Oct. 16, 1923. 1,470,993

L. A. LOUNDAGIN

HOLDER FOR MAGNETO CONTACTS

Filed Dec. 19, 1919

Fig. 1.

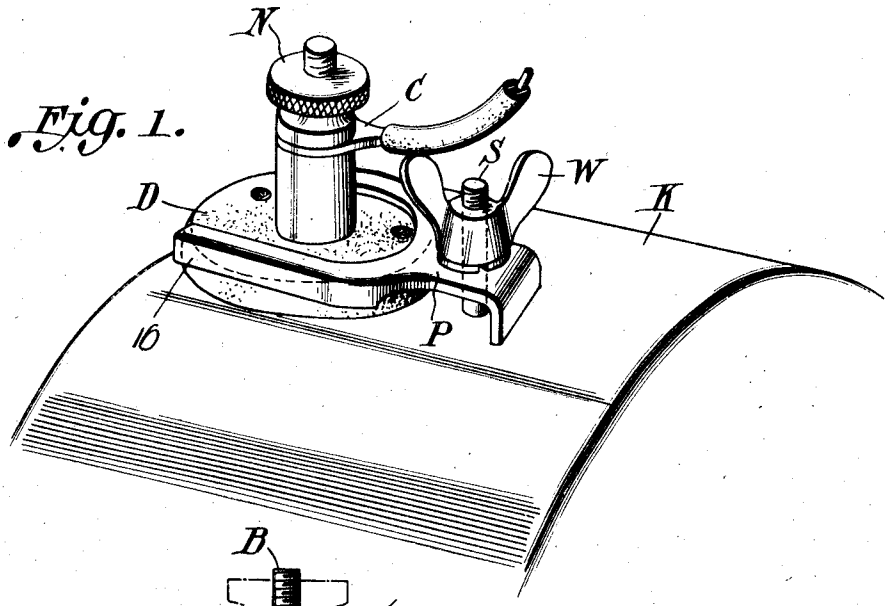


Fig. 2.

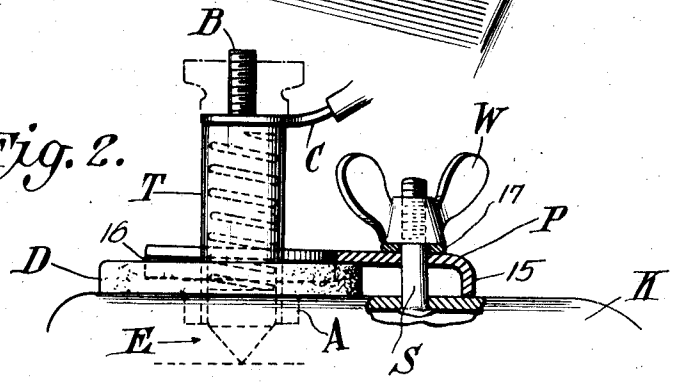
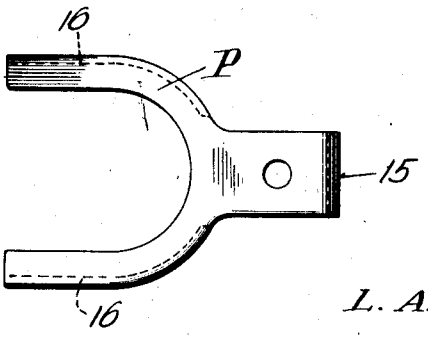


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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HOLDER FOR MAGNETO CONTACTS.

Application filed December 19, 1919. Serial No. 346,199.

To all whom it may concern:

Be it known that I, LAWSON AARON LOUNDAGIN, a citizen of the United States, and a resident of Crane, in the county of Harney and State of Oregon, have invented certain new and useful Improvements in Holders for Magneto Contacts, of which the following is a specification.

My invention relates to collector contacts for magnetos of the Ford type, a purpose of my invention being the provision of a device for securing the contact and binding post in proper position upon the crank case in such manner that they can be instantly removed for cleaning or inspection purposes without the necessity of removing screws or bolts as is the case in devices heretofore designed for this purpose.

I will describe one form of holding device embodying my invention, and will then point out the novel features thereof in claims.

In the accompanying drawings:—

Figure 1 is a view, showing in perspective one form of holding device embodying my invention in applied position to the contact and binding post of a magneto;

Figure 2 is a view similar to Figure 1, showing the device in side elevation and partly in section; and

Figure 3 is a detail view, showing in top plan the clamping plate shown in the preceding views.

Referring specifically to the drawings, in which similar reference characters refer to similar parts, K designates a crank case in which is housed a Ford type of magneto (not shown), and extending through the upper side of the crank case is a tubular conducting bushing T which is adapted to house a spring pressed contact element E, shown in dotted lines in Figure 2. As in the usual form of bushing, the bushing T is formed at its upper end with a binding screw B adapted to receive a binding nut N for securing a conductor C to the bushing. Snugly embracing the bushing T at a point contiguous to the outer side of the crank case K is a disk of insulating material D. Formed integral with and depending from the under side of the disk D is a collar A formed of insulating material. The bushing T is adapted to be secured upon the crank case K by a clamping plate P which holds the disk D in firm engagement with the crank case K. As illustrated to advantage in Figure 3, the plate P is of Y-shape formation with a depending lip 15 formed at one end to properly space the adjacent end of the plate from the crank case a distance corresponding to the thickness of the disk D. The parallel portions of the plate are formed with depending flanges 16 which as shown in Figure 1, are curved to embrace the periphery of the disk D. The plate P is securely held in engagement with the disk D by a stud S, the lower end of which is secured within the crank case K while its upper end is threaded to receive a winged nut W. As shown in Figure 2, the stud S slidably receives the plate P with the nut W engaging the upper side of the plate and thus holding the same in snug engagement with the disk D. A washer 17 is interposed between the plate and nut to allow free rotation of the latter upon the stud in clamping and unclamping the plate as will be understood.

When it is desired to remove the bushing T so as to effect a removal of the magneto contact, it is obvious that by removing the winged nut W from the stud S the plate P can be readily removed so as to disengage the disk D. The bushing may now be withdrawn from the crank case K carrying with it the magneto contact.

Although I have herein shown and described only one form of holding device embodying my invention, it is to be understood that various changes and modifications may be made herein without departing from the spirit of the invention and the spirit and scope of the appended claims.

Having thus described my invention, I claim:—

1. In combination, a crank case, a magneto contact including a bushing extending through the crank case, a disk carried by said bushing exteriorly of the crank case, a stud secured within the crank case, a plate mounted on said stud and engageable with said disk, said plate being of Y-shape formation, depending flanges formed on said plate and engageable with the periphery of said disk, a spacing lip at one end of the plate, and a nut threadedly mounted on said stud and engageable with said plate for

forcing the latter into engagement with said disk.

2. In combination, a magneto contact including a bushing, a disc carried by the bushing, a stud fixed adjacent to the disc, a plate of Y-shaped formation slidably mounted on said stud, depending flanges formed on said plate and engageable with the periphery of said disc, a spacing lip at one end of the plate, and a nut threadedly mounted on said stud and engageable with said plate for forcing the latter into engagement with said disc.

LAWSON AARON LOUNDAGIN.