

### **OVERHAULING THE WINDSCREEN WIPER**

Proceed by removing the wiper casing. To do this, first of all take off the operating lever by removing, with a small screwdriver, the slotted nut in its centre.

The two screws at the sides securing the cover then have to be taken out, but the switch can be left in-situ. It comes off with the cover. The latter can then be pulled off, exposing the motor. This will be seen to have a tri-polar armature and, of course, a three-segmented commutator. The latter should be inspected for cleanliness, and any traces of carbon or copper dust carefully removed with a soft rag moistened with petrol.

The two brushes may then be sprung out of their holders, cleaned, and replaced, making sure that they are quite free in their guides, and making good—and square—contact with the commutator. Whilst the cover is off, ascertain as far as can be seen that no internal wires are loose or fractured, and then replace the cover, screws, and operating arm. Should it be found thereafter that the wiper still refuses to operate, in all probability it requires an overhaul by a Lucas service station. *H.F.*