

An easily detachable filter is placed under the jet I. This filter is the only part of the carburettor that it is expedient to inspect. It should be cleaned from time to time. Our illustration N°7 shows the construction of our carburettor with such clearness that we need say no more about the method of dismounting it. Nevertheless, this should not be done unless absolutely necessary. Never attempt to alter the adjustment of the carburettor, which is done once for all at our works. From time to time unscrew the union S, to get rid of the water which is sometimes left in the pipes.

### **MAGNETO AND IGNITION** (fig. 8).

The ignition of the explosive mixture is effected by a high tension magneto driven by the engine.

This magneto consists of an armature formed by a soft iron core rotating between two pole pieces, joined together by a double magnet which serves as anti-field magnet.

The armature has a coil of primary wire and a coil of finer wire secondary current.

The alternating current induced by the variations of the magneto flux is interrupted at its point of greatest strength by a contact breaker revolving with the armature, called the make and break device and arranged in a box A. The extra break current being thus induced, an induction current is developed in the secondary wire coil, causing the spark to jump at the two poles of the plugs on this circuit.

The distribution of the current to the four plugs is effected by means of a rotary brush fitted on the magneto and revolving at half the speed of the engine. The diagram of the wiring (fig. 8) enables the sparking plugs to be replaced without difficulty.

Working is stopped by putting the magneto in short circuit by means of the switch A (fig. 5) of the dash board, a drawing of which is shown at C (fig. 8).

### **ADJUSTING.**

The working of the magnetos is at present so perfect as to only require the intervention of the driver on rare occasions. Nevertheless so that our clients shall not be taken by surprise, we give below the course to be adopted when the operation can be effected without the help of the maker.

In all other cases return the magneto to our agents:

#### **I. Adjustment of the make and break device.**

This device is contained in the cap A (fig. 8) which is easily detachable.

In the main, it consists of a movable rocking piece C (fig. 8, make and break device) rotating with the armature of the magneto, and having an adjustable platinum contact B, and or a fixed piece A also carried round with the armature and having an .....  
...platinum ..... D.