

the Depression hit in the late Twenties. It was not an opportune time to invest large sums of money, and by 1931 AJS were considering a merger with BSA in nearby Birmingham. But it was Matchless of London who eventually bought the goodwill and manufacturing rights of AJS motorcycles.



Improved cylinder head finning and positive valve gear lubrication for 1937.

Announced in July 1932, the new top of the a sustained speed of 63mph in top. Cruising at range model was in direct competition with Matchless' own Model X. Powered by a 50 degree vee-twin with square bore and stroke dimensions of 85.5mm — producing 990cc the Model 33/2 had dry sump lubrication. An instrument panel on the tank included a telltale button, to provide a visual check that the lubrication system was working, and to reas - dard product were footboards instead of

sure those riders accustomed to watching the drip of sight glass. A chain driven Lucas Magdyno supplied electrical power.

When the weekly Motor Cycling took a

model out on test, hitched to a launch sidecar, they commended the interchangeable wheels but thought that the 7in brakes could be more efficient. Starting was easy and the operation of the four-speed, hand change Sturmey Archer gearbox was smooth. although first gear was so low that it was not used once. There was praise too for the transmission shock absorber, smoothing the drive down to a snatch-free 10mph in second gear.

When the twin was really revved, snappy performance resulted, with 30mph in the 7.6:1 second gear, 52mph in the 5.7:1 third gear and mainshaft and bigger main bearings. Sturmey-

50mph demanded nothing of the driver. Steering was light, due to reduced trail created by long lower fork links, but the handlebars showed no tendency to wave about, and the steering damper was not used.

An Export model was also available. The main differences between this and the stan-

Identical

footrests, a foot clutch, and the hand change mounted on the left side of the

The detachable eylinder heads on that first Model /2 was claimed to give

smooth power and freedom from detonation. The spark plugs were in an unusual position, on the inlet side of each combustion chamber. We may presume that this was not a success, because in describing the following year's AJS 34/2. The MotorCycle noted that the chief alteration was "a new sparking plug position, to obviate pinking." The latest twin also had a back plate to the rear chain guard to protect the lower run, and shorter fork links, to enhance rigidity.

For 1935 the 35/2 got a beefed up drive side



Geoff's 36/2 didn't look

off from a workmate. It was out in a shed, supporting a board used as a workbench. Geoff paid \$55. He still has the receipt, with the seller's name signed over a postage

The worn out carburettor was sent away to Anual, Following essential work, the AJS was usable, although far from standard. Geoff rode the twin once or twice, but it never saw continuous service. An interest in off-road riding meant that there was always service and repair work to do on his trials irons, but he kept an eve out at autojumbles.

Geoff picked up the three gallon tank at a Beanlieu Autojumble seven years ago. He describes finding the correct tank as a bit of luck. The Model 37/2's tank capacity was increased to four gallons. Later he found six new Dunlop rims, two of which he passed on to a friend. In the late Eighties he decided that he had enough original parts, and the time was right for a full restoration.

Mostly it was just steady graft, but some problems called for a bit of ingenuity. "I cut the Magdyno storm shields from a length of three-inch street lighting pole," says Geoff. "There was no carrier either, so I made up a plywood pattern using catalogue pictures, and kept offering it up until it matched. Then I got a local firm to bend me some tube."

When it was all assembled Geoff took the painted parts away to have them blasted, prepared and stove enamelled. He's not really interested in doing that kind of work, and thinks it's better to stick with what you enjoy.

Geoff used 3.50 x 19in tyres on the 36/2, but they looked lost under those wide mudguards. A frequent visitor to Europe, it was a German friend who found him the Czech made 4.00 x 19in block tread Barums.

When Geoff ran the 36/2 before he restored alone. it, wet sumping was a persistent problem. The oil tank would drain into the crankcase within two days, sometimes as quickly as two hours after a run. There was no way to turn the motor over without draining it, and the sump plug went in and out until the thread stripped. Now it's Helicoiled, and Geoff has

like this when he bought it in 1974 after a tip- | fitted the one device that is guaranteed to have motorcyclists throwing up their hands in horror; an oil line tap. Before we take the big rwin out across the bleak marshes of Dungeness, he slips a length of rubber rube from that tap's lever, a reminder to turn the

> First gear is redundant. It's the first heavy hint that this machine was designed for hauling sidecars. In 1936, to drive home the point, AJS added a Commercial model, with painted tank and no instrument panel, on which the three speed and reverse gearbox was standard. On this solo first is a ploughing gear in



Interchangeable QD wheels fore and aft: a good idea, especially on a sidecar tug.

the four-speed box. You could load half a ton of anvil and mobile forge on to a sidecar platform and pull it up a 1 in 3 farm track. The side-valve twin wouldn't turn a hair, despite the fact that Geoff has increased the size of the engine sprocket by two teeth, raising the overall gear ratio, Like the man from Motor Cycling, I soon learned to leave first gear 1937 -were trying to maintain their market-

The clutch lever has a long movement, yet the work is all done just as it approaches the handlebar. Take up is progressive for all that, but it did show a slight tendency to slip, though there was plenty of free play at the lever. It sorted itself out after a while.

Both twins feature the familiar leak-prone pressed steel primary chaincase secured by a light alloy band. the sound of its valve gear was soon drowned by the meaty rumble of rwin fishtail exhausts. How much more attractive they look, to my eve, than the single silencer on the 37/2.

> The long wheelbase - five feet between spindles on the 36/2 - makes shinting the AJS around by hand a chore. On the move, it is of little consequence. The 37/2 is 1/in longer. A hefty weight carried low down and resting on the road at two well separated points on broad tyres gives a ride that is unruffled by choppy surfaces and unmoved by dramatic changes in camber. One rough and ready road repair made the fork spring clash with the spindle housing, but for most of the time the AIS flew straight and true, stuck on the course Fd selected. Naturally the big twin won't change line too quickly.

Low gearing shows itself all through the gearbox, with effortless cruising at 50mph. The vee-twin engine bumbles sweetly on and could get a rider into trouble. For although engine braking is effective, there's a lot of weight to pull up in a hurry. Brake shoes running in newly skimmed drums gripped adequately, but challenged the strength of the structure. Used firmly, the front brake added a fresh twist to fork stresses. When I took my hands off the handlebars while cruising, there was just a hint of bias towards the white line.

Positive Inbrication of the valve gear, improved cylinder head finning, a cast cradle type frame, beefed up forks with double sided damping and fully adjustable links on the handlebars were all listed by AJS for the following year's version, the 37/2. Restoration of this later model is not quite complete, so I wasn't able to make a comparison on the road. But it shows how hard Associated Motor Cycles as the Matchless-AJS combine became in share. Such modifications don't come cheap.

I played the psychologist, probing Geoff Cornes' interest in collecting matching sets. Did he understand what I was talking about? It was hard to tell. But surely he was he pulling my leg when he confided: "I've never let anyone else ride this one before, but The side-valve twin is a willing starter and you're okay. You've got a beard, like me."

