

Evolution of the BMW 'Boxer'

BMW boast that today's horizontally opposed twin, the 'boxer' layout, can be traced back to the first motorcycle carrying the blue and white badge, made in 1923. Bruce Preston has owned a BMW for half of that time and starts this series on owning and running a 'classic' BMW which will include a 'classic ride' and engine stripdown later. But first, a little background.

THERE are those who will tell you that the first ever BMW was a straight copy of the Greenville Bradshaw designed Superb ABC which had been on the market since 1919.

I guess arguments will rage about the truth of this for another 70 years. Although Bradshaw claimed that BMW had copied his

design he never tested that claim in the courts so now we will never know.

In 1923 BMW established what was to remain an unshakable principle for 60 years. Large capacity BMW motorcycles would be horizontally opposed twins with the engine running across the frame, shaft drive, bevel-gear driven rear drive and with the gearbox bolted to the rear of the engine.

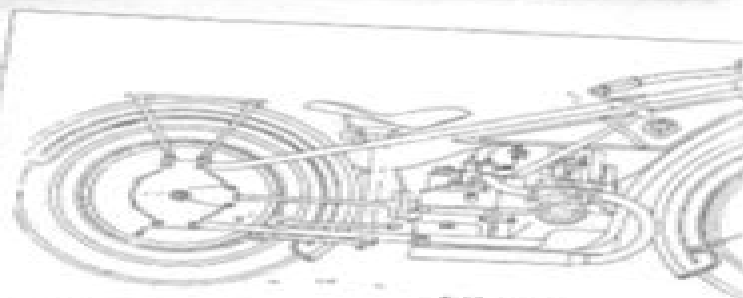
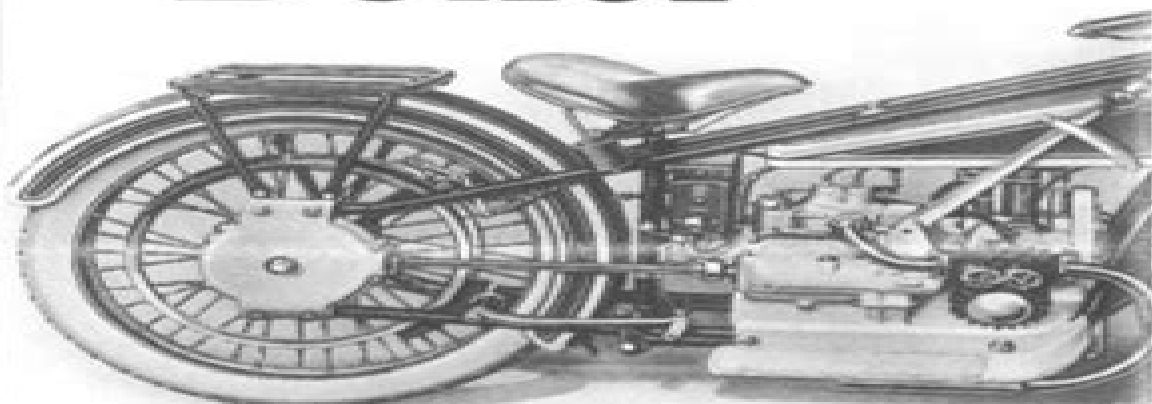
This concept survives to this day, a tribute to Max Friz, who designed the first ever BMW, the R32. So, yes, does the blue and white quarter tank badge (illustrating an aircraft propeller, testimony to BMW's original interest in aeroplane manufacture).



The Thirties: R62, R17, R12, R5

NATURALLY there were improvements and innovations. The original model had a 496cc side valve engine. By 1925 this was supplanted by a more sporting overhead-valve version.

Three years later the largest BMW yet, the R62, with a capacity of 745cc, was introduced and then, in 1935, came the greatest step forward so far. BMW became the first



motorcycle manufacturer to offer hydraulic telescopic front forks on a full-scale production motorcycle, introducing them on their 726cc R17 and on 745cc R12.

A year later the 494cc R5 was launched. This featured, for the first time, a four-speed positive stop gearbox. Until then all BMWs had been basic change.

In that same year a new 500cc supercharged racer, the model 235, was produced. This was to finish first and second in the 1936 TT with Georg Meier and Jock West. It was not the first supercharged bike they had made, that was in 1926, when a supercharger was simply bolted on. The new bike's super-



The engine from BMW's first motorcycle, the 1923 R32. The tank bag shows the unit's compact size.

Bmw Classic Boxer Service Manual

RC Schank



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