E. J. BLOOM.

EXTENSIBLE PEDAL.

APPLICATION FILED NOV. 1, 1916.

1,213,826. Patented Jan. 30, 1917.

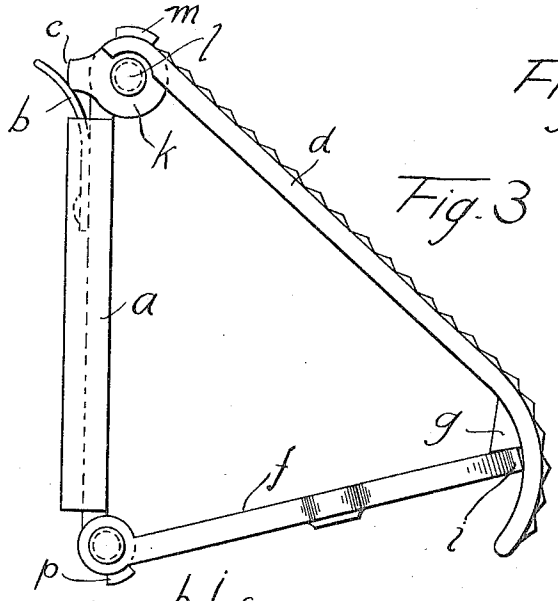


Fig. 3

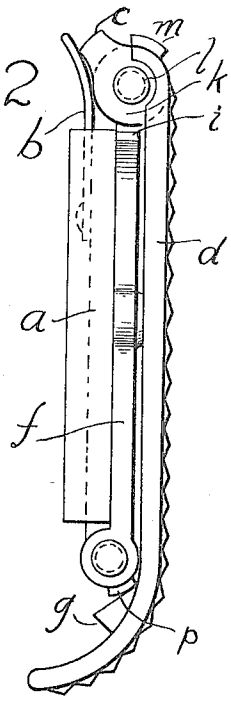


Fig. 2

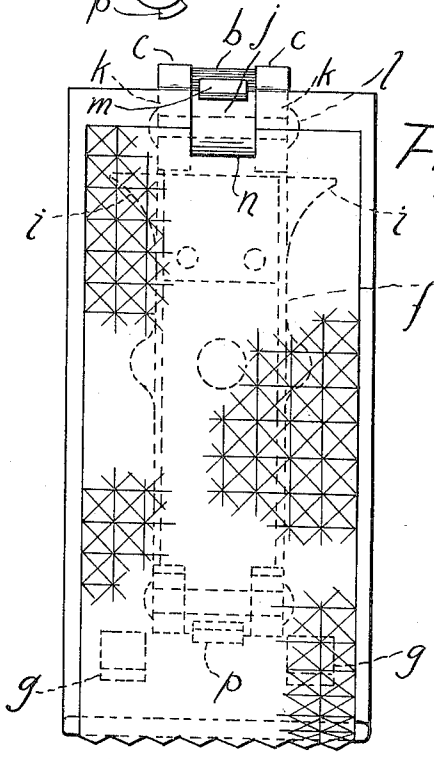


Fig. 1

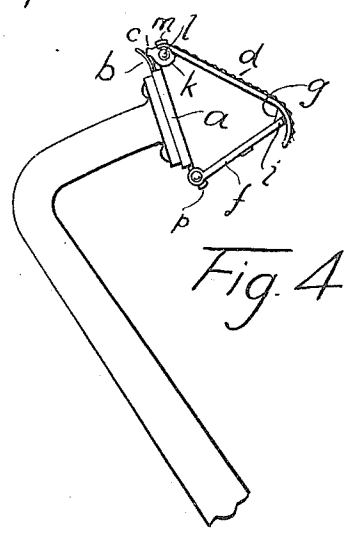


Fig. 4

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EXTENSIBLE PEDAL.

1,213,826. Specification of Letters Patent. Patented Jan. 30, 1917.

Application filed November 1, 1916. Serial No. 129,005.

To all whom it may concern:

Be it known that I, EDGAR J. BLOOM, a citizen of the United States, residing at Tiffin, county of Seneca, State of Ohio, have invented a certain new and useful Improvement in Extensible Pedals, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to extensible pedals.

It has for its object a device whereby a pedal may be very readily shortened or lengthened so that it can be reached by persons having legs of different length.

The extension devices are primarily intended for use on automobile control pedals.

In the drawings, Figure 1 is a plan view of the extension. Fig. 2 is a side elevation. Fig. 3 is a side elevation showing the extension folded out for the purpose of lengthening the pedal. Fig. 4 shows the extension applied to the ordinary brake or clutch pedal.

Numerous extensions for automobile pedals have already been devised but a great many of them are open to the objection that they require adjustment, taking time. It is the purpose of this extension to afford a device which may be very easily and quickly adjusted to either the long or short position, or intermediate position, if these are desired. It comprises a base plate *a* which is shown in Fig. 4 as bolted to the pedal but which might be otherwise secured thereto, or if the device and the pedal are manufactured together, this base plate could be made an integral part of the pedal. The base plate is provided at its upper end with a stiff flat spring *b* adapted to engage against the lugs *c*, *c*, of the foot rest *d*. This tends to keep the foot rest folded against the base plate as shown in Fig. 2 and also tends to prevent rattling by reason of the yielding stress with which the two plates are held together.

The position shown in Fig. 2 is the short position, that is to say, the position which the device assumes when it is not desired to materially lengthen the pedal. When a shorter person desires to use the pedal, the lower curved end of the foot rest may be grasped and pulled out and the brace *f* dropped behind the lug *g* on the inside of the lower end of the foot rest. These lugs or bosses are raised at the sides of the under face of the foot rest as shown in Fig. 1. The lugs, therefore, do not interfere with the folding up of the brace and base plate together with the foot rest as shown in Fig. 2. Side extensions *i* are provided on the end of the brace so as to reach out to engage the lugs.

It will be noted that the base plate *a* is provided with a knuckle *j*, while the foot rest is provided with a pair of narrow knuckles *k*. The pintle *l* reaches through the apertures in the knuckles to form a hinge. The knuckle *j* is provided with a stop *m* adapted to engage with the abutment *n* on the foot rest so as to prevent the foot rest from opening out any farther than just sufficiently to allow the brace to be opened up and the lugs to clear the end of the brace when the same is being fitted into the notches *g*. Similarly on the knuckles of the hinge that connects the base plate *a* and the brace *f* a stop *p* is located for the same purpose of limiting the outward movement of the brace *f* with respect to the base plate.

Only one set of lugs *g* and one set of extensions *i* are shown, but of course several sets could be used, securing slight variations in the projection of the foot rest, and hence slight variations in the length of the pedal. These, of course, come within the spirit of my invention.

What I claim is:

1. An extension for pedals, having in combination, a base plate adapted to be supported upon the pedal lever, and a foot rest secured thereto and adapted to be swung out and secured in such swung out position for the purpose of lengthening the pedal, substantially as described.

2. A pedal lever extension, having in combination with a pedal lever, a base plate supported thereupon, and a foot rest which folds out and is securable in such folded out position to extend the pedal, substantially as described.

3. A pedal lever extension, having in combination, a base plate adapted to be supported by the pedal lever, a foot rest pivoted to one end of the base plate, and a brace pivoted to the other end, the foot rest folding out to lengthen the pedal lever and the

brace folding out to hold the foot rest spaced from the base plate.

4. A pedal lever extension, having in combination, a base plate supported by the pedal lever, a foot rest pivoted to one end of the base plate, a spring thrusting against the foot rest tending to force it toward the base plate, and a brace secured to the base plate and adapted to fold out to hold the foot rest in a folded out position against the stress of the spring.

5. A foot lever extension, having in combination, a base plate adapted to be supported by the foot lever, a spring secured thereto, a foot rest pivoted to the upper end of the base plate and provided with projecting lugs adapted to engage the free end of the spring, the under side of the foot rest being provided with a lug, and a brace pivoted to the lower end of the base plate and whose free end is adapted to engage the lug.

6. A foot lever extension, comprising a base plate adapted to be supported by the foot lever, a foot rest hinged to the top of the base plate, a stop or abutment on such hinge to limit the outward throw thereof, a brace pivoted to the lower end of the base plate, a stop and abutment to limit the outward throw of the brace, and a spring secured to the base plate and thrusting against the foot rest tending to close the same.

In testimony whereof, I sign this specification.

EDGAR J. BLOOM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."