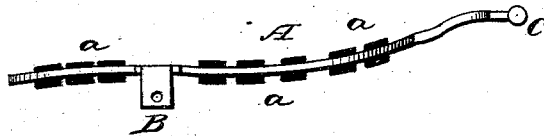
No. 174,163.

Patented Feb. 29, 1876.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*E. A. West.*  
*O. W. Bond.*

*M. De Roy Spaulding*  
INVENTOR.

# UNITED STATES PATENT OFFICE.

M. DE ROY SPAULDING, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN TREADLES.

Specification forming part of Letters Patent No. **174,163**, dated February 29, 1876; application filed November 30, 1875.

*To all whom it may concern :*

Be it known that I, M. DE ROY SPAULDING, of the city of Chicago, Cook county, State of Illinois, have invented a new and useful Improvement in Treadles, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a top or plan view; Fig. 2, a side view.

My invention consists in applying an elastic cushion or pad to a treadle.

In the drawings, A represents a double treadle; B, the ears by which it is pivoted to or supported on a bearing bar or rod; C, the arm for attaching a pitman or other connection; *a*, the rubber or elastic sections inserted into the body of the treadle, and *b* the hole in which the sections are inserted.

In the form shown the treadle is double; it may, however, be made double or single, as desired.

The rubbers *a* are cut from cylindrical rubber strips, and are inserted by being pressed through holes *b*, which are rimmed out to enable the rubbers to be properly inserted,

and which will hold them in any position in which they are placed.

The advantages of applying an elastic cushion to a treadle are, that it gives an easier movement to the foot; that it takes off the jar in reversing the movement; that it prevents the foot from slipping, and that it gives a slight additional impulse to that given by the foot.

The form shown is an easy and durable way of applying rubber to a sewing-machine treadle, for which use the form shown is designed; but the elastic cushion may be applied to treadles for foot-lathes and other devices.

What I claim as new, and desire to secure by Letters Patent, is as follows:

In a treadle, the elastic cylindrical sections *a*, inserted through the holes *b*, substantially as specified.

M. DE ROY SPAULDING.

Witnesses:

E. A. WEST,  
O. W. BOND.