

Handwritten text in a highly decorative, cursive script, possibly a form of calligraphy or shorthand, rendered in white ink on a red background. The text is enclosed within a rectangular border made of light-colored paper or fabric.

TELEGRAMS :—

“TERMINALS, BIRMINGHAM.”

CODE :—A.B.C., 5TH EDITION.

TELEPHONE :—

478 EAST, BIRMINGHAM.



Registered Trade Mark.

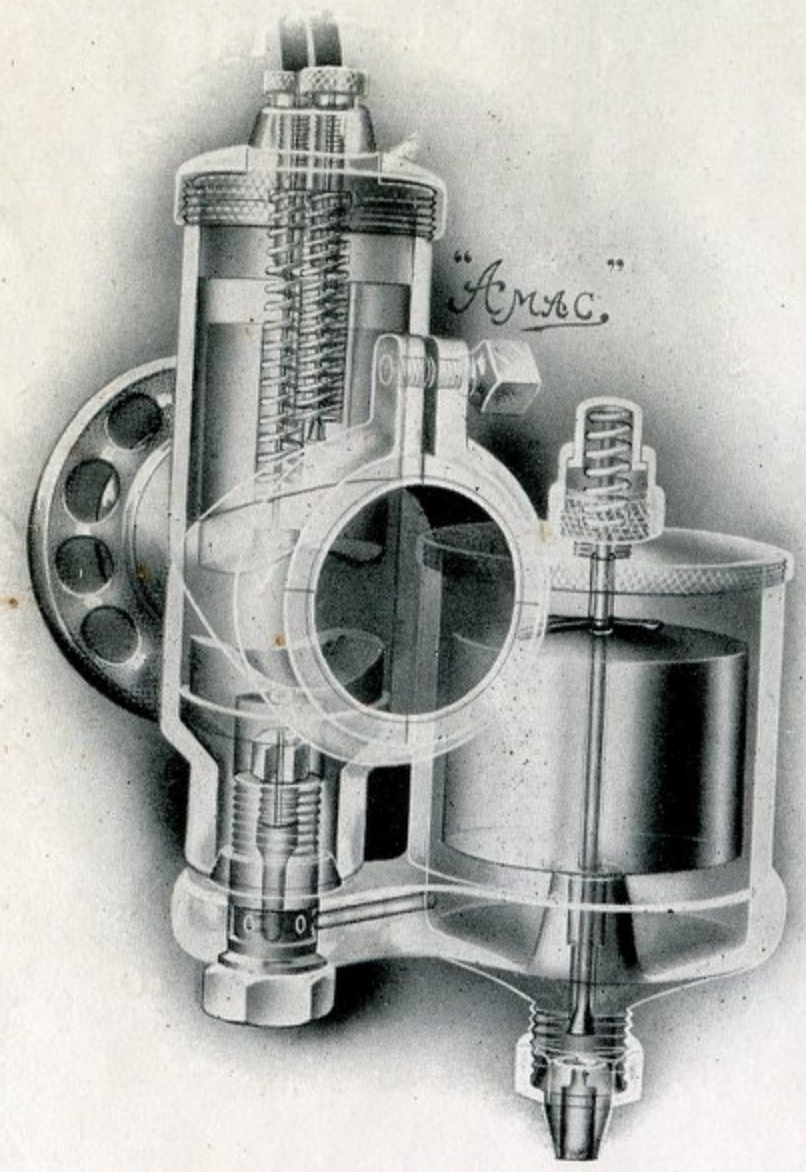
THE first principle of a successful business house is to satisfy its customers whenever possible and without consideration as to the trouble necessitated or incidental loss caused. Having from a small beginning worked up our specialised business to a place second to none either in this country or anywhere else, it is not our intention to forget that the strict and consistent adherence to the above rule has been to a great degree responsible in placing us where we are.

AMAC is synonymous for best design, best workmanship, best material and courteous treatment.

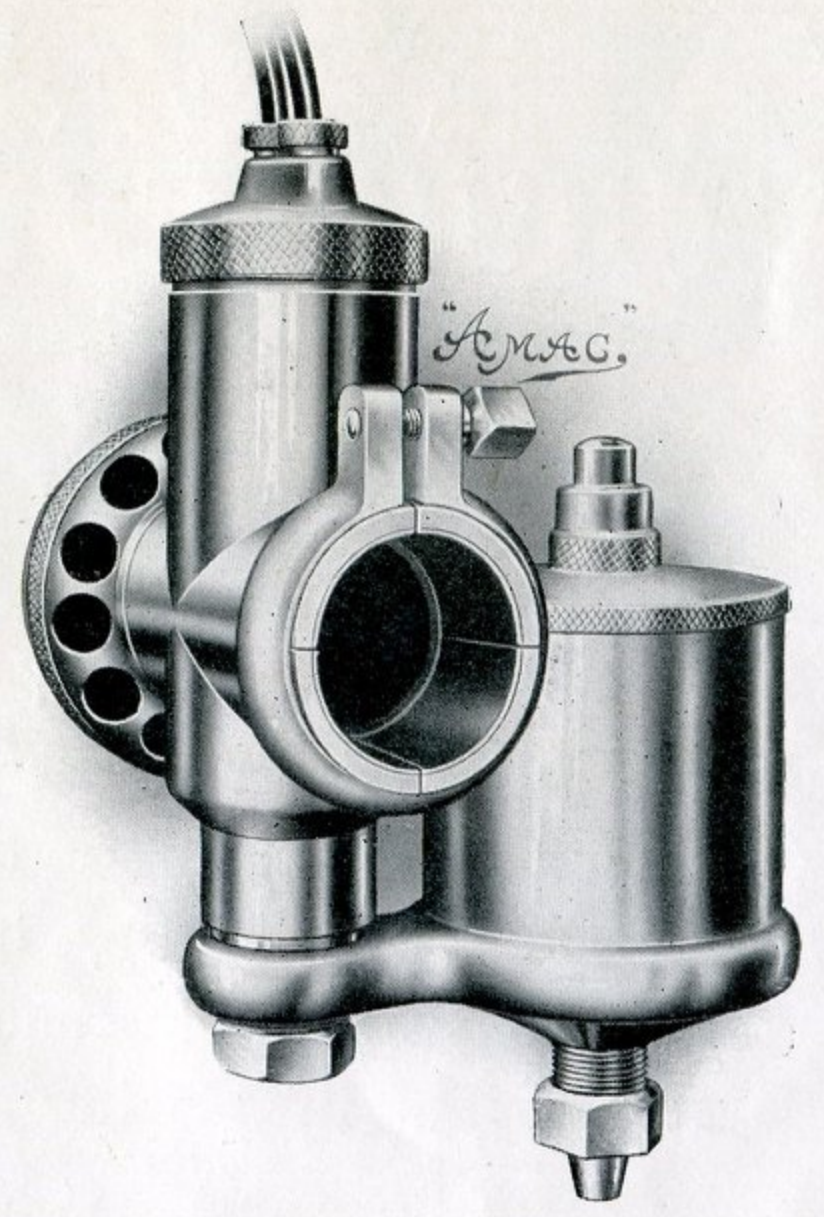
The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Carburettors.

Patented.



Type 15, 20, and 25E.



Type 30E.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Carburettors.

Principal Dimensions.

Type of Carburettor.	Bore of Engine.	Outside diameter of Inlet Pipe.	Bore of passage through Carburettor.	Outlet centre to top of Mixing Chamber.	Outlet centre to bottom of Float Chamber.	Outside diameter of Mixing Chamber.	Outside diameter of Float Chamber.	Float and Mixing Chamber centres.	Standard length of Cable.	Diameter of Handle Bar Clip		Weight (about), Complete.	Price Complete.	Price, less Control and Cable, but fitted with Cable Adjusters.
										Standard.	If Specified.			
		In.	In.	In.	In.	In.	In.	In.	Ft. In.	In.	In.	Lb. Ozs.		
15E.	80 m/m and over	1 $\frac{1}{8}$	1	2 $\frac{1}{8}$	2	1 $\frac{5}{16}$	2	**1 $\frac{3}{4}$	3 10	1	$\frac{7}{8}$	2 15	36/- ea.	29/-
20E.	70 m/m—80 m/m	1 $\frac{1}{8}$	$\frac{7}{8}$	2 $\frac{1}{8}$	2	1 $\frac{5}{16}$	2	**1 $\frac{3}{4}$	3 10	1	$\frac{7}{8}$	2 15	36/- ea.	29/-
25E.	60 m/m—70 m/m	* $\frac{7}{8}$	$\frac{3}{4}$	1 $\frac{7}{8}$	2	1 $\frac{1}{8}$	1 $\frac{3}{4}$	**1 $\frac{5}{8}$	3 3	1	$\frac{7}{8}$	2 5	33/6 ea.	26/6
30E.	60 m/m and under	$\frac{3}{4}$	$\frac{19}{32}$	1 $\frac{5}{16}$	1 $\frac{5}{8}$	$\frac{7}{8}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	3 0	1	$\frac{7}{8}$	1 7	30/- ea.	—

** We can supply Carburettors with these centres increased to enable the Float Chamber to be placed behind the Inlet Shield on the Carburettor.

* Type 25E can also be supplied to fit 1 in. outside diameter Inlet Pipe.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Carburettors.

Patented.

DESCRIPTION OF DESIGN.

Inverted needle, no weights and levers in float chamber. Single nozzle—multiple sprayer. Variable choke or air valve. Straight through passages. Special economiser for petrol blowback. Straight pull on cable at both ends.

TWO-LEVER CARBURETTOR.

FLOAT CHAMBER AND NOZZLE.

Our inverted needle valve has a seating quite three times as large as the ordinary needle valve, consequently wear need not be considered. Another point with this type of needle valve is that the tendency to flood on uneven roads is not as great as with the ordinary type. There are no weights or fulcrum pins whatever, therefore there is no wear, and as a result re-adjustment of the level is not necessitated after the carburettor has been on the road for a few hundred miles. The nozzle is easily removed without disturbing any other part, and with each carburettor four spare nozzles are supplied.

MIXING CHAMBER AND SPRAYER.

The mixing chamber is made with special spraying holes. By this arrangement much better vaporisation is obtained, as it is obviously better for the petrol to enter the air passage at several points than at one place only. The petrol enters into a small compartment through a single nozzle, stamped, as is usual, with its size in thousandths of an inch. This nozzle regulates the quantity of petrol let into this compartment, and as it is impossible to take out more petrol through the sprayer than the quantity let in through the single nozzle, it is clear that these spraying holes may be made large, and

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Carburettors.

Patented.

thus doing away with the general trouble in multiple nozzles of choked petrol orifices. Practically all the air is taken straight through the mixing chamber above the sprayer. There are no bends or obstructions to interfere with the flow of the mixture.

AIR AND THROTTLE VALVES.

These valves are perfectly free from the usual trouble of sticking, and are independently worked by two Bowden cables. The throttle valve shuts off the mixture perfectly and very gradually. The air valve is really a variable choke tube in its action, because as the air valve closes it gradually reduces the area just above the sprayer so that the air at this point always has the correct velocity necessary for perfect atomising of the petrol. As the air and throttle valve to a certain extent supplement each other, this carburettor is much more automatic in its action than the ordinary two-lever carburettor.

This supplementary action of the throttle valve in conjunction with the spraying arrangement, explains the wonderful acceleration and the flexibility of the AMAC; also it prevents liquid petrol from being taken into the engine at low speeds causing valves to break and overheating of cylinders.

CONTROL.

The Bowden cable controlling the carburettor has at all times a straight pull both at the carburettor end and at the handlebar end, and having no bends, no crystallisation of the cable wires takes place, therefore there are practically no breakages and troublesome repairs. The control itself is of simple action.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Carburettors.

Patented.

SPECIAL POINTS :—

Ease of Driving.

Acceleration.

Power, etc.

EASE OF DRIVING.

It is possible for an expert to handle most carburettors, that is at least, after a certain amount of practice. The AMAC is designed so that a novice may get on the machine and start off without the slightest trouble. The AMAC is semi-automatic, that is, it is fitted with two levers, "Throttle and Air," but for ordinary use it is only necessary to drive on the throttle lever. There are really only three positions for the air lever—1st, closed for starting ; 2nd, slightly open for town work ; 3rd, nearly open for country work.

ACCELERATION.

Slow running in traffic is very important, and the AMAC is as good as the best in this respect, but where the AMAC is quite in front of its competitors is in the acceleration from slow running. It cannot be too much emphasised that it is the most important side of driving. There are many machines quite capable of running slow, but the driver prefers to slip his clutch and race the engine, otherwise he would not be able to try to increase speed without stopping his engine. The AMAC user need not fear trouble in this direction. Also in the open country it is important. If you have a sluggish machine you do not instinctively go slow at cross roads, because of the difficulty of getting going again. The greatest pleasure in driving is to open up quickly and to feel how the motor responds to the call.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Carburettors.

Patented.

POWER.

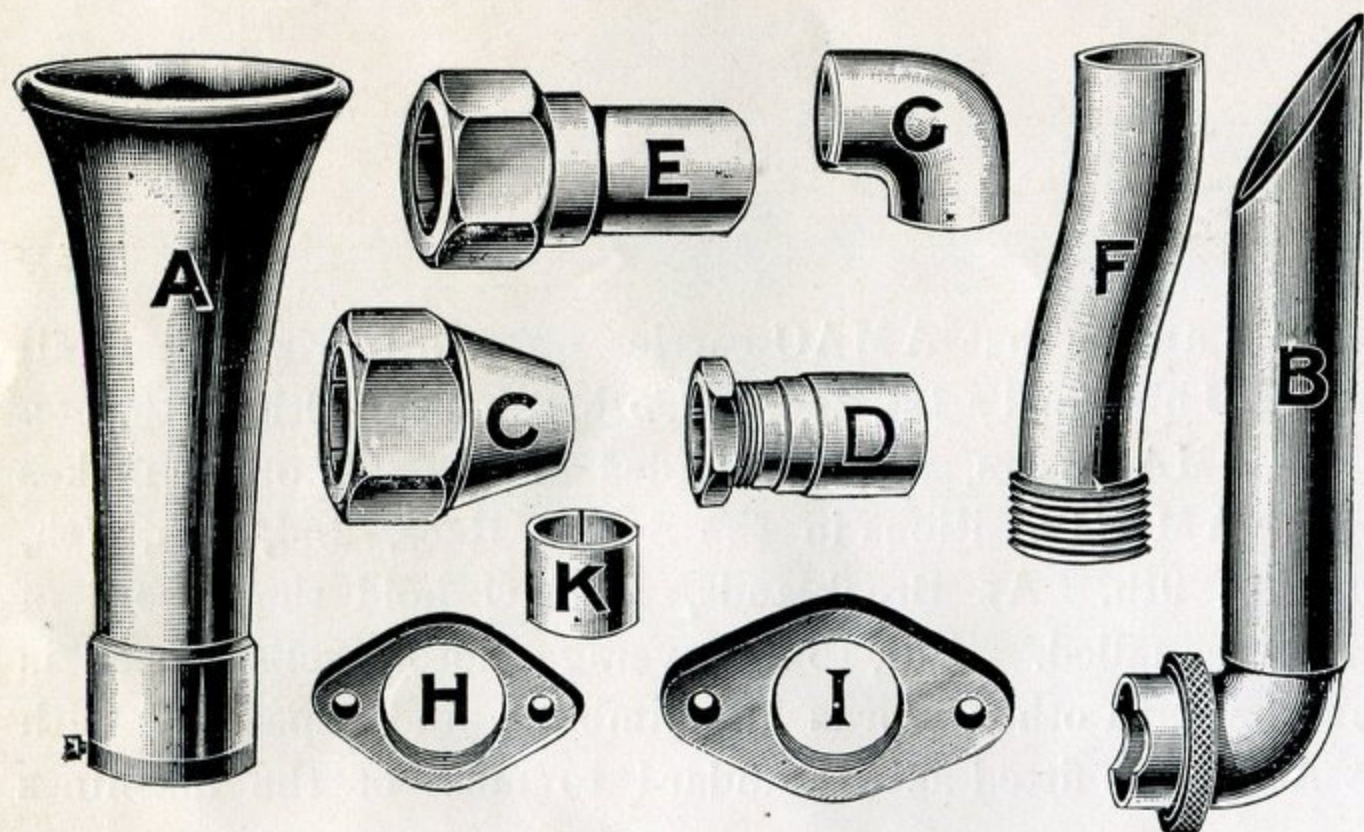
All who know anything about Motor Cycles and its competitions are aware that AMAC carries off more prizes than all others put together. In 1913 Tourist Trophy race, at the Isle of Man, AMAC obtained a 1st, 2nd, 3rd, 5th, 8th, 9th, 10th, 11th, etc. In 1914 Tourist Trophy races, out of 27 Gold Medals awarded, 14 went to AMAC users, and 13 divided amongst 6 other makes of Carburettors. The only Team prize also was won with AMAC's fitted. AMAC positions in the Senior Race, 2nd, 4th, 7th, 10th, 11th, 13th, 14th, 15th, 17th; and in the Junior, 2nd, 4th, 5th, 7th, 9th. At Brooklands, AMAC hold the record of records, in one day carrying off 22 world's records, which has never been equalled. Still, to the average motor cyclist speed is not so important as power pure and simple, that is, pulling power at slow speed, in other words hill-climbing, and especially with side-car machines. It is because of its capacity of giving this power that AMAC is fitted as a standard to most of the machines built specially for side-car work.

OTHER POINTS.

We could, of course, emphasise many other points, such as slow running flexibility, petrol consumption, reliability, accessibility, design, workmanship and finish, but we have preferred to take only what we consider the three most essential carburettor points—Ease of driving, acceleration, and power.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Aston Motor Accessories Co., Ltd.



A. Inducer Tube. Length of tube is $6\frac{1}{2}$ in. and diameter of enlarged end is 3 in. **Price, 3/6 each.**

B. Long Air Tube for twin cylinder engines. The outside of tube will stand $1\frac{3}{4}$ in. from standard gauze nut. Outside diameter of tube is $1\frac{1}{8}$ in. and length from centre of carburettor to the bevelled part of tube 5 in. **Price, 3/6 each.**

C. Adaptor to fit 25E. carburettor on $1\frac{1}{8}$ in. outside diameter inlet pipe. **Price, 2/6 each.**

D. Adaptor to fit 15E. and 20E. on $\frac{7}{8}$ in. outside diameter inlet pipe. **Price, 2/6 each.**

E. Adaptor to fit AMAC carburettor on Rudge motor cycles fitted with Senspray carburettor. **Price, 2/6 each.**

F. Adaptor to fit AMAC carburettor on Rudge motor cycles fitted with B & B carburettor. **Price, 2/6 each.**

G. Right angle elbow to suit 15E. and 20E., outside diameter $1\frac{1}{8}$ in. **Price, 2/- each.**

H. & I. Flanges that can be fitted to Carburettor if required. Distance between bolt hole centres, $1\frac{5}{8}$ in. H and $2\frac{9}{16}$ in. I, and diameter of bolt hole H and I, $17/64$ in. **Price, 2/6 each.**

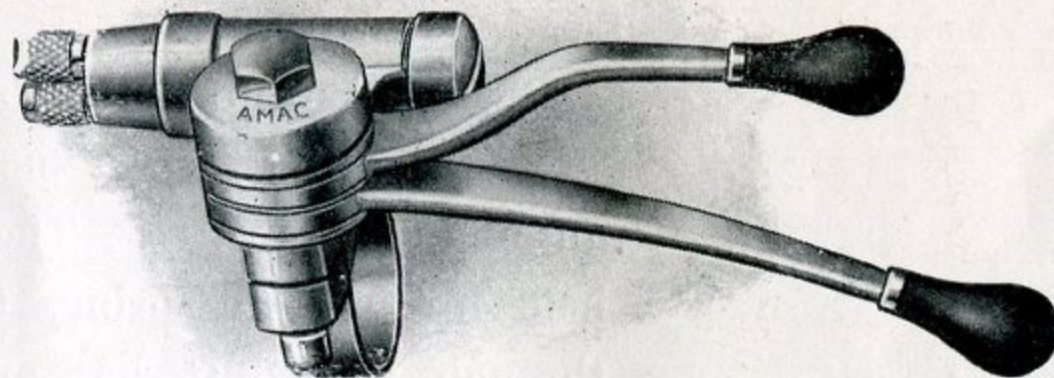
K. Adaptor for lightweight carburettor to suit $13/16$ in. outside pipe as used for B and B lightweight carburettor. **Price, 1/- each.**

★ **Jet Cases with testing nozzle and 5 jets (any size jets required).** **Price, 2/6 each.**

★ **Jet Cases only.** **Price, 1/- each.**

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Control.



OUR Controls are designed to always give a straight pull on the cable. How important this is the public, and very few of the manufacturers, fully appreciate. The continuous bending which takes place in other controls causes crystallisation of the strands of the cable, and consequently breakage quickly follows. In the case of breakage, which causes a lot of annoyance, the repair is usually made by a local repairer, and the manufacturer does not realise the trouble he has given his customer. The breakage of a wire of the AMAC Control is practically unheard of.

The AMAC Control is supplied either for one or two levers—Right Hand or Left Hand; opening inwards or outwards; with adjusters or without; with $\frac{1}{8}$ in. or $\frac{7}{8}$ in. handle-bar clip or bolt to fix direct through the handle-bar.

Price:

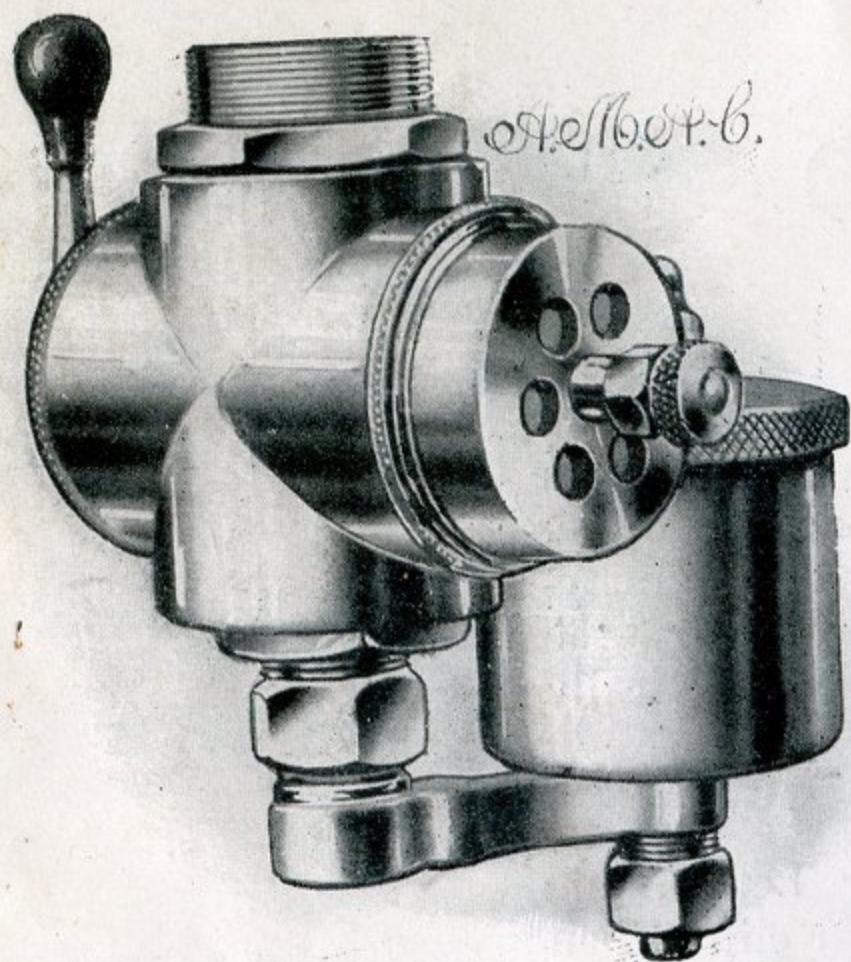
One Lever - 6/-.

Two „ - 7/-.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Marine Carburettor.

T 35.



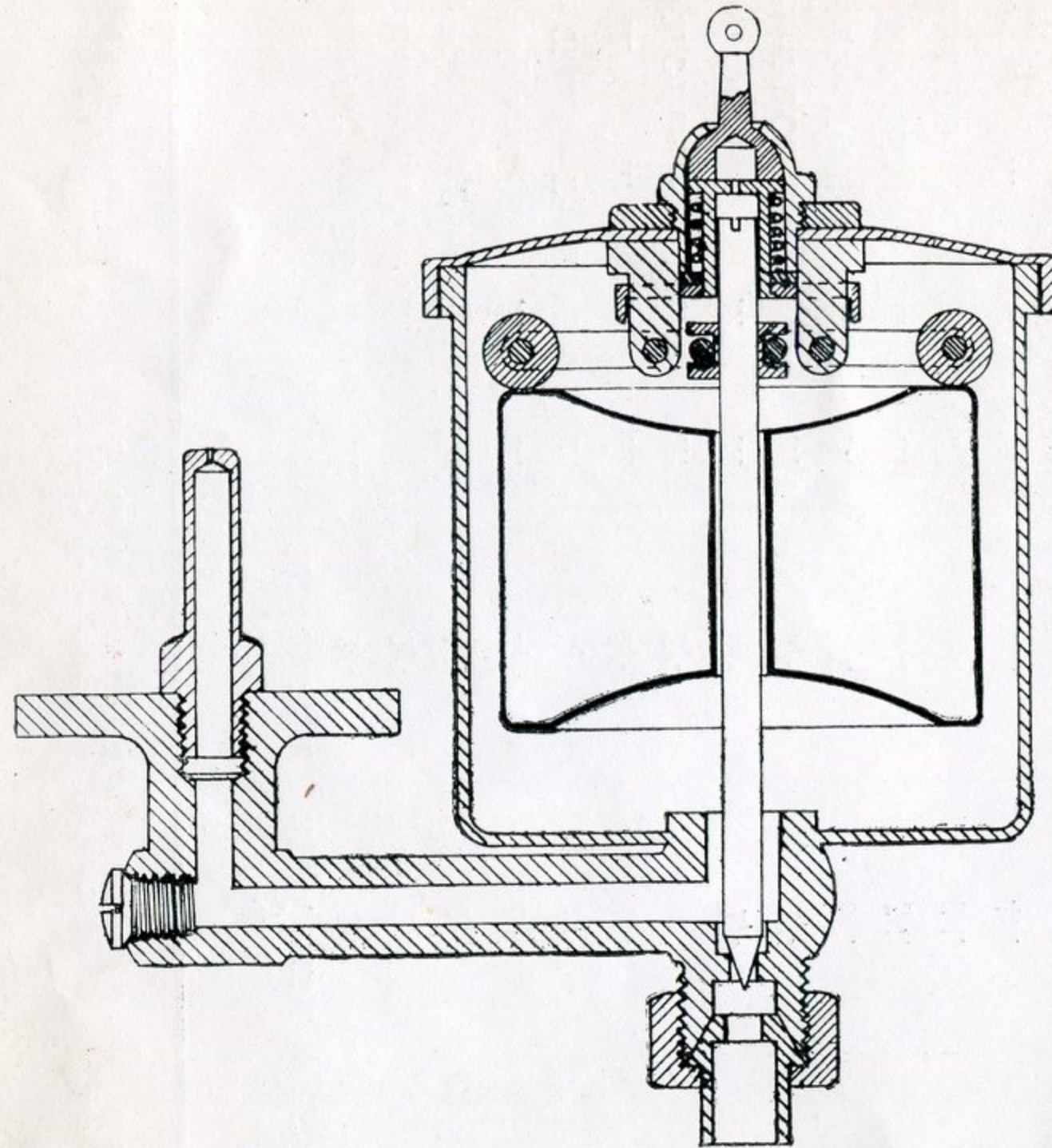
THIS carburettor is strongly and heavily made to stand rough treatment. It is fitted with hand regulated throttle and automatic air valve. The throttle is of the tapered pattern, and held up with a spring, therefore no air leakage can take place through wear. It has an adjustable stop to set throttle for slow running. The main air supply is from the bottom of the carburettor and through a choke tube. It is supplied either with vertical or horizontal outlet and fitted in the ordinary way with the same float chamber as the motor cycle carburettor, which has an inverted needle, but as this float chamber does not work satisfactory with a head of petrol above 18in., or if pressure feed is used, we also supply the carburettor fitted with our T 16 float chamber, as shown in catalogue.

Price:	T 35, with 15 E. Float Chamber	£2 2s.
	T 35, „ 16 „ „ „	£2 8s.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Float Chambers.

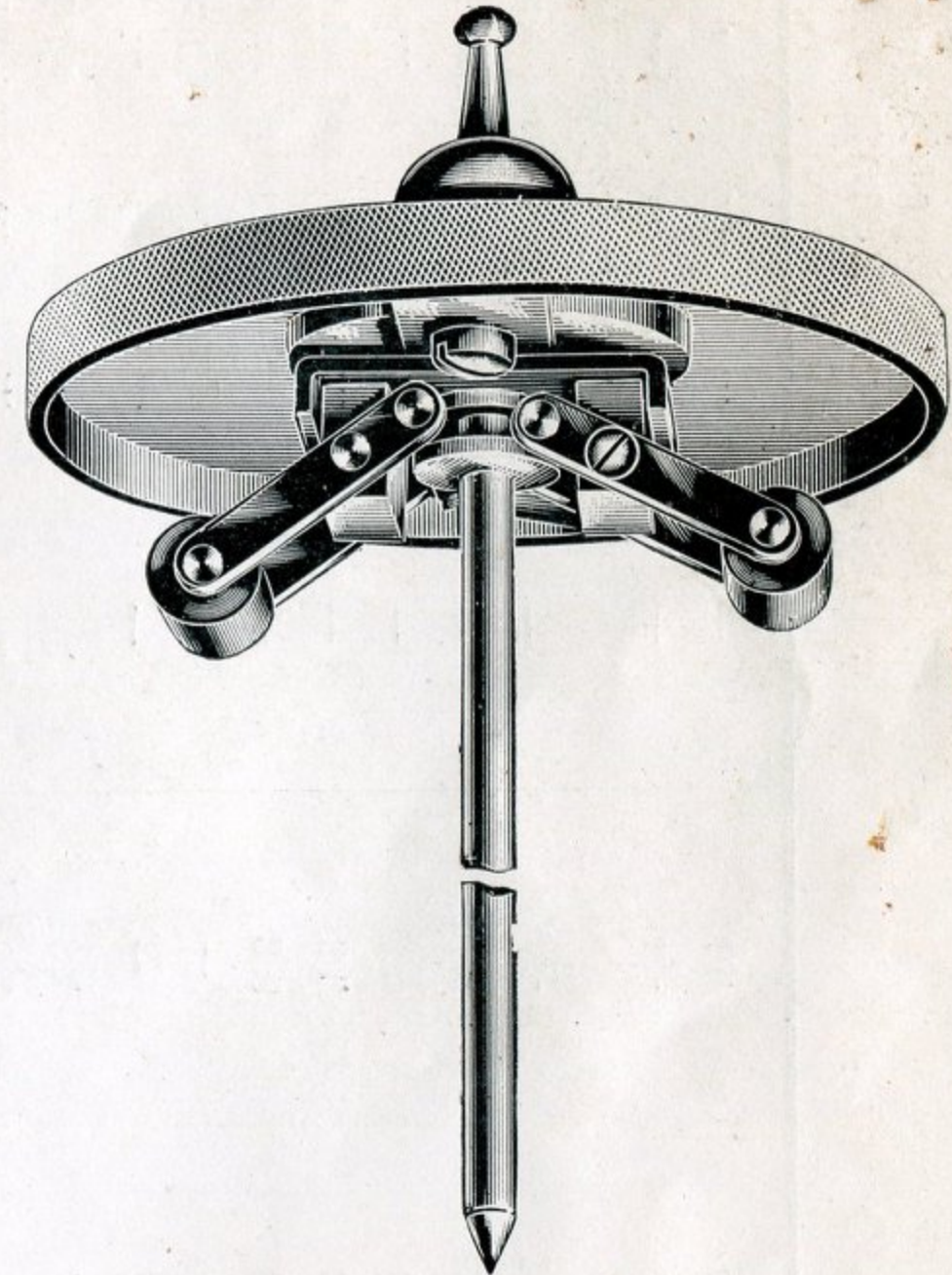
T. 4 and 16, etc.



WE are prepared to supply Float Chambers of any design or size that manufacturers may require. Our present models range from $1\frac{5}{8}$ in. to $2\frac{3}{4}$ in. inside diameter.

We supply either with a platform to take the mixing Chamber, as illustrated, or with platform or screw-threaded boss fastened to the side.

Price on application.



The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

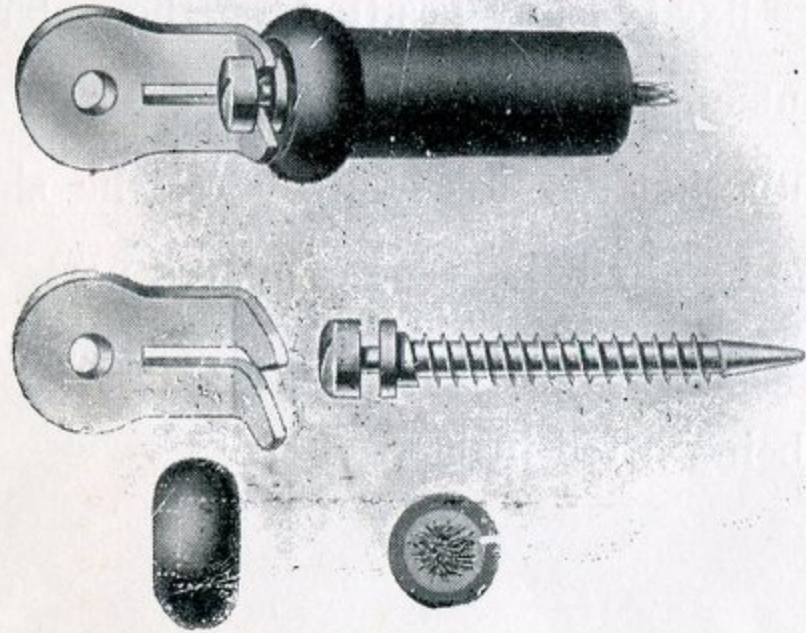
Amac Carburettor Spare Parts.

	Type 30DDO. & 30E.	Type 25DDO. & 25E.	Type 20DDO. & 20E. & 15DDO. & 15E.
Handlebar Clip and Base ...	2/-	2/-	2/-
Nozzle Holder ...	1/-	1/-	1/-
Filling Pieces for Sprayer	4d.	4d.	4d.
Outlet Clip and Pin ...	2/-	2/-	2/-
Mixing Chamber Top and Nut	2/-	2/-	2/-
Floats ...	1/-	1/-	1/-
Float ch. Covers, complete	2/-	2/-	2/-
Agitator, complete	1/-	1/-	1/-
Needles with Collars	1/-	1/-	1/-
Split-pin for Needles	3d.	3d.	3d.
Gauze for Petrol	3d.	3d.	3d.
Union and Union Nut	6d.	6d.	6d.
Nozzles	4d.	4d.	4d.
Mixing Chamber	—	7/6	7/6
Throttle Valves ...	2/6	2/6	2/6
Air Valves	2/-	2/-	2/-
Valve Springs ...	3d.	3d.	3d.
Small Nuts and Screws ...	3d.	3d.	3d.
Ebonite Handles	6d.	6d.	6d.
Control Levers, each	2/-	2/-	2/-
Inner Wires, per foot	2d.	2d.	2d.
Outer ...	6d.	6d.	6d.
Gauze Cap for Air Inlet	8d.	8d.	8d.
Gauze for Air Inlet	8d.	8d.	8d.
Twin T Piece ...	—	—	1/6
Fl. Ch. and Mix. Ch. Combined only	15/-	—	—
Petrol Economiser (Mushroom)	—	2/6	2/6
Cable Ferrules, per pair ...	—	3d.	3d.
Slotted Cap ...	—	6d.	6d.
Float Chamber, complete...	—	12/6	13/6
Control, complete with Cable	—	10/-	10/-
Control Bracket with Stop Piece for Cable	—	2/-	2/-
Cable Adjuster ...	—	4d.	4d.

**The Aston Motor Accessories Co., Ltd., Aston Cross,
Birmingham.**

Amac Spring Terminal Clips.

- (1) This Clip has practically an endless life with reasonable usage.
- (2) It only requires a screwdriver to fit, and no soldering of any kind.
- (3) It is insulated with ebonite.
- (4) It is neat in appearance.



Instructions for Fitting.

The cable having been cut off to the required length, remove the insulation for about $\frac{1}{8}$ of an inch or less, leaving the strands of wire projecting. Spray the wires, then put the ebonite on the cable. Force the point of the screw into the centre of the wire and screw home.

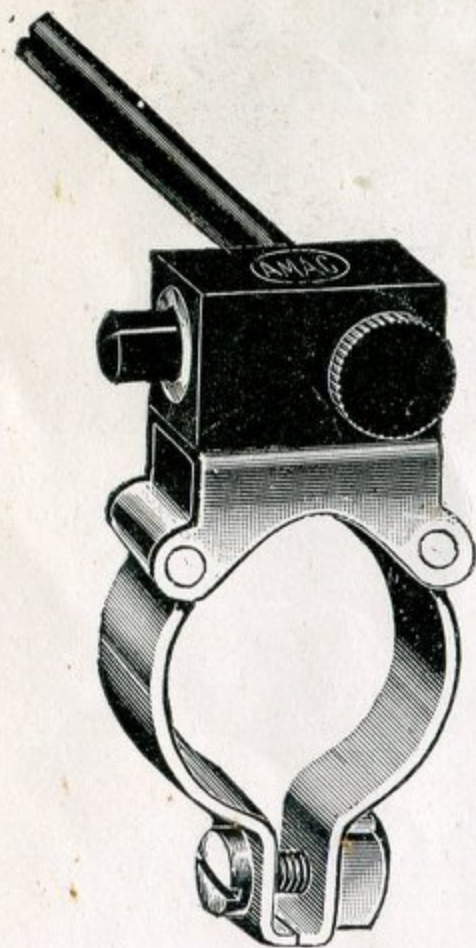
Small Size, for about 9 m/m cable.	} 7/3
Large ,, ,, ,, 12 m/m ,,	

Coloured Insulating Material, 10 per cent. extra.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Cut Out Switch.

TYPE 22.

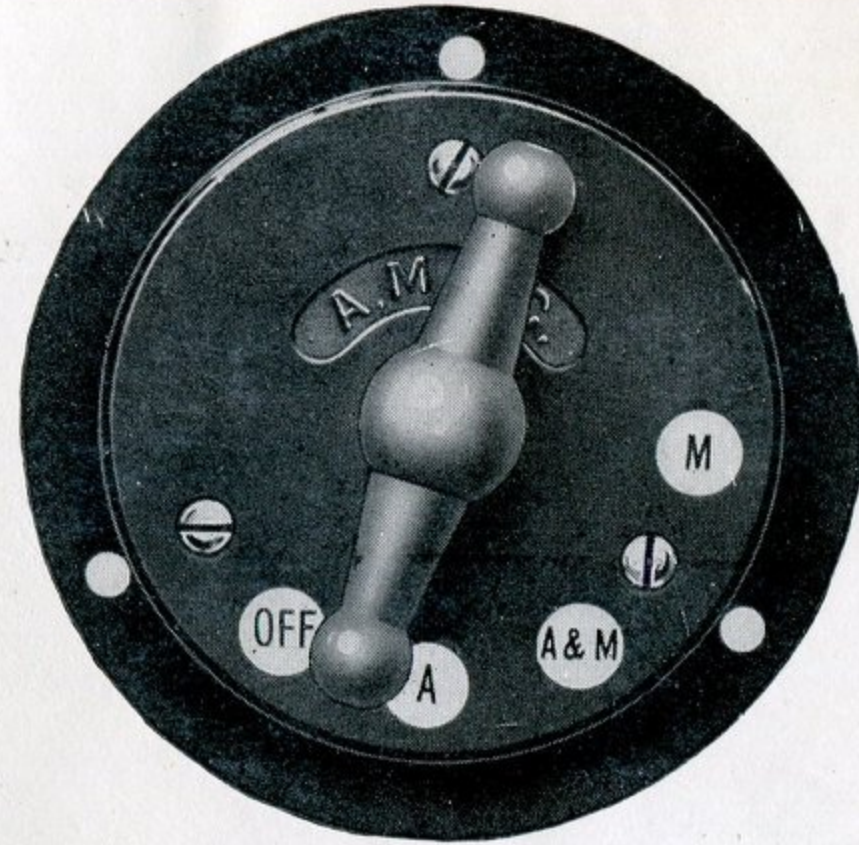


THIS Switch is neat, well-designed, strong, and may be fixed in any position to the rider's requirements. The illustration shows a small nut opposite the cable, the position of the nut and the cable can be easily reversed, with the result that the press button on the side may be placed either on the inside or the outside of the handle-bar. The insulated parts of the wires finish inside the ebonite, and therefore there is no possibility of a short through loose strands. No damage can be done to the spring, it being fitted inside.

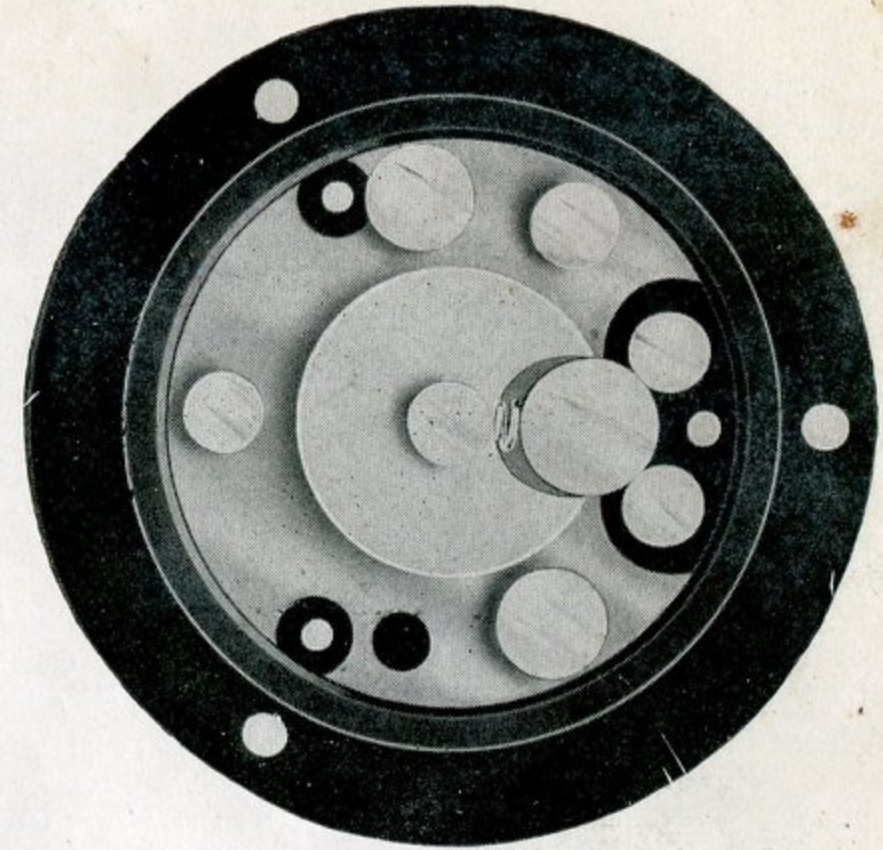
Price - - 2/9 each.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Switch.



The AMAC Switch is well-known, and was designed to meet the demand for a strong high-class Switch giving perfect contact and not affected by vibration. The contact piece does not revolve, but gives a rubbing contact ; neither does the current have to pass through any bearings.



Made in ebonite, with high-class finish. Dual switches of any kind.	}	6/- each.
Magneto :—Two-way accumulator,		
Made in metal, with either brass or nickel-plated finish. Magneto :—Two-way accumulator, or dual	}	4/- each.
Made with ebonite cover and metal body. Magneto only		
Made with ebonite cover and metal body. Two-way accumulator only ...		3/7 each.

The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

Amac Belt Fastener.

TO sell a Belt Fastener at a price of 3/- each and to give a **guarantee for one year** is certainly a big proposition for a firm, also a novel one, but as we claim that these Fasteners are practically unbreakable, it is not a great risk we are really incurring. The AMAC Fasteners are machined out of steel bars and case hardened. The screws are also case hardened, made with a hexagon head, and are also slotted, so that either spanner or screwdriver may be used.

Price of Fastener,

3/- each.



The Aston Motor Accessories Co., Ltd., Aston Cross, Birmingham.

