

No. 867,790.

PATENTED OCT. 8, 1907.

H. J. CARR.
ATTACHMENT FOR AUTOMOBILES.
APPLICATION FILED JULY 2, 1907.

Fig. 1.

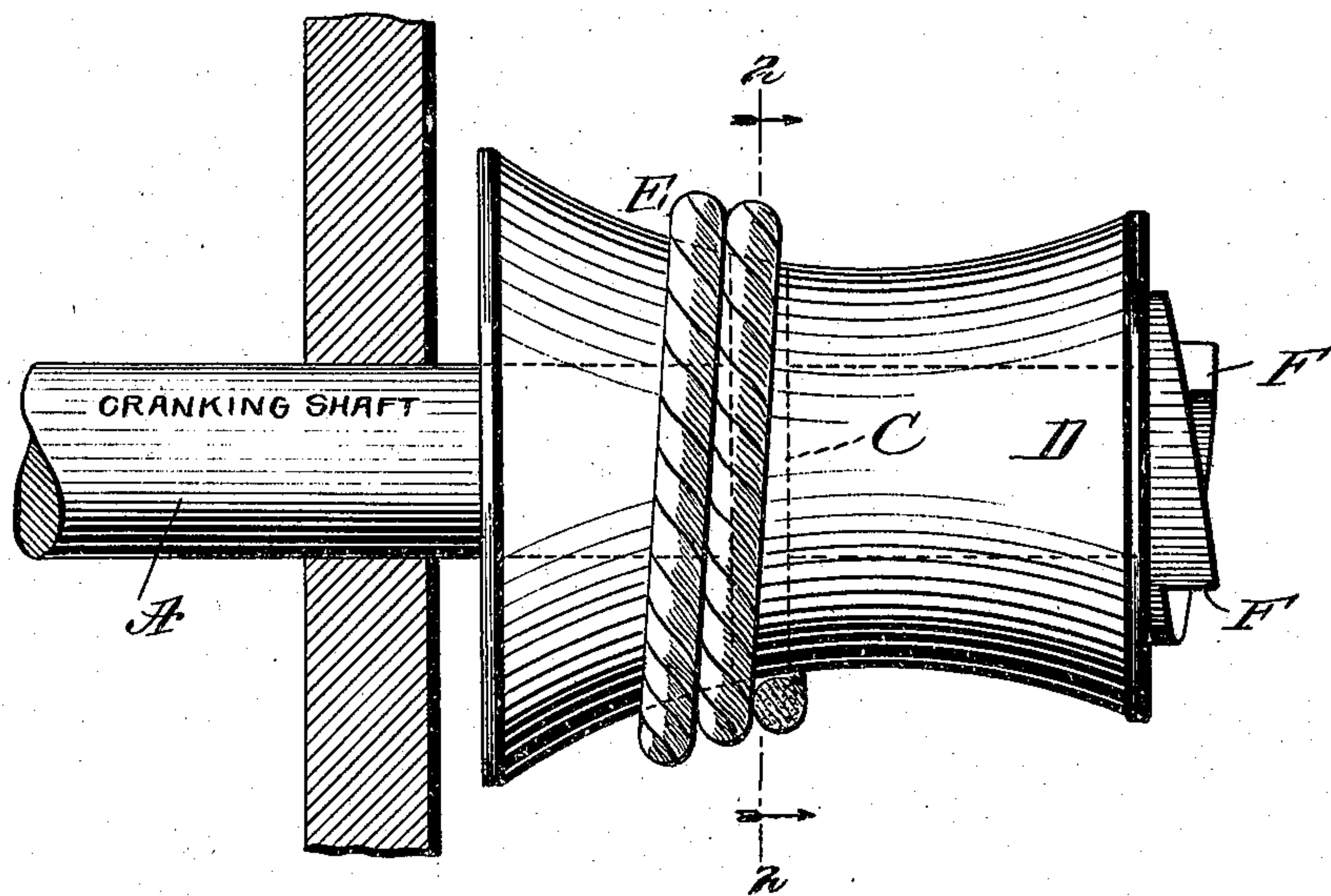


Fig. 2.

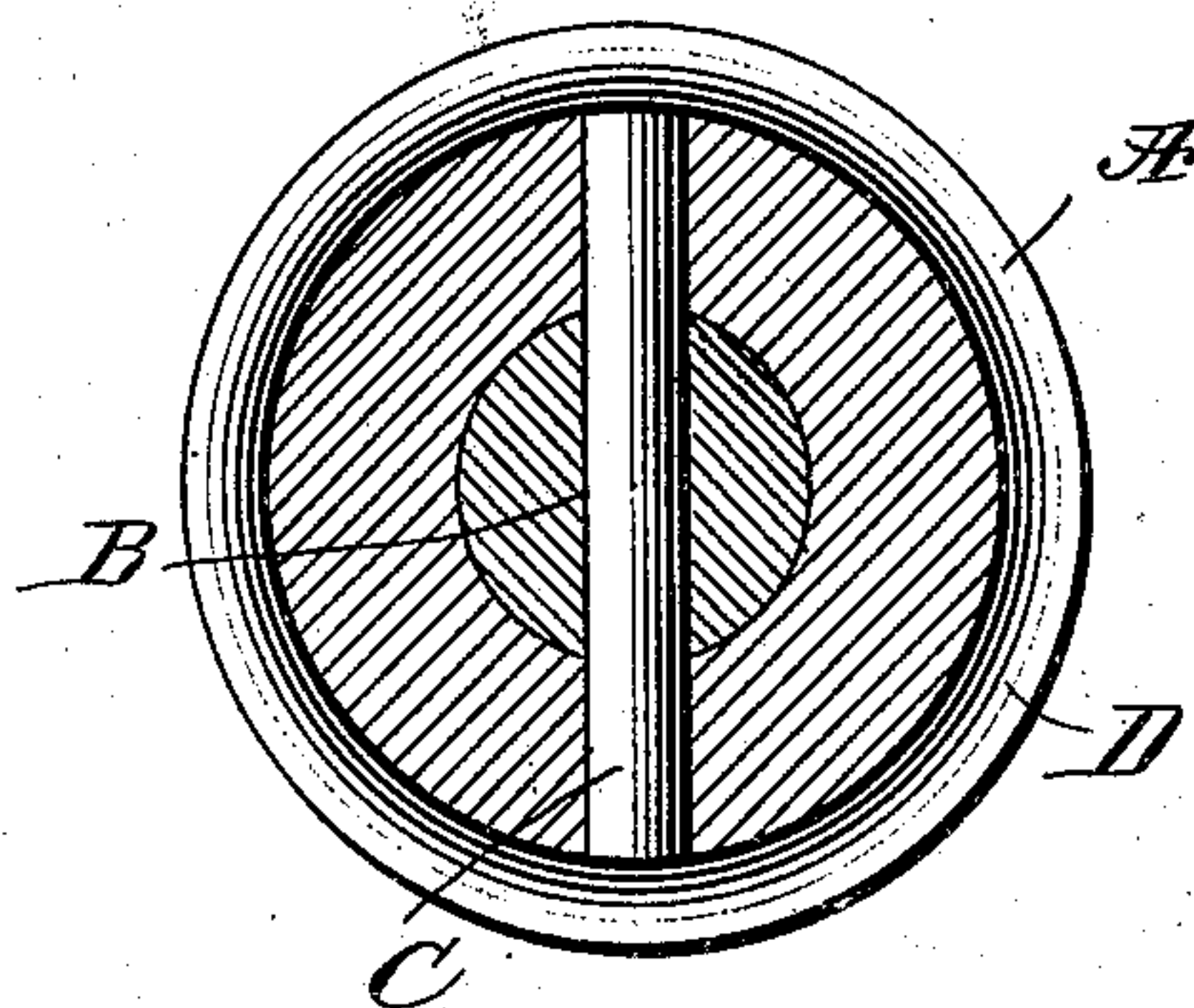
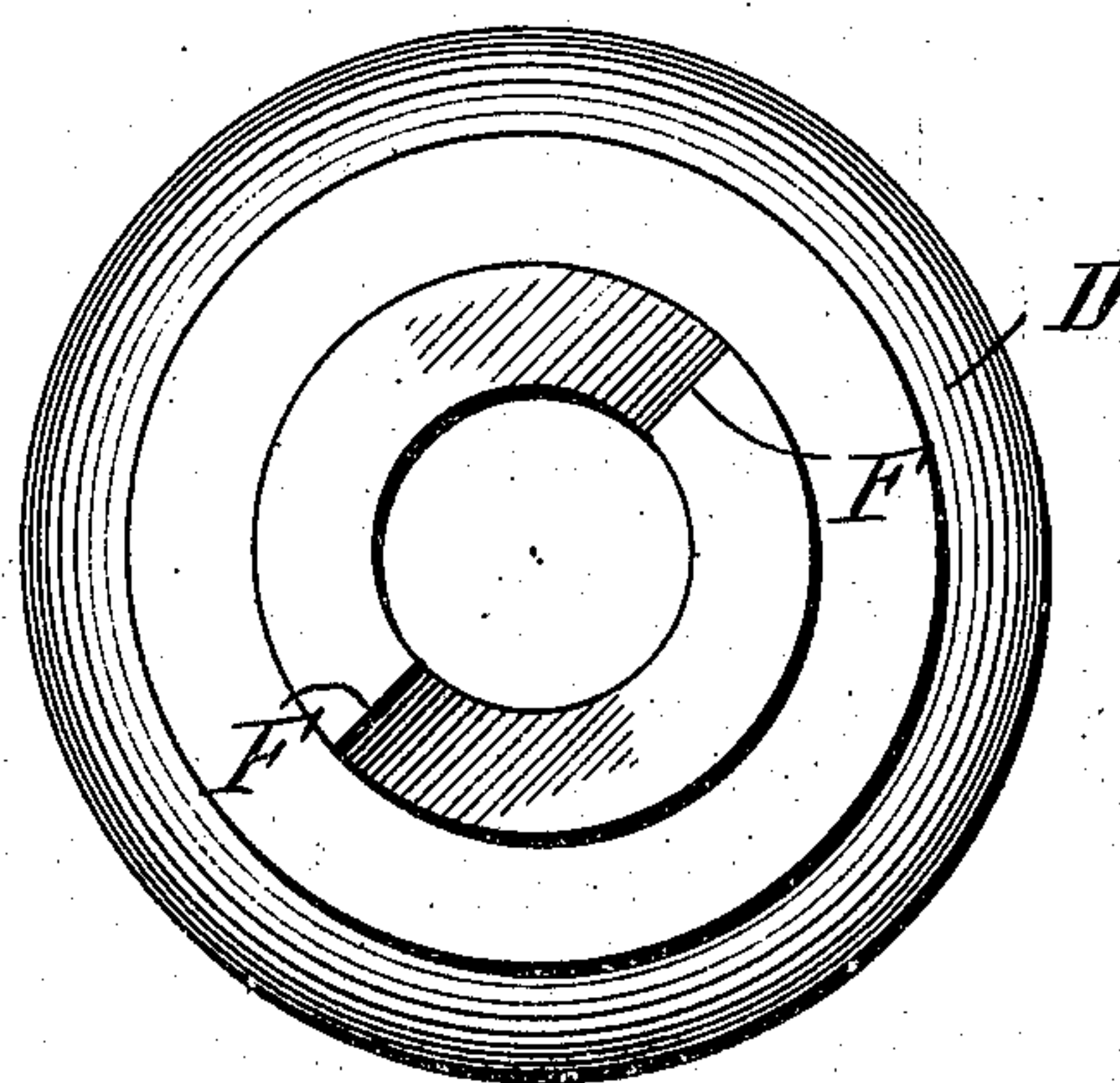


Fig. 3.



WITNESSES

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ATTACHMENT FOR AUTOMOBILES.

No. 867,790.

Specification of Letters Patent.

Patented Oct. 8, 1907.

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To all whom it may concern:

Be it known that I, HARRY J. CARR, a citizen of the United States, and a resident of Sumter, in the county of Sumter and State of South Carolina, have invented an Improvement in Automobile Attachments, of which the following is a specification.

My invention is an improvement in automobile attachments, and particularly in devices for connection with the cranking shaft of an automobile, whereby the engine of the automobile may cooperate with a drum and a cable thereon, in pulling the machine out of mud or out of a hole or ditch; and the invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing, Figure 1 is a side view of my improved attachment in connection with the cranking shaft of an automobile, parts of the latter being shown in section. Fig. 2 is a cross section of the drum and shaft, showing the pin for keying the drum to the shaft when in place; and Fig. 3 is a view of the outer end of the drum having the ratchet teeth thereon.

In the accompanying drawing, the cranking shaft A may in general respects be of ordinary construction, and has an opening B for the key or pin C by which the drum D is secured on the shaft and held to turn therewith. This drum D is adapted at E to receive a cable which may be passed two or three times around the drum, as shown in Fig. 1, and at the outer end of the drum I provide the ratchet teeth F which may be engaged by the starting crank in starting the automobile, the machine being cranked on the outer end of the drum, as will be understood from Fig. 1 of the drawing.

It will be noticed that the drum is fitted on the cranking shaft of the automobile and secured thereon, and the machine may be cranked on the outer end of the drum, and a rope fastened in front of the machine and passed two or more times around the drum, after which if the engine be started, it will operate to wind

the rope on the drum, and thus pull the machine toward the point where the rope is fastened, as will be readily understood from Fig. 1 of the drawing. In this operation, it will be noticed that the rope winds on the drum and immediately winds off again, the rope being only wound two or three times around the drum, and the loose end winding off and the slack rope being taken care of either by the party in the machine or by allowing it to fall to the ground. This renders it practicable to employ only a very small drum which should be light and compact and easily carried in the machine. In keying the drum on the shaft, I prefer to employ a pin as shown, passed through the drum and shaft as shown in Fig. 2 of the drawing.

The construction is simple, can be easily applied to machines now in use, and will operate efficiently for the purpose for which it is designed.

I claim:

1. The automobile attachment herein described, comprising the drum for application to a cranking shaft, and having a longitudinal bore or opening to receive the said shaft, a transverse opening intersecting the said longitudinal bore or opening, and ratcheted at its outer end for engagement by a crank handle, substantially as set forth.

2. An automobile attachment comprising a drum for application to a cranking shaft, and adapted between its ends to receive a winding rope or cable and ratcheted at its end for engagement by a crank handle, substantially as set forth.

3. The combination with a cranking shaft of an automobile, of a drum held thereon and adapted to receive a winding rope or cable, and ratchet devices at the outer end of the drum for engagement by a crank handle, substantially as set forth.

4. An automobile having its crank shaft provided with a drum adapted to receive a rope or cable, and means at the outer end of the said drum for engagement by a crank handle for cranking the shaft, substantially as set forth.

HARRY J. CARR.

Witnesses:

DAVIS D. MOISE.

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