

WORDS JACK GRIFFITHS B-26 bomber nicknamed 'A Kay Pea's Dream', which was later hit by flak during a raid over France Nicknamed the 'Flying Torpedo', this US Army Air Force

war bird helped crush the Axis from the skies

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An innovative cantilever shoulder wing

oming in almost 20 variants, the B-26 was the workhorse of the United States Army Air Force (USAAF) bombing operations of World War II. First introduced in 1941, 201 Marauders were ordered straight off the drawing board with no time to build and test a prototype.

Part of President Roosevelt's 50,000 aircraft for US defence programme, it went on to serve in both the European and Pacific Theatres of the war, flying out with the 22nd Bombardment Group the day after the attack on Pearl Harbor. An innovative cantilever shoulder wing monoplane design, the aircraft began unimpressively as it recorded a number of training accidents with 15 crashing in 30 days, earning it the nicknames 'Widow Maker' and 'Martin Murderer'.

The design put cruise efficiency ahead of handling at low speeds, so many crews initially stayed well away from the aircraft. However, after some modifications and extra pilot training, the B-26 began to realise its potential as a bomber that could turn the tide of the war.

Used for tactical air support, 5,157 B-26s were constructed, with the RAF also purchasing 522. It was most effective in the European Theatre, operating in mediumaltitude attacks in Normandy and the invasion of Italy. B-26s also saw service in the Battle of Midway in the Pacific Theatre. As the war ended, the role of the Marauder was fast diminishing. The majority were retired from service by 1947, and only a handful remain in existence today as relics of the mass World War II bombing operations.



PROPULSION

To carry the weighty payload, the B-26 used two four-bladed propellers. It was the first Allied aircraft built in World War II to use four blades in its propulsion system and could generate up to 1,930 horsepower. The Pratt and Whitney R-2800-43 wasn't limited to the Marauder, and was also used on other US aircraft such as the F4U Corsair, F6F Hellcat and P47 Thunderbolt fighters. The 18-cylinder engine was incredibly versatile and was used in planes in the Korean War as well as World War II.

The undercarriage of the B-26 was unique in its design. Using a tricycle shape, it incorporated a nose wheel rather than the traditional tail wheel. It had a landing speed of 209 kilometres per hour (130 miles per hour), unusually high for a plane of the era, and remained an effective, if unorthodox, control system for a medium bomber. The design of the B-26 was altered in development and it originally featured a twin tail, but this was dropped in favour of a single fin to give the tail gunner a better view of oncoming targets.









BOMBERS OF THE USAAF THE OTHER AIRCRAFT THAT THE USA USED TO BOMB GERMANY AND JAPAN INTO SUBMISSION

B-25 MITCHELL

The Mitchell was once the most heavily armed plane in the world. It participated in the 1942 Tokyo Raid, the first Allied attack to strike the Japanese home islands.

completely ill-equipped to undertake.



B-24 LIBERATOR

The most produced US aircraft of the war, an astonishing 18,400 were made. The Liberator served all over the world utilising its range of more than 2,000 miles.



DOUGLAS A-26 INVADER

Also sometimes called a B-26 but not to be confused with the Marauder, the A-26 was a versatile and long-serving aircraft. It served in the Korean and Vietnam wars.



B-17 FLYING FORTRESS

As the name suggests, the B-17 was a giant of the sky. Many were based in the UK and deployed to Germany to take part in relentless daylight bombing raids.



The design was put forward by Peyton M Magruder of the Glenn L Martin Company, but was a work in progress for the first few years of its life

CONSTRUCTION

It may have been rushed off the production line, but the B-26 was a sophisticated war machine. Entering, and subsequently winning, a competition for a new US medium bomber in 1939, one of the major differences between it and its predecessors was the use of plastic. Before the Marauder, military aircraft were made mostly out of metal, but the B-26 changed this by using cheap and readily available plastic. It also used butted seams

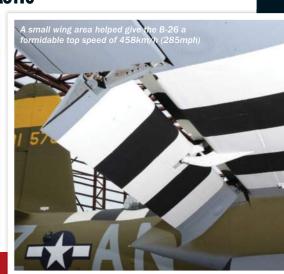
rather than lapped seams in its covering, making the fuselage more streamlined, earning it the 'torpedo' nickname.

The Marauder carried so much equipment that it couldn't sustain much flak before getting in trouble. This made it ineffective at low-level attack missions, meaning it was soon changed to a medium-level bomber to make it more durable in combat. The original models also suffered from problems with the landing gear, but these were corrected by a heat-treatment process that improved the hydraulic system.

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THE AMERIKA BOMBER PROJECT

During the latter stages of the war, a long-range bomber was sought after by the Axis powers. With the added resources and manpower from the USA bolstering Britain and the USSR, attacks on the American mainland could stunt Allied wartime production significantly. The 'Amerika Bomber' and 'Project Z' programmes were put forward by Nazi Germany and Imperial Japan respectively. The Germans prototyped the Messerschmitt Me 264 for strikes on New York from continental Europe in December 1942. Heavily armoured and fitted with a turbocharged

engine, it would have been very similar to the USAAF B-29 Superfortress. The proposal could have feasibly worked, but constant Allied bombing and a lack of raw materials in the Third Reich dashed hopes of a transatlantic attack. As for Project Z, the Japanese simply did not have the engine power to make a realistic effort at attacking the USA. The Ha-44 engine was the most powerful available at the time, but it would have suffered cooling problems trying to lift a bomber capable of sustained attacks on American soil.

