Aug. 21, 1923. 1,465,704

C. G. WOOD

CLUTCH CLAMPING LEVER

Filed Oct. 21, 1922

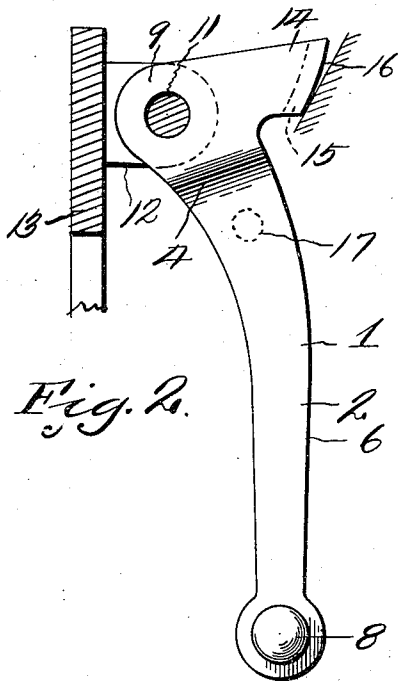


Fig. 2.

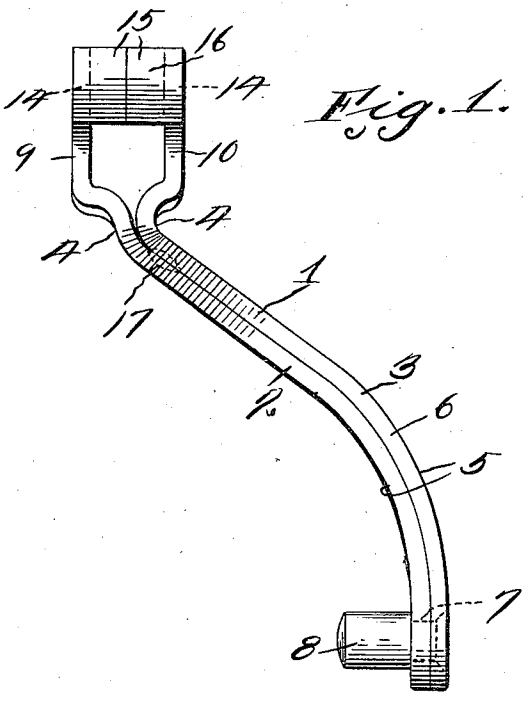


Fig. 1.

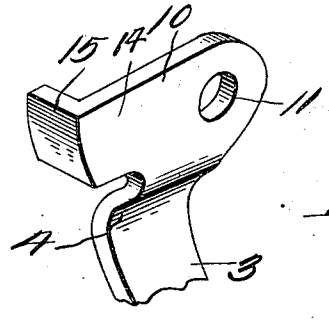


Fig. 3.

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CLARENCE G. WOOD, OF MUNCIE, INDIANA.

CLUTCH-CLAMPING LEVER.

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To all whom it may concern:

Be it known that I, CLARENCE G. WOOD, a citizen of the United States, residing at Muncie, in the county of Delaware and State of Indiana, have invented certain new and useful Improvements in Clutch-Clamping Levers, of which the following is a specification.

The invention relates to clutch clamping levers of the type used in connection with clamping plates of clutches, and also the type which is provided with a cam nose for cooperating with a bevelled surface for operating a clutch, and has for its object to provide a lever of this character formed from stamping thereby obviating machining parts of this character and reducing the cost of the lever to a minimum.

A further object is to provide a clamping lever formed from two registering stampings, the cam nose of the lever being formed by inwardly extending engaging flanges carried by the registering stampings. The stampings are preferably secured together by spot welding adjacent the nose end thereof and by the usual pin for engaging a thrust collar.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a front elevation of the clamping lever.

Figure 2 is a side elevation of the clamping lever.

Figure 3 is a detail perspective view of the upper end of one of the clamping levers.

Referring to the drawing, the numeral 1 designates a clamping plate lever, which lever is formed from sections 2 and 3. The sections are stamped from single sheets of material and are provided with bends 4 and 5. The sections 1 and 2 are in abutting engagement as shown in Figure 1, thereby forming the arm 6 of the lever. The lower ends of the stamped sections 2 and 3 are secured together by means of a pin 7, the end 8 of which is received in a conventional form of channel of a thrust collar. The upper ends of the stamped sections 2 and 3 are provided with offset portions 9 and 10 in parallel relation to each other, which portions are provided with apertures 11 for the reception of pivot pins after the clamping plate lug has been disposed between the offset portions. The clamping plate lug 12 is carried by a conventional form of clamping plate 13, which is operated in the usual manner.

Offset portions 9 and 10 are provided with arms 14, which arms terminate in inwardly extending flanges 15, which abut each other and form the nose 16 of the clamping lever, said nose being preferably eccentric to the pivotal point of the lever. After the pin 7 has been secured, thereby securing together the lower ends of the stamped sections 2 and 3, said sections are then spot welded together at 17. Each section 2 and 3 is stamped from a single sheet of metal, preferably in a single operation, and consequently it will be seen that the entire lever is formed with the minimum amount of labor at the minimum cost, and that machining is obviated.

The invention having been set forth what is claimed as new and useful is:—

1. A clutch clamping lever comprising an arm, a nose carried by said arm, said lever being formed from registering stamped sections.

2. A clutch clamping plate lever, said lever comprising an arm, a nose carried by said arm, said lever being formed from registering stampings, said nose being formed from inwardly extending integral lugs carried by the registering stampings.

3. A clutch clamping plate lever, said lever comprising an arm, a nose carried by said lever, said arm and nose being formed from registering stampings.

4. A clutch clamping plate lever, said lever comprising an arm, a camming nose carried by said lever, said lever being formed from registering stampings, the arms of the stampings being secured together, the upper ends of the arms being provided with offset integral ears formed with

the stampings, said ears being provided with outwardly extending portions, said outwardly extending portions terminating in ears extending towards and abutting each other and forming the nose of the lever.

5. A clutch clamping plate lever, said lever being provided with a curved arm, a nose carried by said lever, said lever being formed from registering stampings, means for securing said stampings together, said nose being formed from inwardly extending ears in alignment with each other.

In testimony whereof I affix my signature.

CLARENCE G. WOOD.