

(No Model.)

A. T. TREGURTHA.
MACHINE TREADLE.

No. 418,661.

Patented Dec. 31, 1889.

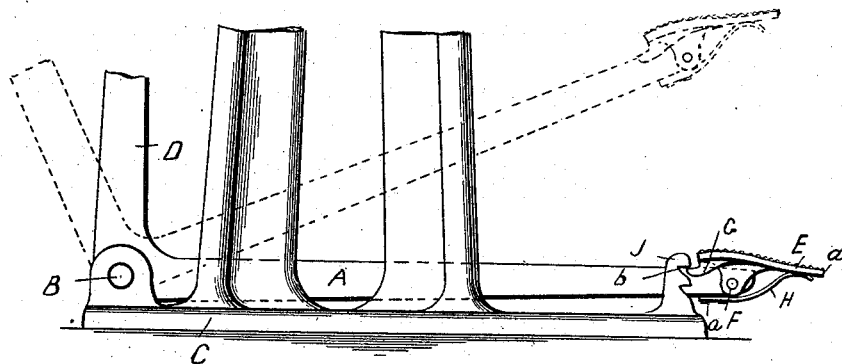


Fig. 1.

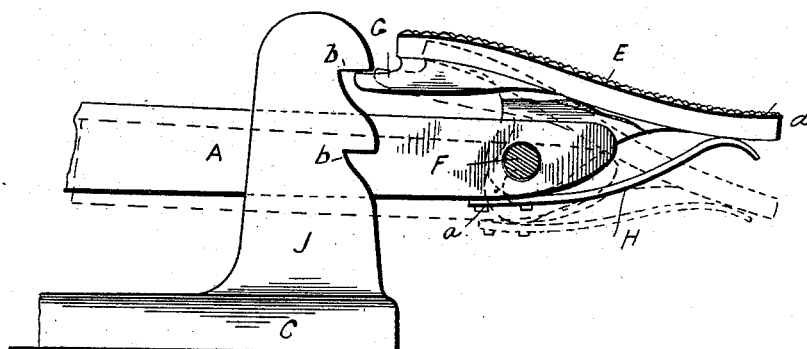


Fig. 2.

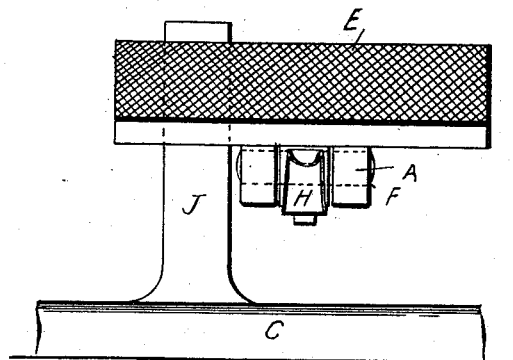


Fig. 3.

witnesses
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UNITED STATES PATENT OFFICE.

ALFRED T. TREGURTHA, OF EVERETT, ASSIGNOR TO HENRY A. CLARK, OF
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MACHINE-TREADLE.

SPECIFICATION forming part of Letters Patent No. 418,661, dated December 31, 1889.

Application filed February 18, 1889. Serial No. 300,516. (No model.)

To all whom it may concern:

Be it known that I, ALFRED T. TREGURTHA, of Everett, in the county of Middlesex and State of Massachusetts, have invented certain
5 new and useful Improvements in Machine-Treadles, of which the following is a full, clear, and exact description.

This invention consists of a treadle pivoted to any suitable support for operation thereof,
10 and having a foot-piece pivoted thereto and provided with a projection or stud for engagement with a notched bar or standard, all substantially as hereinafter fully described, reference being had to the accompanying sheet
15 of drawings, in which—

Figure 1 represents a treadle provided with the present invention in side view and as locked, and in dotted lines as released. Fig. 2 is a side view of the locking end, and Fig. 3
20 a detail front view of the same, Figs. 2 and 3 being enlarged.

In the drawings, A represents a treadle, pivoted at B to the support C and adapted by its end D to be connected to any desired machine—for instance, a press—but not needing
25 to be described or shown in this application. The treadle has a foot piece or pad E, pivoted at F, so as to swing vertically thereon within certain limits, having a stud or projection G, and a spring H, adapted to bear against its
30 under side and secured to the treadle at a.

J is a standard secured to the support C and having on its outer edge a series of notches b, with which notches the stud of the foot-piece on the treadle is arranged to engage
35 when the lever is swung down, (see Figs. 1 and 2,) the standard being secured in such position in relation to the treadle-pivot that when moved down into the position shown in
40 Fig. 1 its stud will engage with any one of the notches desired. With the treadle moved down and its stud engaged with a notch, the foot-piece is held by the resistance of the machine or other mechanism connected to the
45 treadle to such engagement, and thus the treadle is held in such position, being locked,

as it were. The stud of the foot-piece is in such relative position to the pivot of the foot-piece that when the treadle is so locked the greater the resistance of the machine to the
50 treadle the more positive and firmer is it held in such position, preventing accidental detachment.

To release the treadle, press it down slightly and swing the foot-piece down at its front
55 edge d, which releases its stud from its engagement with the notch, and being held in such position it is free to pass by the notches, so that then the treadle can rise into the position shown in dotted lines in Fig. 1. By
60 this attachment to a treadle it can be easily and conveniently locked in the position desired and as easily unlocked.

If desired, the spring can be dispensed with, although it is preferable to use it.
65

In lieu of having the projection or stud G on the foot-piece, it can engage by its rear edge with the notched bar; but it is preferable to have a projection.

Having thus described my invention, what I claim is—
70

1. A machine-treadle having a foot-piece pivoted thereto and provided on one end with a projection or stud adapted to engage by the swinging of the foot-piece with a notched bar
75 or standard, for the purpose specified.

2. A machine-treadle having a foot-piece pivoted thereto and provided with a projection or stud adapted to engage with a notched bar or standard, and a spring bearing against
80 said foot-piece, for the purpose specified.

3. A machine-treadle having a foot-piece pivoted thereto and adapted to engage by the swinging of the foot-piece with a notched bar or standard, for the purpose specified.
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In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ALFRED T. TREGURTHA.

Witnesses:

BLANCHE E. TREGURTHA,
JAMES TREGURTHA.