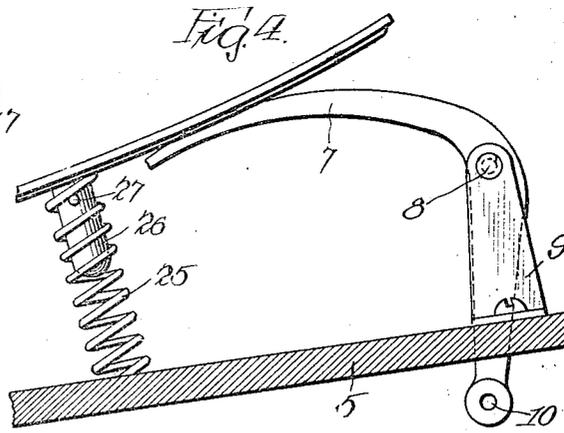
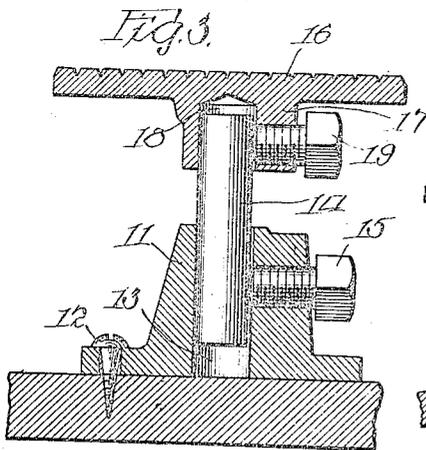
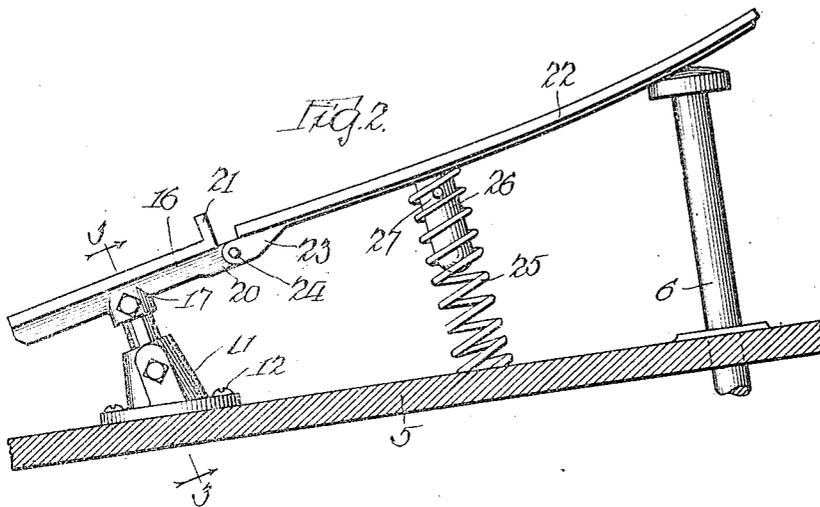
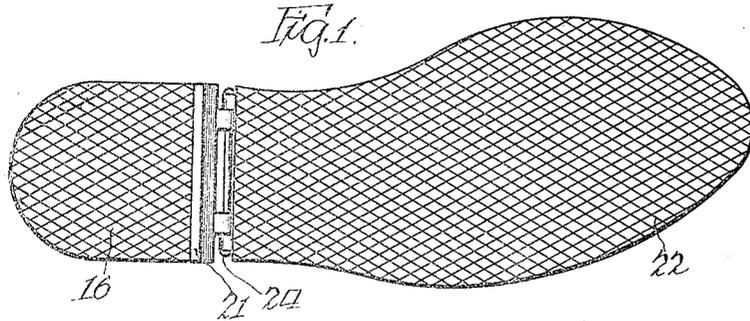


I. SCHWARTZ,
 ACCELERATOR OPERATING MEANS.
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1,281,854.

Patented Oct. 15, 1918.



WITNESS:

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UNITED STATES PATENT OFFICE.

IGNATZ SCHWARTZ, OF CHICAGO, ILLINOIS.

ACCELERATOR-OPERATING MEANS.

1,281,854.

Specification of Letters Patent.

Patented Oct. 15, 1918.

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To all whom it may concern:

Be it known that I, IGNATZ SCHWARTZ, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Accelerator-Operating Means, of which the following is a specification.

My invention relates to accelerator operating means, and has for its object the provision of a device of the character described which is adapted to support the foot of an operator, at the same time providing means for operating the accelerator.

A further object is the provision of a simple and efficient device of the character mentioned which is adjustable to various heights, and one in which the heel support is rigidly mounted, while the toe support portion is swingingly mounted.

Other objects will appear hereinafter.

An embodiment of my invention is shown in the accompanying drawing, forming a part of this specification, and in which—

Figure 1 is a plan view of a device embodying my invention.

Fig. 2 is a side elevation of the same indicated as applied to a portion of the toe board of an automobile, or the like.

Fig. 3 is an enlarged section taken on line 3-3 of Fig. 2; and

Fig. 4 is a fragmental view illustrating my apparatus in connection with an accelerator of a different style than that shown in Fig. 2.

Referring more particularly to the drawing, I have indicated a portion of the toe board, or other part of the floor of an automobile 5, through which an accelerator rod 6 is mounted. The accelerator rod 6 may be of any desired or conventional construction and operated by sliding through the floor part 5, in the usual manner.

My device is adapted to fit the accelerator operating part of most accelerators now in use. It will be apparent from Fig. 4 that those accelerators which have an operating lever 7, are also operable by my device. In this type of accelerator operating arms, the lever 7 is pivoted as at 8 to a casting 9 mounted on the toe board 5. The lever 7 continues through the floor and is provided with an eye 10 adapted for connection with a suitable part of an accelerator, not shown.

I preferably provide a base block or cast-

ing 11 which may be secured to the floor 5 in any desirable manner, such as by screws 12.

The base block 12 is provided with an upwardly extending opening 13 which preferably extends entirely through such block, as clearly indicated in Fig. 3. This opening 13 is preferably formed of uniform cross-section throughout, and of a cross-section of any shape, except round. I have termed such a shape as non-round. In the opening 13 I provide a short piece of rod 14 which is of a uniform cross-section throughout and adapted to substantially fit the opening 13. The purpose of having the opening 13 and rod 14 non-round is to prevent rotation of the rod 14 in the opening 13. The block 11 is preferably provided with a set screw 15 threaded therein, and such set screw adapted to engage the rod 14 to hold the latter against longitudinal movement in the opening 13.

At the top of the rod 14 I provide a heel support 16 which has a boss 17 on its lower side, and the boss provided with an opening 18 similar in cross-section to the opening 13 and engaging the upper end of the rod 14. The boss 17 is preferably threaded and a screw 19 fitted therein. The screw 19 is adapted to engage the rod 14 to lock the heel support 16 on the upper end of the rod 14. With a construction of this kind it will be apparent that the heel support 16 may be set at various heights above the floor 5 by loosening the screw 19 and moving the rod 14 upwardly or downwardly in the opening 13.

At one side of the boss 17 are ears 20 which are preferably integral with the boss 17 and heel support 16 although it is not essential that these ears be integral. Along the edge of the heel support 16, adjacent the ears 20, I provide an upwardly extending projection 21 which preferably extends entirely across this edge of the heel support and is provided to form a rest with a portion against which the heel of the operator may press in operating the device.

A toe support 22 is provided with ears 23 which engage or lie adjacent the ears 20, and a pintle 24 is passed through the ears 20 and 23 to form a pivotal connection between the heel and toe supports. With this arrangement the toe support 22 is free to move on the horizontal axis 20 without any movement of the heel support 16. The free

end of the toe support 22 is adapted to engage the upper end of the accelerator operating members 6 or 7, as clearly indicated. In order to facilitate supporting the toe portion 22 under the weight of the foot of an operator, I provide a resilient support, such as the spring 25. This spring permits the operator to allow his foot to rest comfortably on the toe part 22 without danger of operating the members 6 or 7, and yet is of sufficient flexibility to permit the members 6 or 7 to be operated easily. On the lower side of the toe portion 22 I preferably provide a lug 26 which engages and holds the spring 25, preventing accidental removal of the latter out of its operative position. As a further precaution a pin 27 may be placed in the lug 26 to engage the spring 25 and insuring that it will not be displaced.

While I have illustrated and described the preferred form of my invention, I do not desire to be limited to the precise details set forth, but desire to avail myself of such variations and changes as come within the scope of the appended claims.

I claim:—

1. An accelerator operating mechanism comprising a heel support rigidly mounted and adapted to be set at different heights; and a toe support pivoted to the heel support for vertical movement.

2. An accelerator operating mechanism comprising a heel support; a mounting holding the heel support against pivotal movement and adapted for vertically adjusting said heel support; a toe support pivoted to the heel support for vertical movement; and resilient means under the toe support exerting an upward force on the latter.

3. An accelerator operating means comprising a heel support rigidly mounted; means for adjusting said heel support to various heights; and a toe support pivoted to the heel support on a horizontal axis.

4. An accelerator operating means comprising a base block having an upwardly extending opening therein non-round in cross-section; a rod in and fitting said opening; means locking said rod against movement in said opening; a heel support secured to the upper end of said rod; and a

toe support pivoted to one edge of the heel support.

5. An accelerator operating mechanism comprising a base block having an upwardly extending opening therein non-round in cross-section; a rod uniform in cross-section throughout its length and in and substantially fitting said opening; a set screw threaded in said base block and engaging said rod; a heel support having a recess in its under side engaging the top of said rod and secured to the latter; ears at one edge of said heel support; a toe support having ears adjacent the ears on the heel support; and a pintle extending through said ears and pivotally connecting said toe support to said heel support.

6. An accelerator operating means comprising a base block having an upwardly extending opening therein non-round in cross-section; a rod in and fitting said opening; means locking said rod against movement in said opening; a heel support secured to the upper end of said rod; a toe support pivoted to one edge of the heel support; a lug on the lower side of the toe support; and a spring engaging said lug and exerting force upwardly on the latter.

7. An accelerator operating means comprising a base block; a heel support rigidly mounted on the base block; an upwardly extending projection along one edge of said heel support; and a toe support pivoted to said heel support along the edge of the latter at the base of said projection.

8. An accelerator operating means comprising a base block; a heel support rigidly connected on said base block; an upwardly extending integral projection along one edge of said heel support; integral ears on the heel support along the base of said projection; a toe support having one edge adjacent said projection; integral ears on said toe support adjacent the ears on said heel support; and a spring engaging the under side of said toe support exerting force upwardly on the latter.

In testimony whereof I have signed my name to this specification on this 20th day of April, A. D. 1918.

IGNATZ SCHWARTZ.