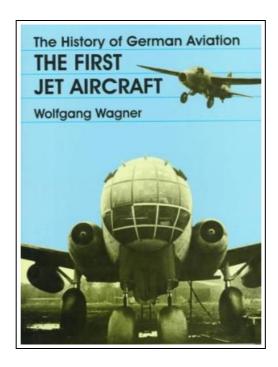
## The History of German Aviation - The First Jet Aircraft



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Absolutely essential study book. It is loaded with wisdom and knowledge I found out this ebook from my i and dad suggested this ebook to understand.

(Dr. Lera Spencer)

#### THE HISTORY OF GERMAN AVIATION - THE FIRST JET AIRCRAFT



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Schiffer Military Books. Condition: BRAND NEW. BRAND NEW Oversized Hardcover - 260pp - This book, the first in a multi-volume history of German aviation, provides a comprehensive and detailed analysis of of jet aircraft design and development in Germany. The solid description, unique photo material, historical documents, numerous drawings and complete data tables - published for the first time - make this book not only a gripping story but also an indispensable reference work for anyone with an interest in the development of aviation. In August 1939 in Germany a small propellerless aircraft took off on its maiden flight under conditions of utmost secrecy: the world's first jet aircraft. Apart from Ernst Heinkel, Hans Joachim Pabst von Ohain (inventor of the turbojet engine) and a small circle of their co-workers, no one suspected the profound effect that the successful flight of the tiny He 178 would have on aviation. Spurred on by Heinkel's success, very high speed aircraft were also put into the air by Messerschmitt, Arado and Junkers. On the other hand the designers of jet engines initially encountered almost insuperable problems, for in wartime high-quality raw materials such as nickel, cobalt and molybdenum were unobtainable and substitute materials had to be used in their place. But the designers, who were rushing ahead with their own projects, found a way around this with the help of experienced test pilots: in 1940 the Heinkel 280, the first twin-engined jet aircraft, was flown without engines as a towed glider; Messerschmitt installed an auxiliary piston engine in the nose of its twin-engined Me 262; Arado equipped its twin-engined Ar 234 with jet engines intended for ground tests only. The test pilots became accustomed to landing on just one working engine or none at all. In spite of shortages of strategic materials and...



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