No. 698,212. Patented Apr. 22, 1902.

C. A. MILLER.

ADJUSTABLE RATCHET DEVICE.

(Application filed Feb. 11, 1902.)

(No Model.)

Fig. 1.

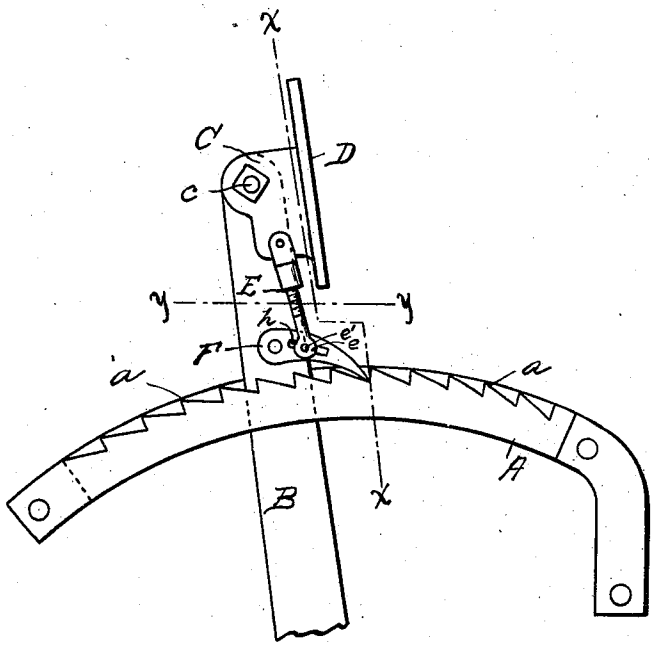


Fig. 2.

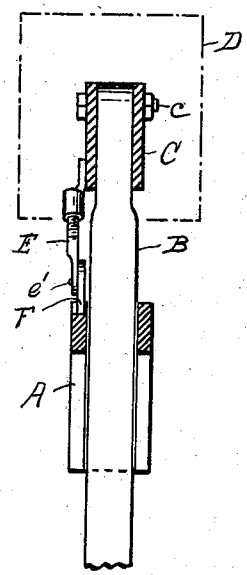
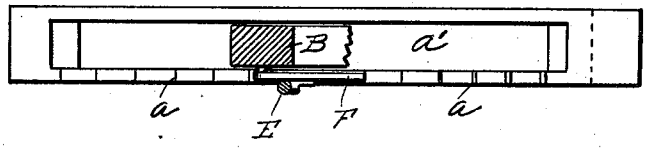


Fig. 3.



Witnesses
Florence Kelly
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UNITED STATES PATENT OFFICE.

CHARLES A. MILLER, OF READING, PENNSYLVANIA.

ADJUSTABLE RATCHET DEVICE.

SPECIFICATION forming part of Letters Patent No. 698,212, dated April 22, 1902.

Application filed February 11, 1902. Serial No. 93,484. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. MILLER, a citizen of the United States, residing at Reading, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Ratchet Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in an adjustable ratchet device intended more particularly for use on a brake-lever for automobiles and the like.

The invention is particularly applicable to power-wagons, as stated, for the reason that it permits the brake to be applied and held in any desired position without the necessity of continued foot-pressure, as is usually the case.

The invention is fully described in the following specification and clearly illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my ratchet device. Fig. 2 is a vertical sectional view taken on line X X of Fig. 1; and Fig. 3 is a plan view, partly in section, on line Y Y of Fig. 1.

The ratchet-frame A is of a construction such as is frequently used, being in the form of an arc and provided with the usual teeth *a* in its upper face. The operating-arm B passes through the longitudinal opening *a'* in said frame and extends some distance above it. To the upper end of this arm B, I provide a shoe C, pivoted to said arm at a point *c* and carrying a foot-plate D. To the lower end of said shoe C, on one side thereof, is secured pivotally a depending adjustable rod E, having an eye *e* formed in its lower end, through which a pin *e'* passes, and is capable of adjustment in a slot *h* in the body of the pawl F. This pawl is pivoted to the arm B a short distance above the face of the toothed frame A, and its free end is adapted to fall into engagement with said teeth *a*. It will be seen from this construction that my device may be so adjusted by means of the pin *e'* in the slot *h* that the foot-plate D will require only a given movement before the pawl F will be raised free from the teeth *a*, and this may be adjusted to suit each individual operator.

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

In an adjustable ratchet device, a toothed frame A having an elongated opening, an operating-arm B extending through said opening, a pawl pivoted to said arm and adapted to engage the teeth on said frame, a shoe C, a foot-plate D formed on said shoe, said shoe pivoted to the free end of said arm, depending rod E, and a pin *e'* secured to said rod E and adapted to engage a slot in said pawl, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES A. MILLER.

Witnesses:

ED. A. KELLY,

JOHN H. LEWIS.