H. GALLET.

STRETCHING DEVICE FOR DRIVING CHAINS FROM MAGNETO OR LIGHTING DYNAMOS IN INTERNAL COMBUSTION ENGINES.

APPLICATION FILED DEC. 9, 1914.

1,166,979. Patented Jan. 4, 1916.

Fig. 1.

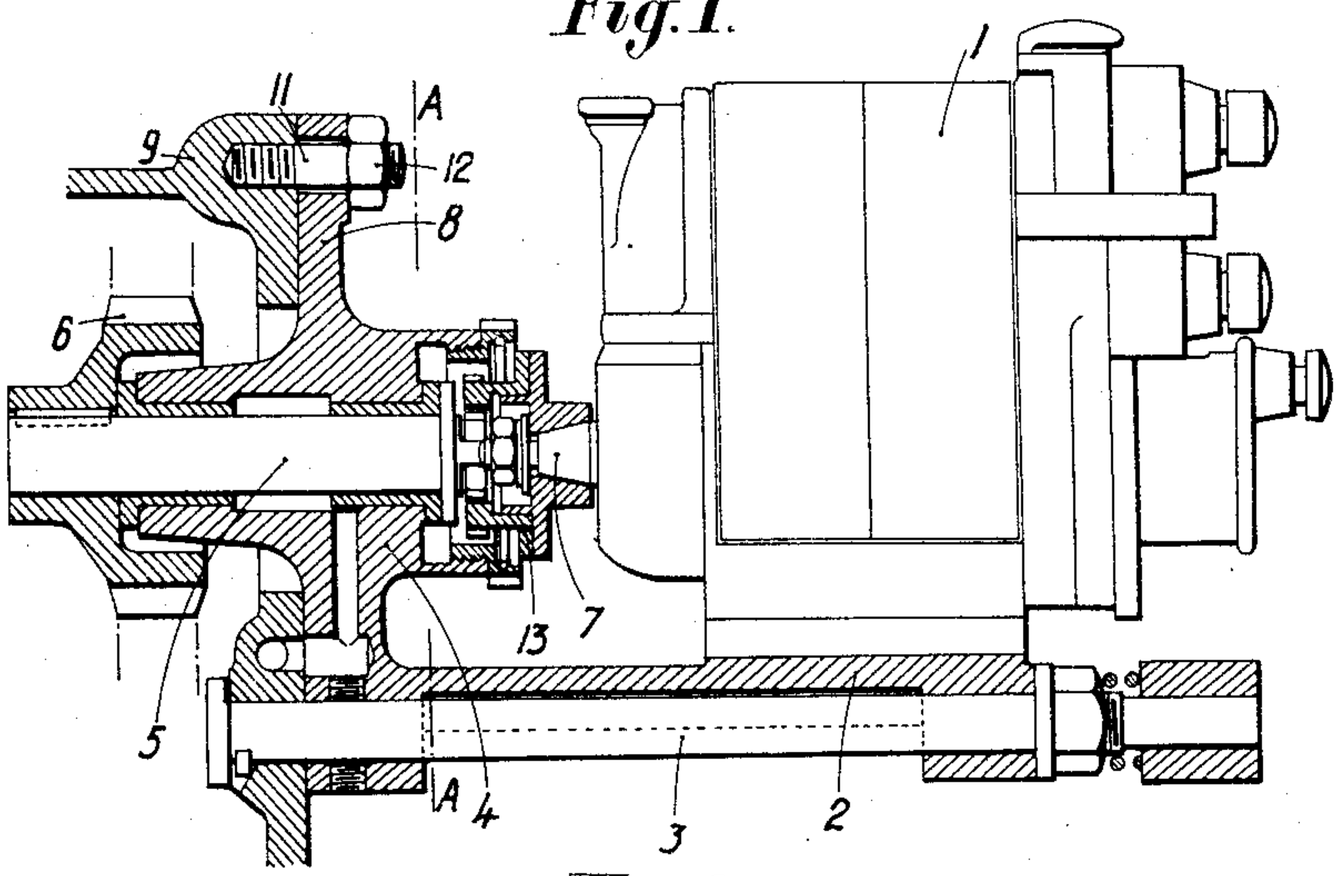
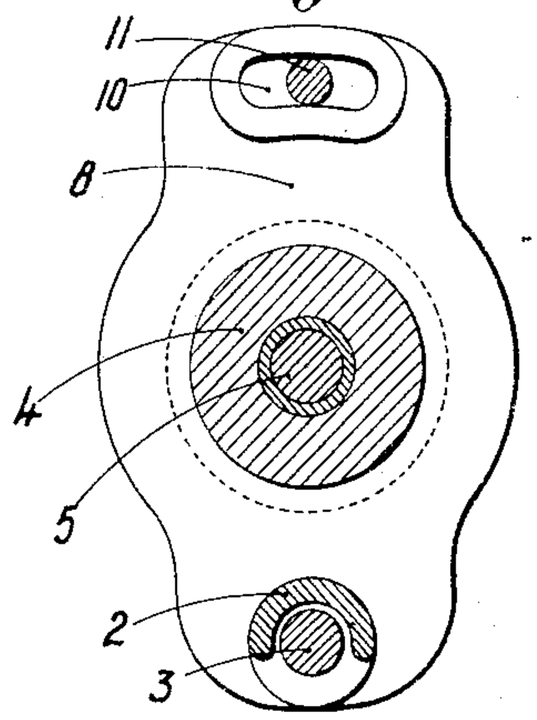


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

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STRETCHING DEVICE FOR DRIVING-CHAINS FROM MAGNETOS OR LIGHTING-DYNAMOS IN INTERNAL-COMBUSTION ENGINES.

1,166,979. Specification of Letters Patent. Patented Jan. 4, 1916.

Application filed December 9, 1914. Serial No. 876,331.

To all whom it may concern:

Be it known that I, HENRI GALLET, citizen of the French Republic, residing at Puteaux, Department of the Seine, in France, have invented certain new and useful Improvements in Stretching Devices for Driving-Chains from Magnetos or Lighting-Dynamos in Internal-Combustion Engines; 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.

The object of the present invention is to provide an improved device for stretching the driving chains from magnetos or lighting dynamos in internal combustion engines.

The magneto provided with its chain pinion is placed upon a bracket which is movable around an axis in order to regulate the tension of the chain. This bracket can be maintained in the wanted position by means of any suitable device.

On the drawing, Figure 1 is a partial view in section through the axis of the movable bracket of the magneto and Fig. 2 is a section on line A—A of Fig. 1.

The magneto 1 is placed on a bracket 2 which is movable around the axis 3 fixed, in the present instance, on the engine box. A bearing 4, placed upon the bracket 2, receives a shaft 5, the one end of which is provided with the chain pinion 6, while the other end is connected to the shaft 7 of the magneto by means of a coupling 13. The bearing 4 is provided with a projection 8 which is slidable on an extension of the engine box 9. In the present example, the projection 8 has an arcuate slot 10 which receives a stud 11 fixed upon the engine box. A nut 12 serves to fix the projection 8 in the wanted position.

The pinion 6 is connected by a chain to a pinion driven by the engine shaft. To regulate the tension of the chain, it is sufficient to unscrew the nut 12 and to move the magneto and its bracket around the axis 3 until a sufficient tension of the chain is obtained. The projection 8 is then maintained in this position by tightening the screw 12. It is certain that the projection 8 can be held in position by any other device.

This stretching device can be employed alone for other purposes, as for instance, to lighting dynamo, etc.

I claim:

The combination with a magneto and a motor from which the magneto is adapted to be driven, of a bracket having a laterally-extending portion on which the magneto is supported, a sprocket connected with the magneto and adapted to be driven from the motor, means for pivotally supporting the bracket on the frame of the motor below the magneto and sprocket so that they may be adjusted as a unit about the pivotal support of the bracket, an upwardly-extending portion on the bracket adapted to slide over a portion of the motor frame, and means associated with said upwardly projecting portion of the bracket to clamp the bracket in its adjusted positions.

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

HENRI GALLET.

Witnesses:

DE WITT C. POOLE, Jr.,

HENRI COHEN.