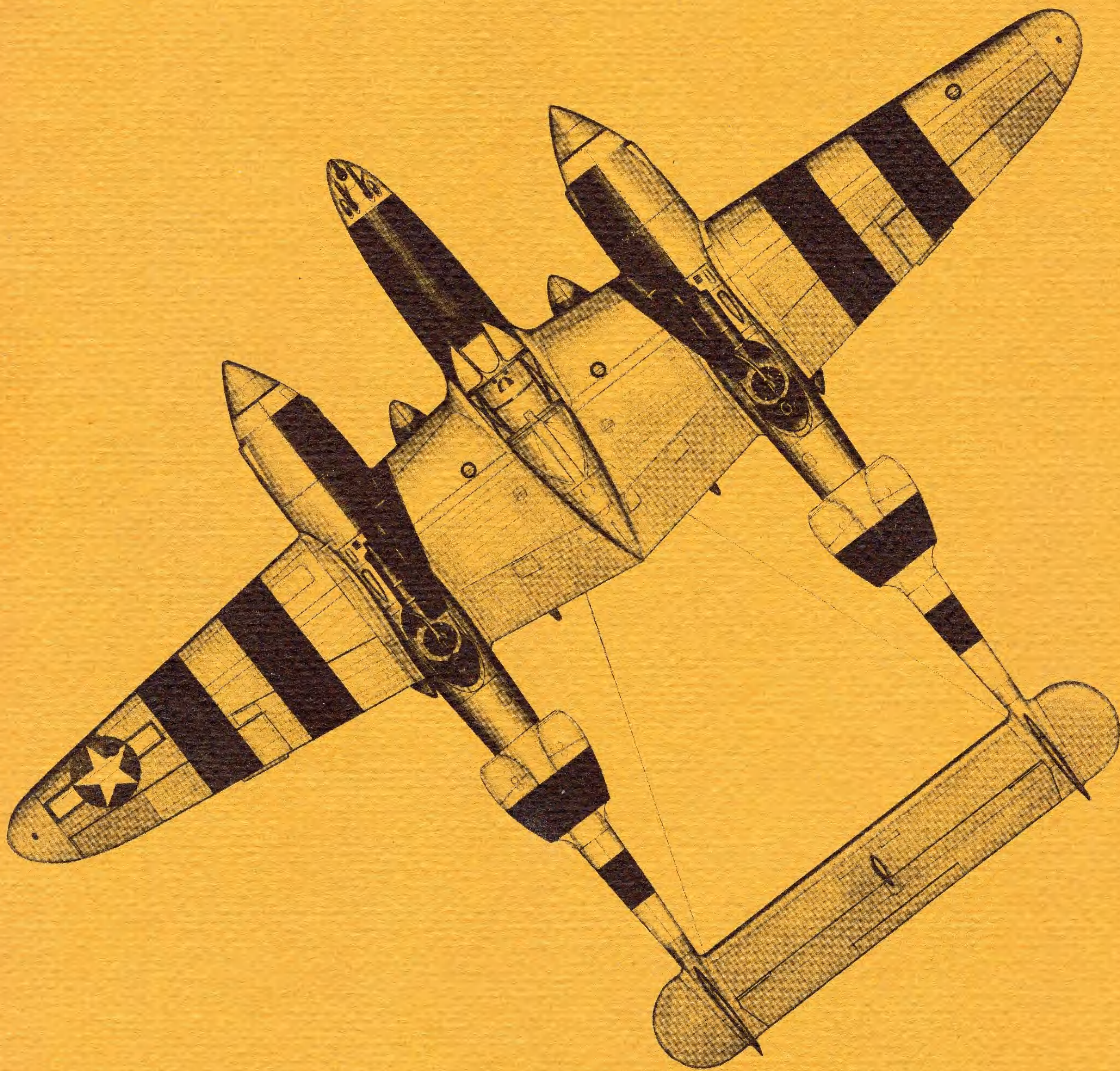


72nd scale



DRAWINGS

72nd scale DRAWINGS

by Uwe Feist

CONTENTS

Messerschmitt Bf 109E-4/N	3
North American P-51D-25 "Mustang"	5
Focke Wulf FW 190 A-7	7
Supermarine Spitfire Mk IX	9
Heinkel He 100D	11
Junkers Ju 88S-1	13
Republic P-47 "Thunderbolt"	15
Chance Vought F4U-4 "Corsair"	17
Lockheed P-38-J-15 "Lightning"	19
Junkers Ju 87B-2 "Stuka"	21

We wish to acknowledge our appreciation to the following who have provided photographs:

Edward T. Maloney
Air Museum Archives
Bundesarchiv Bildarchiv



FEIST PUBLICATIONS
2827 - 7TH STREET, BERKELEY, CALIFORNIA 94710

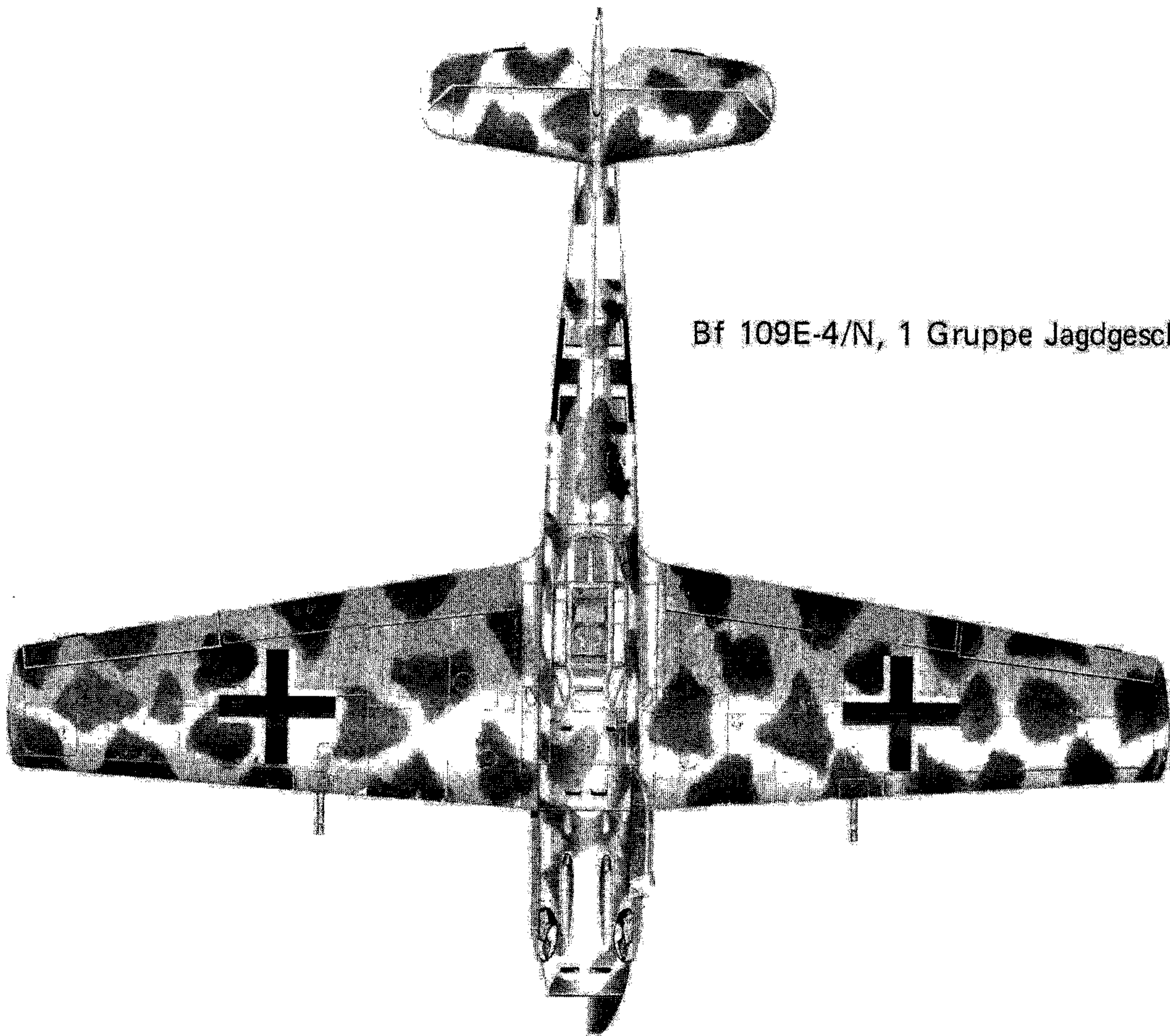
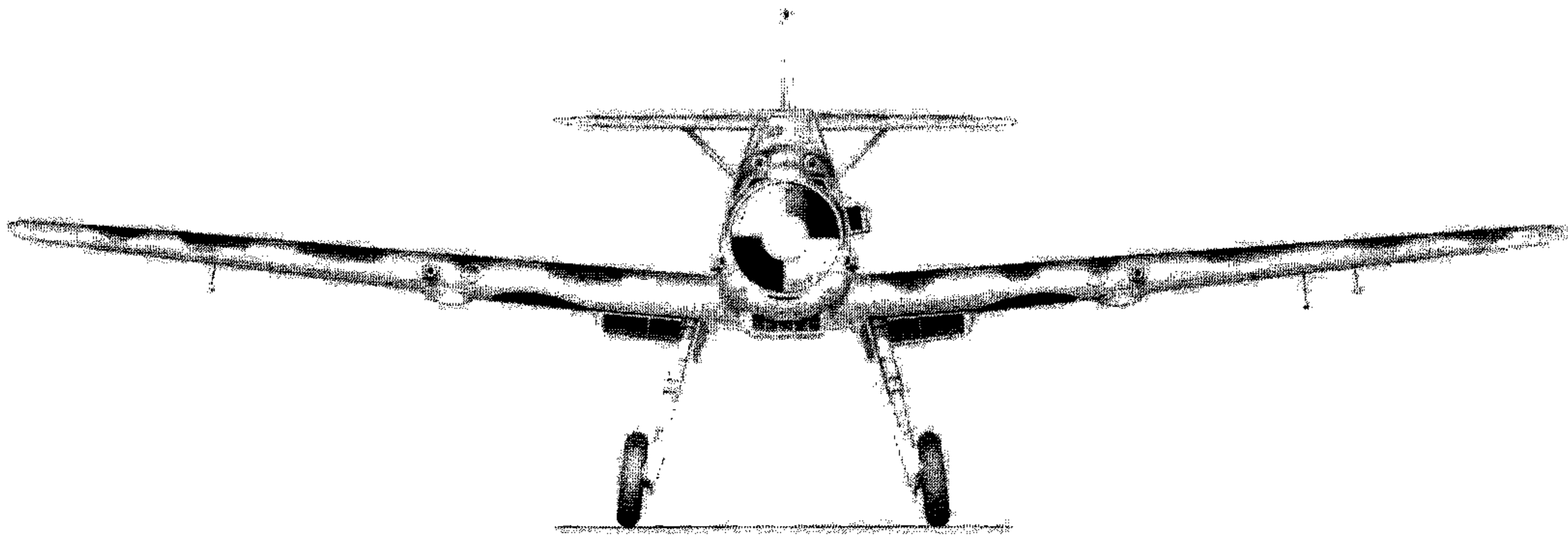
1969



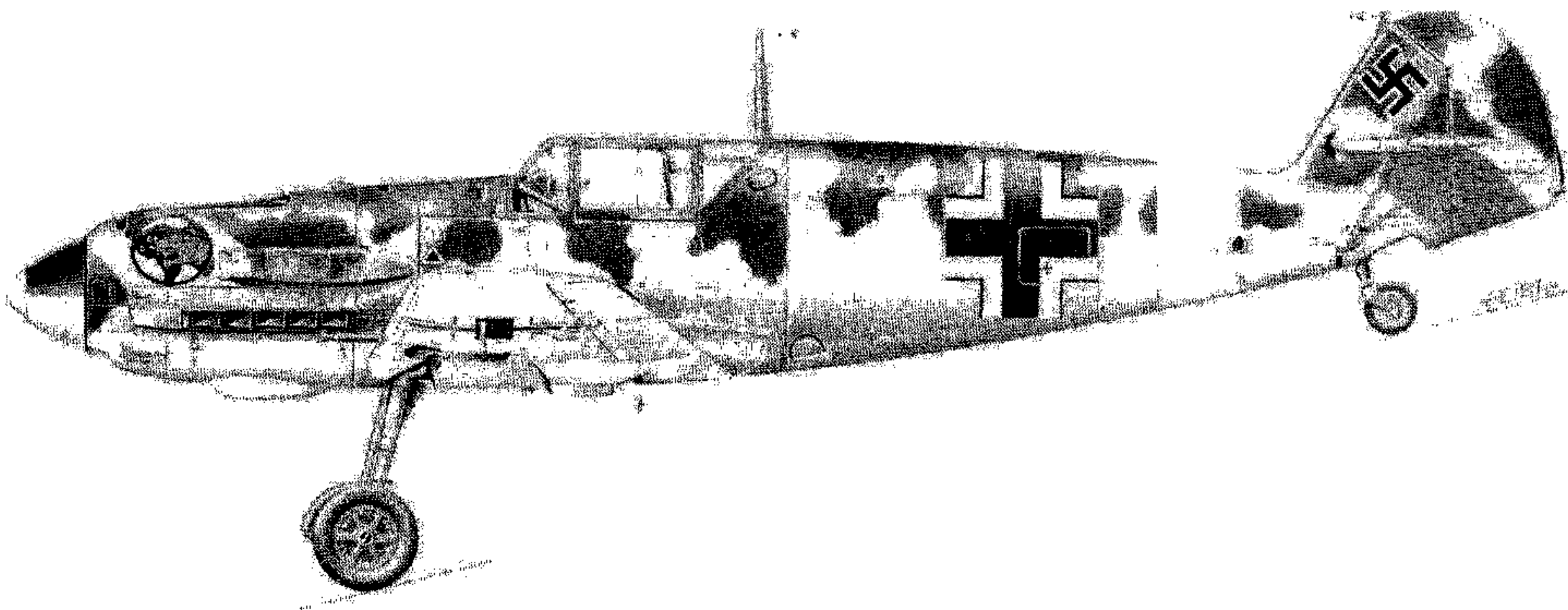
MESSERSCHMITT Bf 109E-4/N

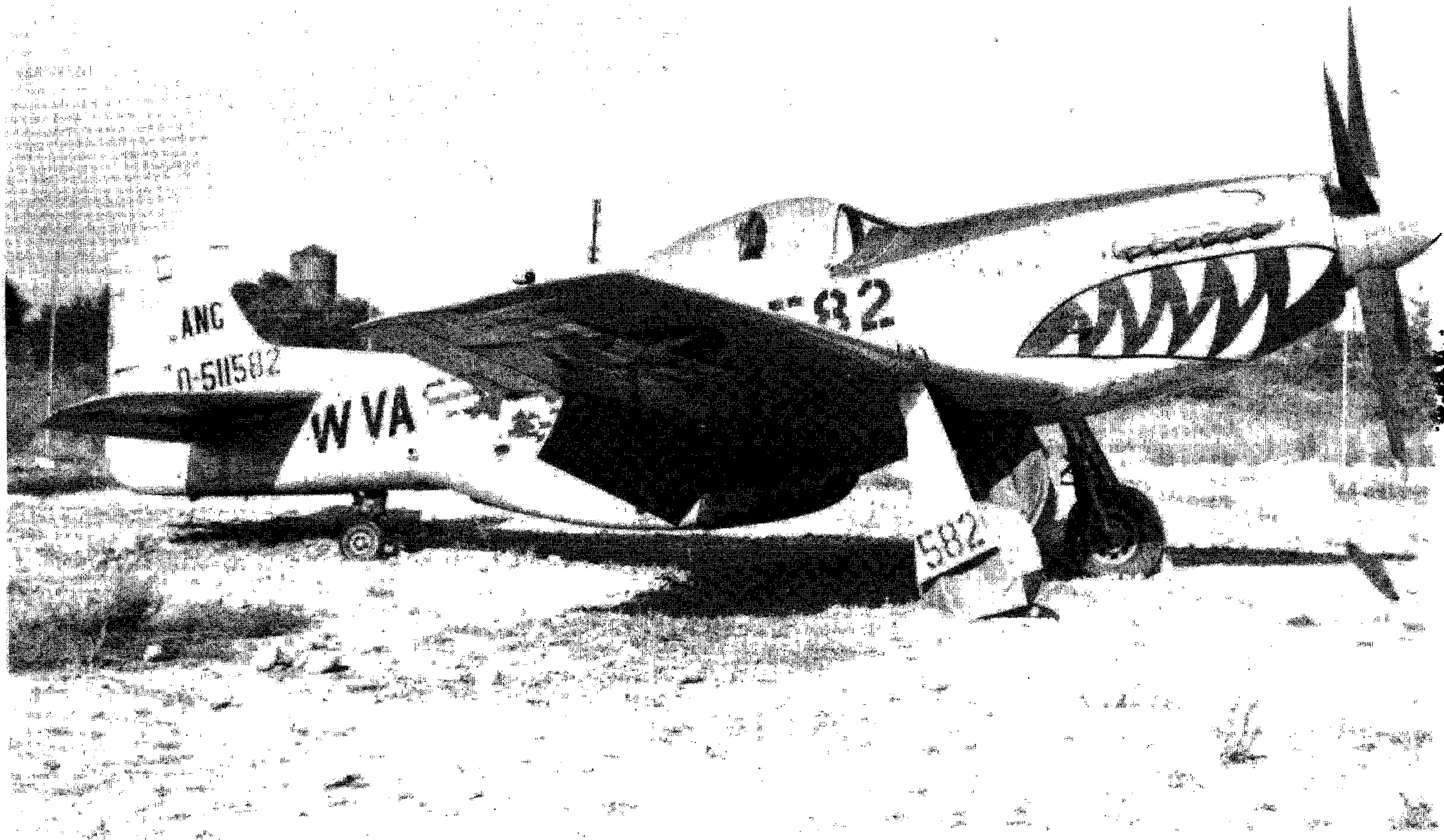
DESIGNER:	Prof. Willy Messerschmitt
MANUFACTURER:	Bayerische Flugzeugwerke A.G. Germany
TYPE:	Single-seat Fighter
OPERATIONAL:	Late 1939-1941
POWER PLANT:	1x Daimler Benz DB 601 A 12 cyl. inverted Vee-engine
COOLING:	Liquid
HORSEPOWER:	1100 h.p.
ARMAMENT:	2 x 20 mm MGFF cannon (60 r.p.g.) 2 x 7.92 mm MG 17 (1000 r.p.g.)
PERFORMANCE:	354 m.p.h. at 12000 ft.
RATE OF CLIMB:	3100 ft. per min.
CEILING:	37500 ft.
RANGE:	412 miles
FUEL:	88 Imp. Gal.
WEIGHTS:	Empty 4420 lb., Loaded 5520 lb.
DIMENSIONS:	Span 32 ft. 4 in. Length 28 ft. 4 in. Height 7 ft. 5 in. Wing area 174 sq. ft.

MESSERSCHMITT Bf 109E-4/N



Bf 109E-4/N, 1 Gruppe Jagdgeschwader 27

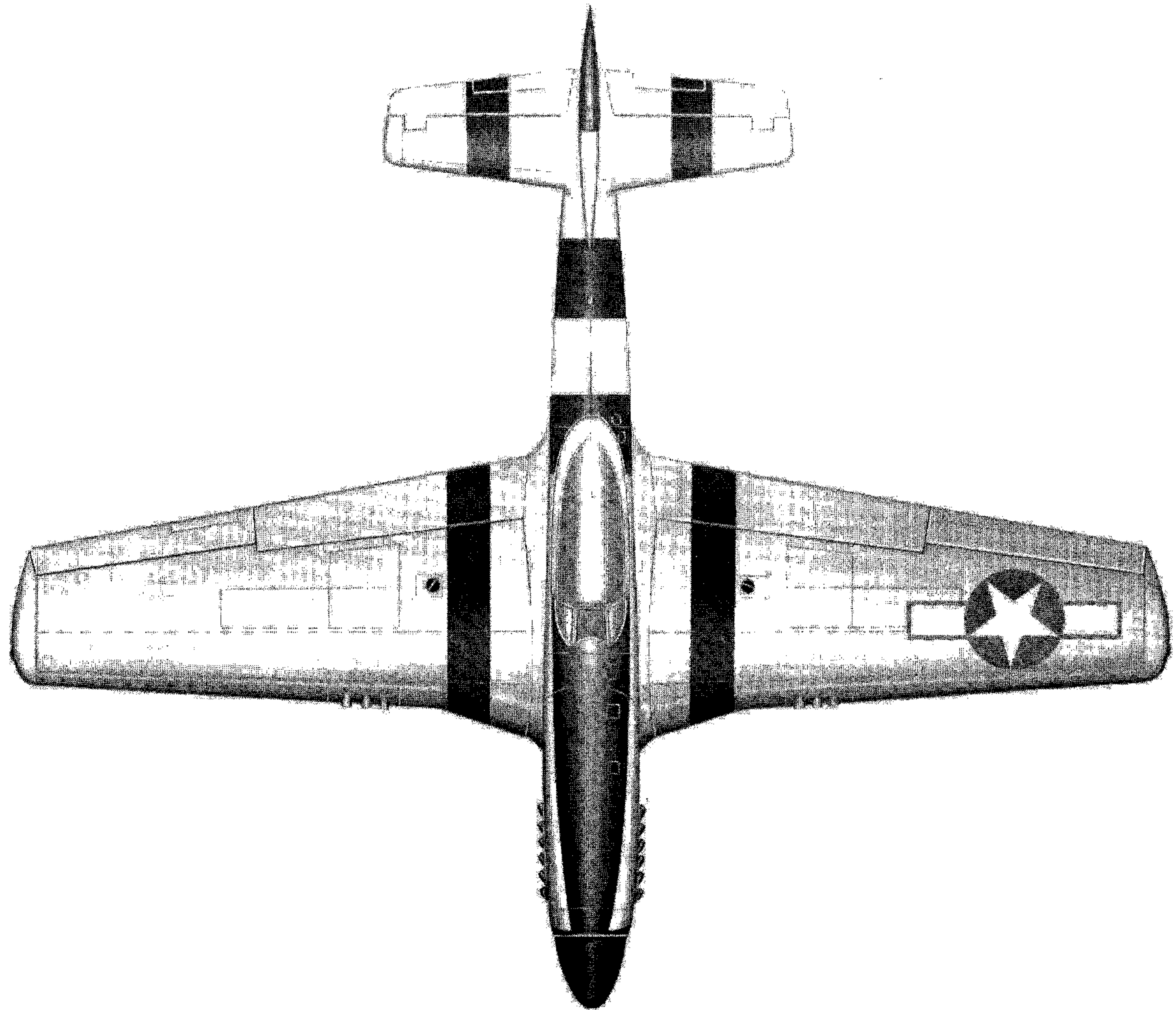
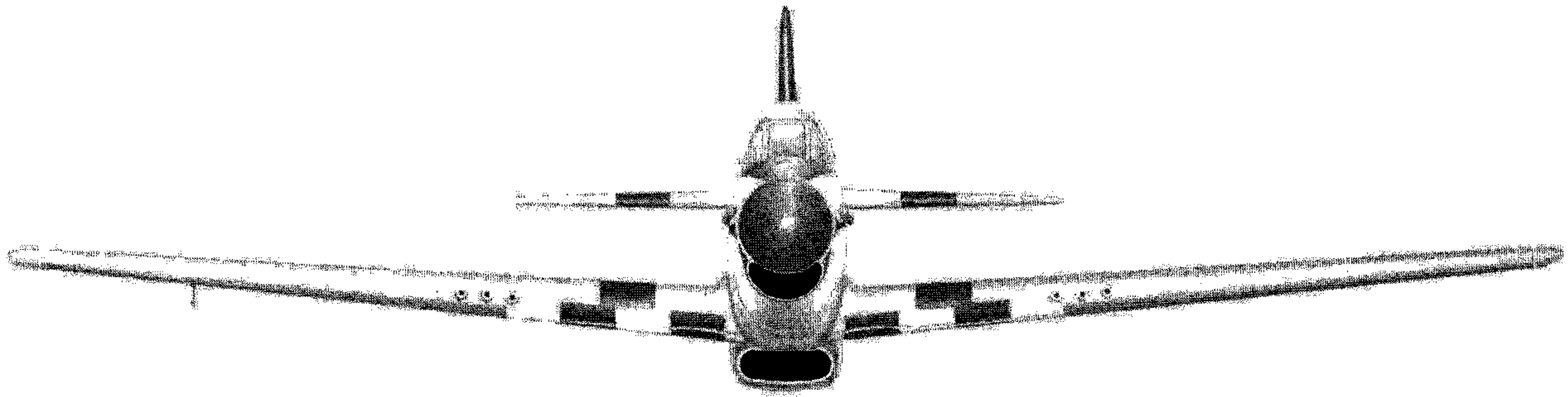




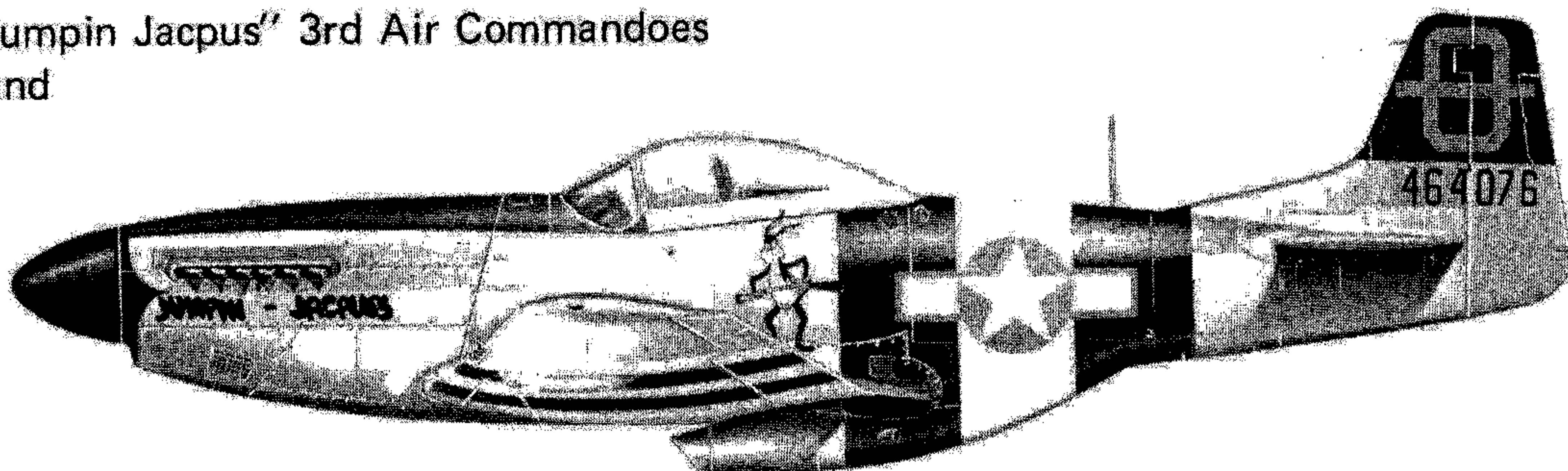
NORTH AMERICAN P-51D-25 "MUSTANG"

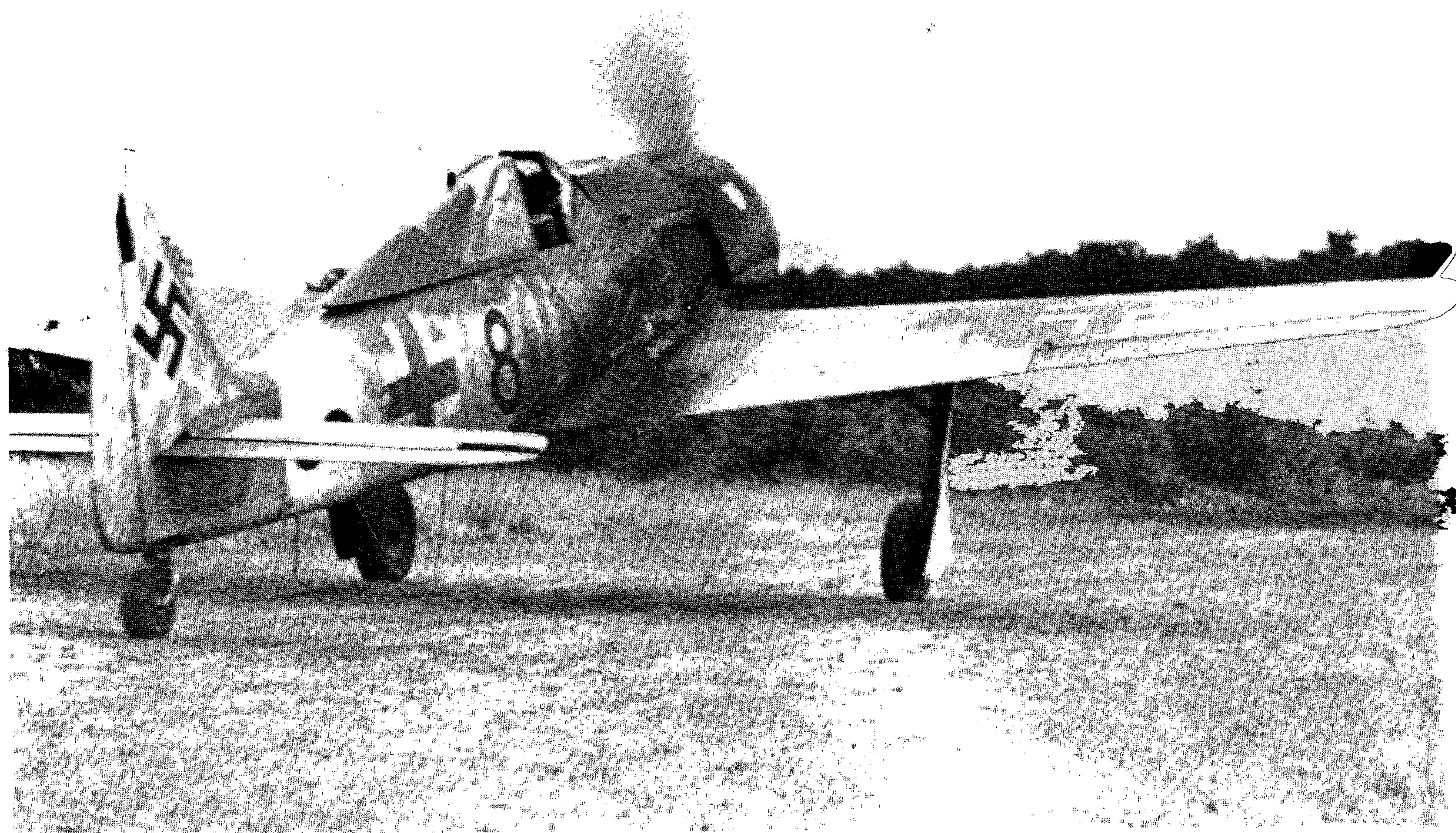
DESIGNER:	Team headed by R. Rice and E. Schmued
MANUFACTURER:	North American Aviation U.S.A.
TYPE:	Single-seat Long range Fighter, Fighter-Bomber
OPERATIONAL:	1944-1945
POWER PLANT:	1 x Packard V-1650-7 Merlin .12 cyl. Vee engine
COOLING:	Liquid
HORSEPOWER:	1695 h.p.
ARMAMENT:	6 x 0.5 in Browning MG 53.2 (270 r.p.g.)
PERFORMANCE:	424 m.p.h. at 25000 ft.
RATE OF CLIMB:	5000 ft. 1.7 min to 20000 ft. 7.3 min.
CEILING:	42000 ft.
RANGE:	950 miles
FUEL:	—
WEIGHTS:	Empty 7125 lb., Loaded max. 12100 lb.
DIMENSIONS:	Span 37 ft. Length 32 ft. 3 in. Height 8 ft. 8 in. Wing area 233 sq. ft.

NORTH AMERICAN P-51D-25 "MUSTANG"



P-51 D-25—Na "Jumpin Jacpus" 3rd Air Commandoes
Philippine Island

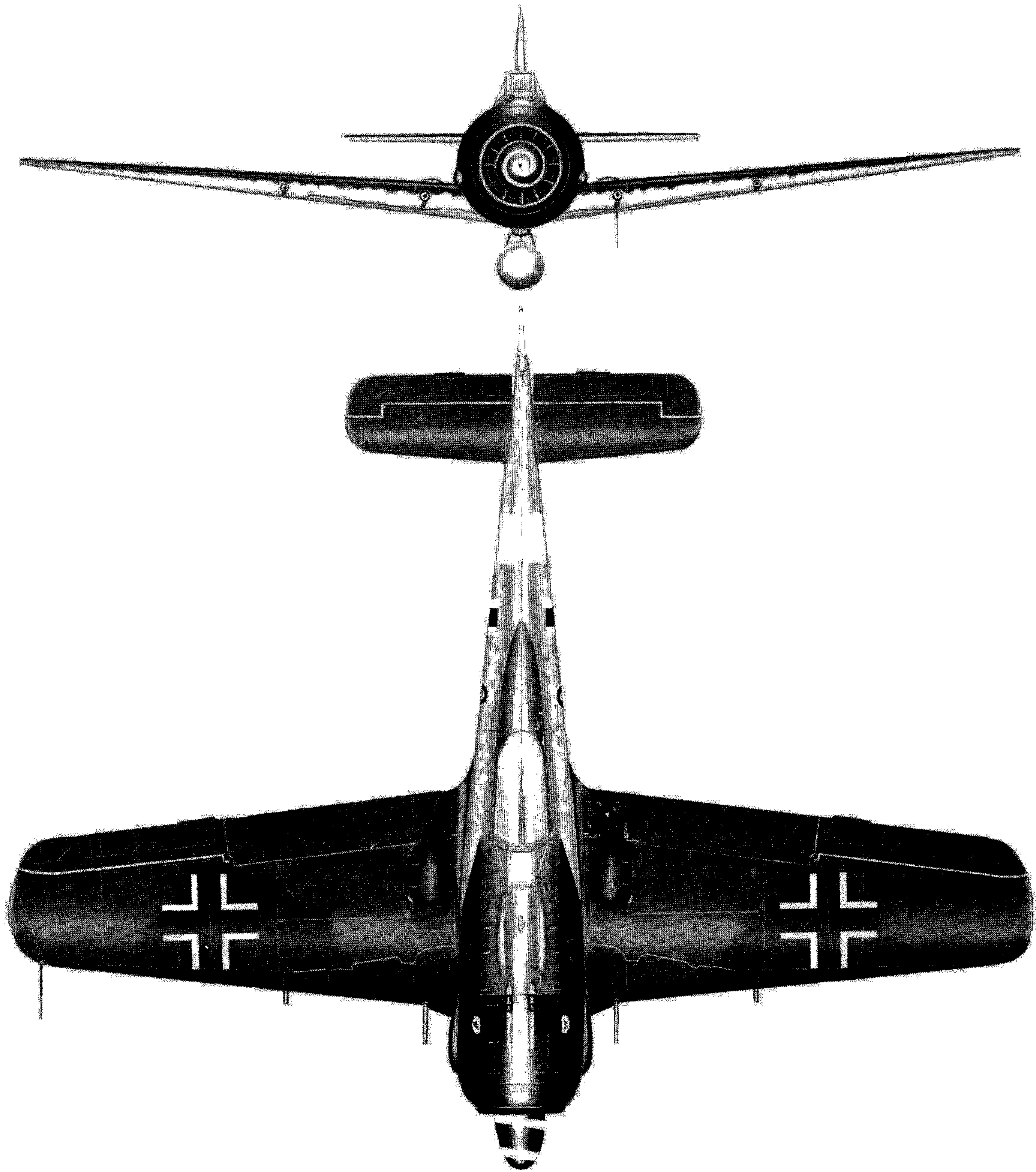




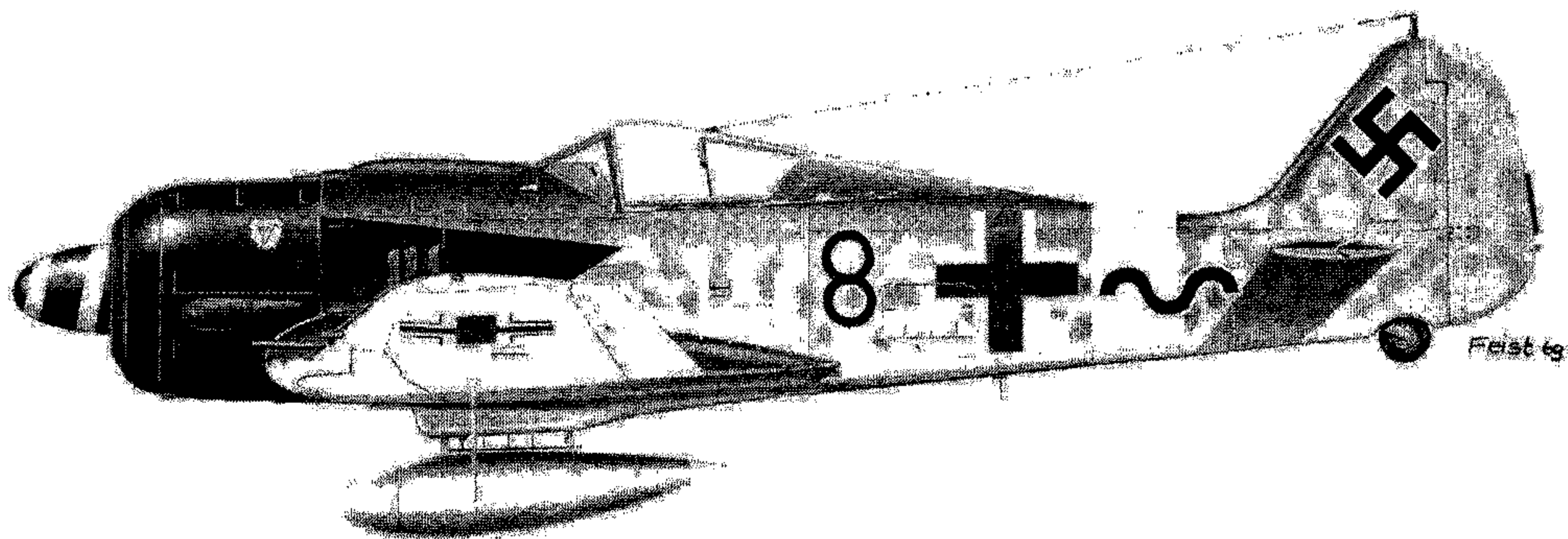
FOCKE WULF FW190A-7

DESIGNER:	Dipl. Ing. Kurt Tank
MANUFACTURER:	Focke Wulf Flugzeugwerke, Germany
TYPE:	Single-seat Fighter—Fighter-bomber
OPERATIONAL:	1941-1943
POWER PLANT:	1 x BMW 801D2 14 cyl. radial engine
COOLING:	Air
HORSEPOWER:	1700 h.p.
ARMAMENT:	2 x 13 mm MG 131 .2 x 20 mm MG 151 cannon
PERFORMANCE:	408 m.p.h. at 20000 ft.
RATE OF CLIMB:	2350 ft. per min.
CEILING:	37400 ft.
RANGE:	500 miles
FUEL:	—
WEIGHTS:	Empty 7000 lb., Loaded 9750 lb.
DIMENSIONS:	Span 34 ft. 5½ in. Length 29 ft. Height 13 ft. Wing area 196 sq. ft.

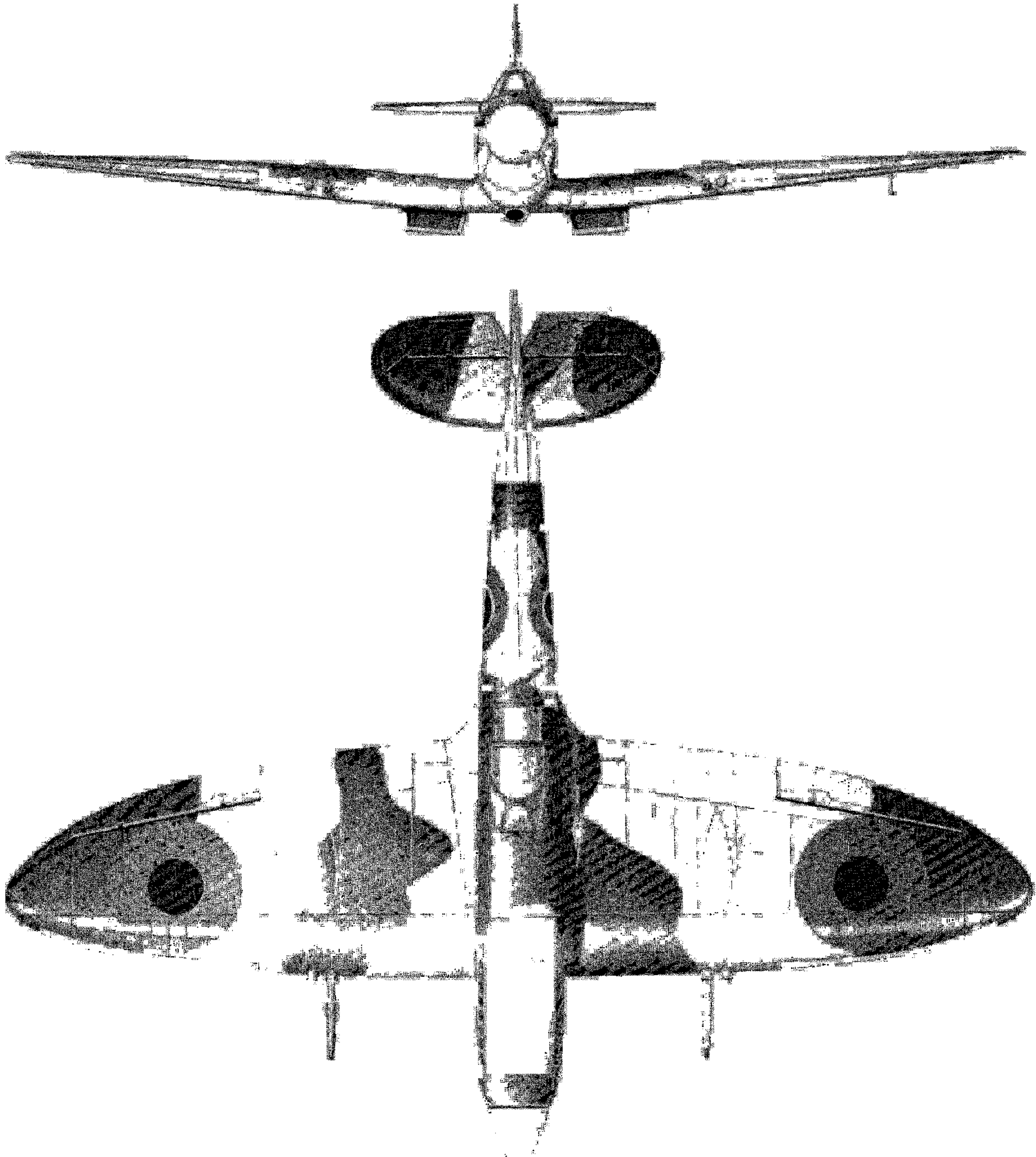
FOCKE WULF FW190A-7



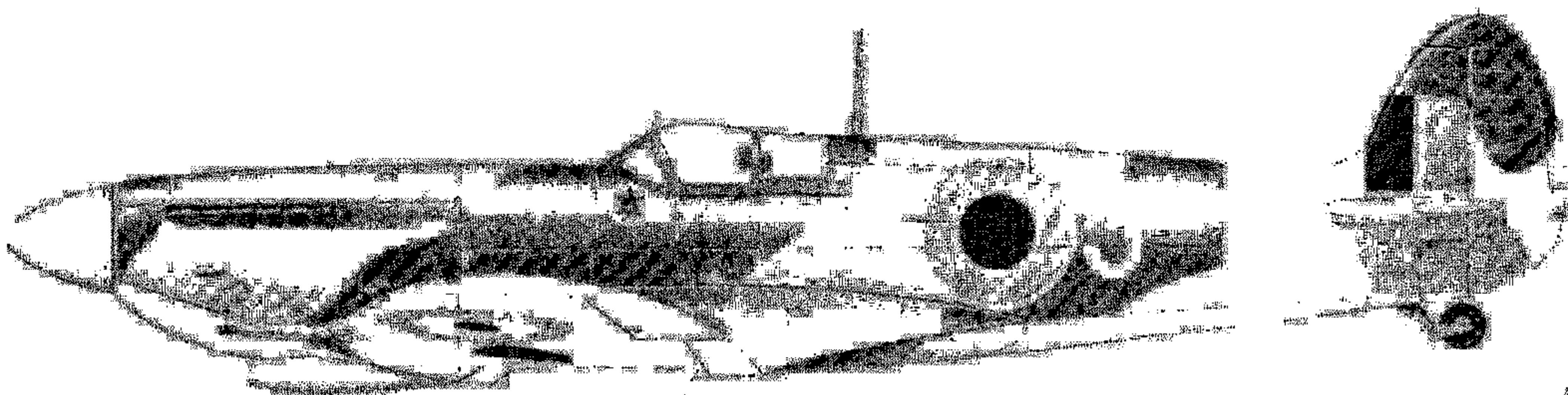
FW190A-7 III. Gruppe, Jagdgeschwader 3 "Udet"

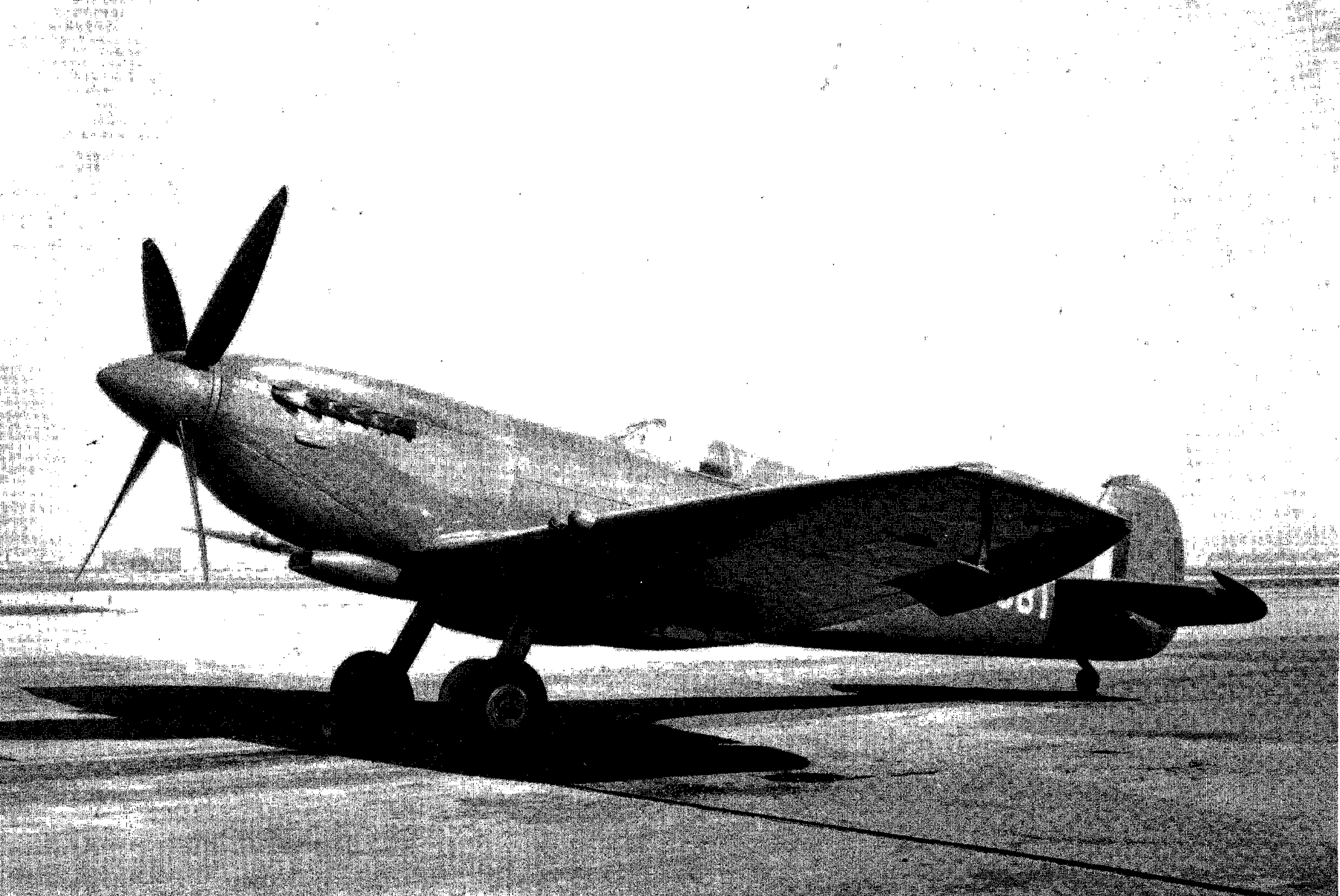


SUPERMARINE SPITFIRE MK. IX



Spitfire MK. IX Group Capt. J. Johnson, Canadian Wing
Royal Airforce No. 416 Squadron

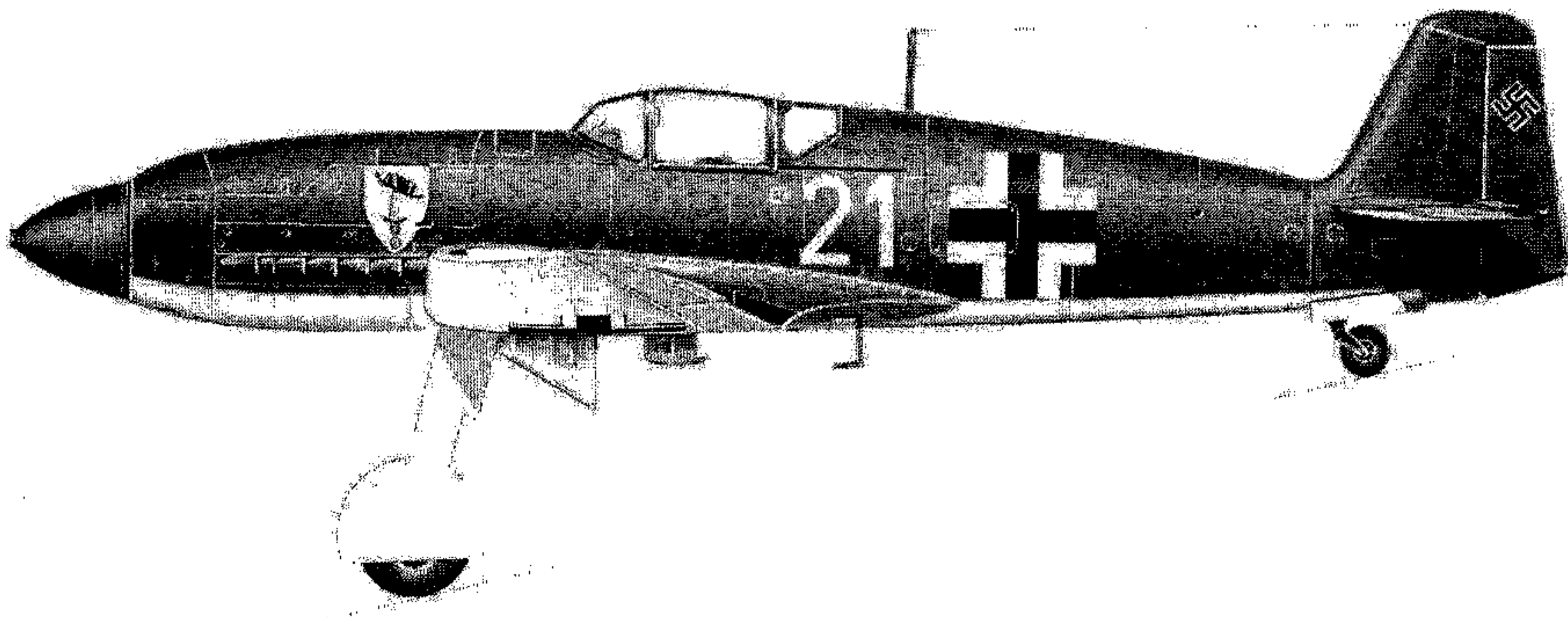
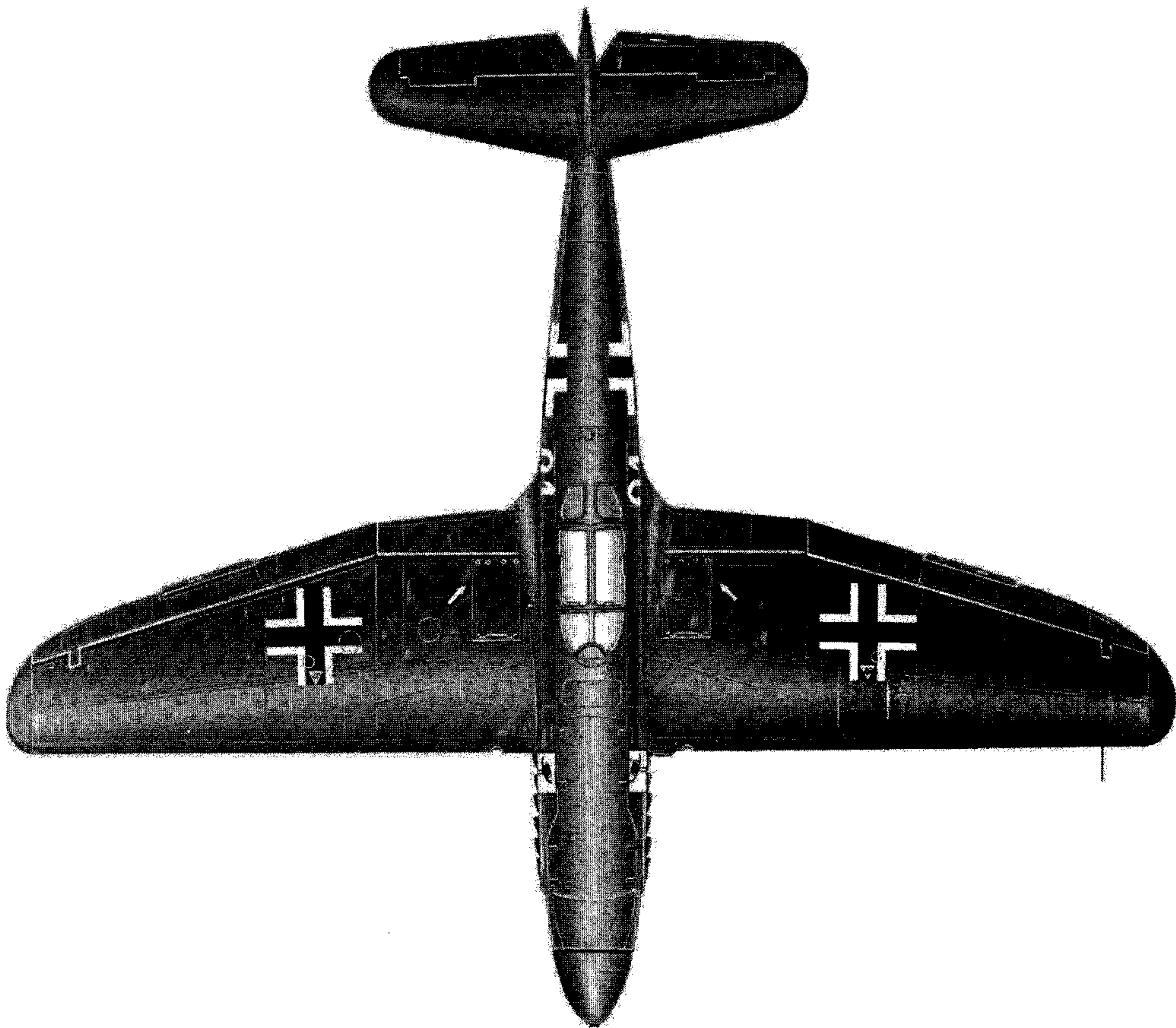
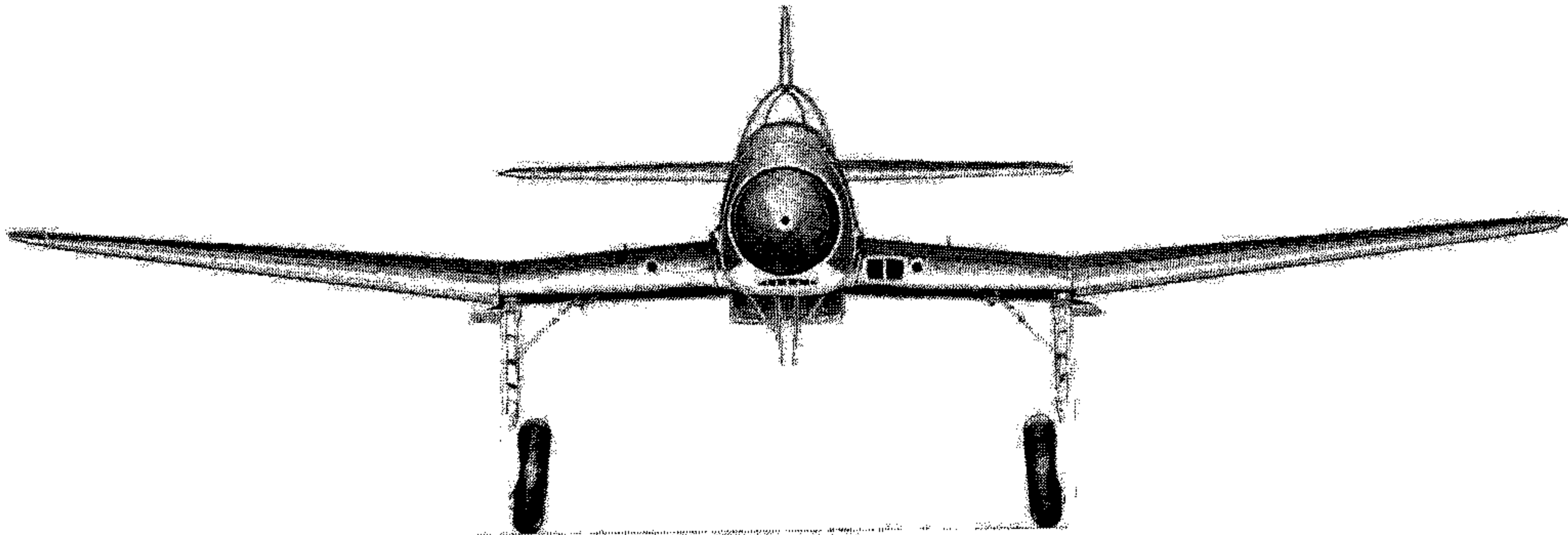


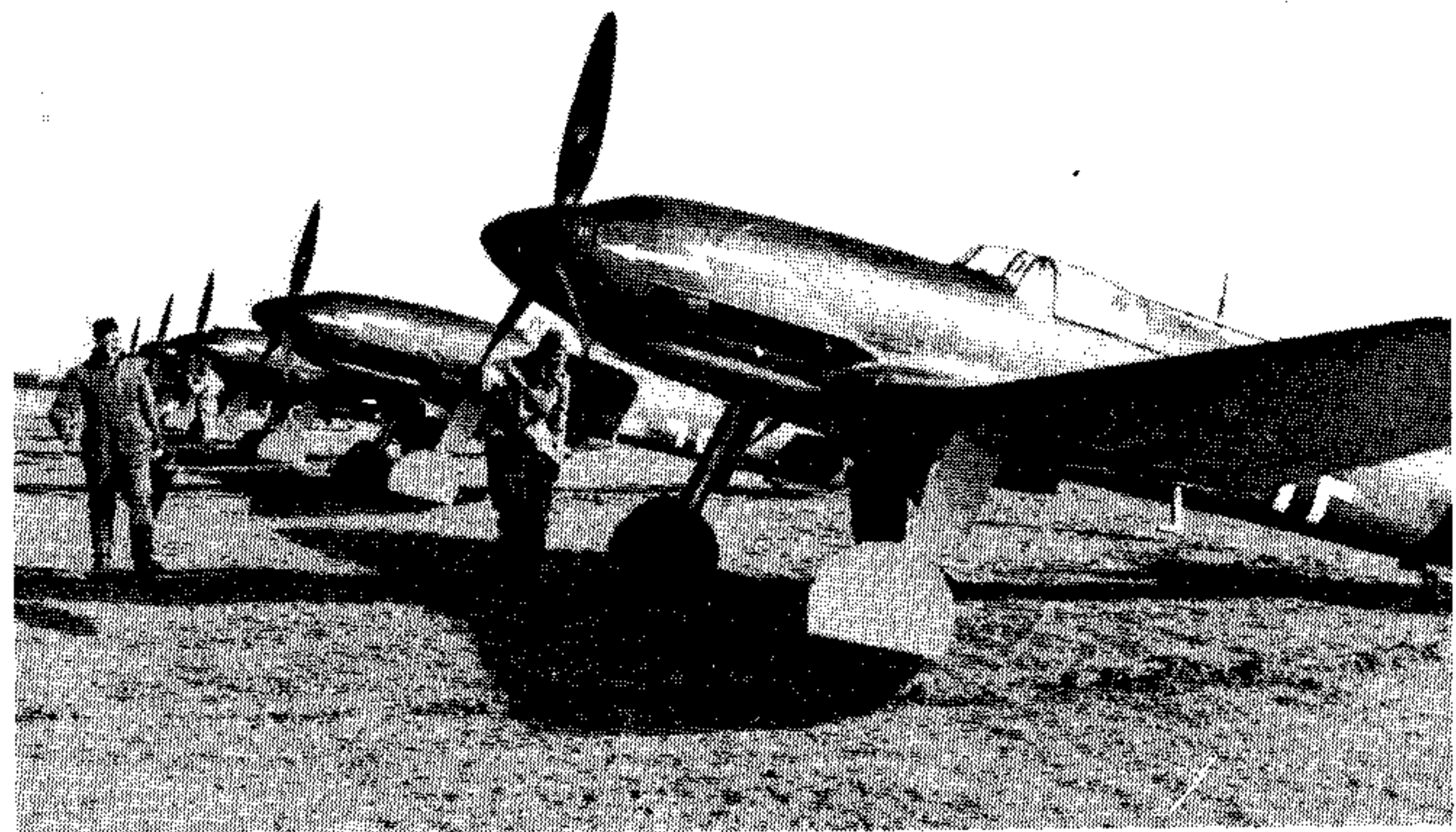
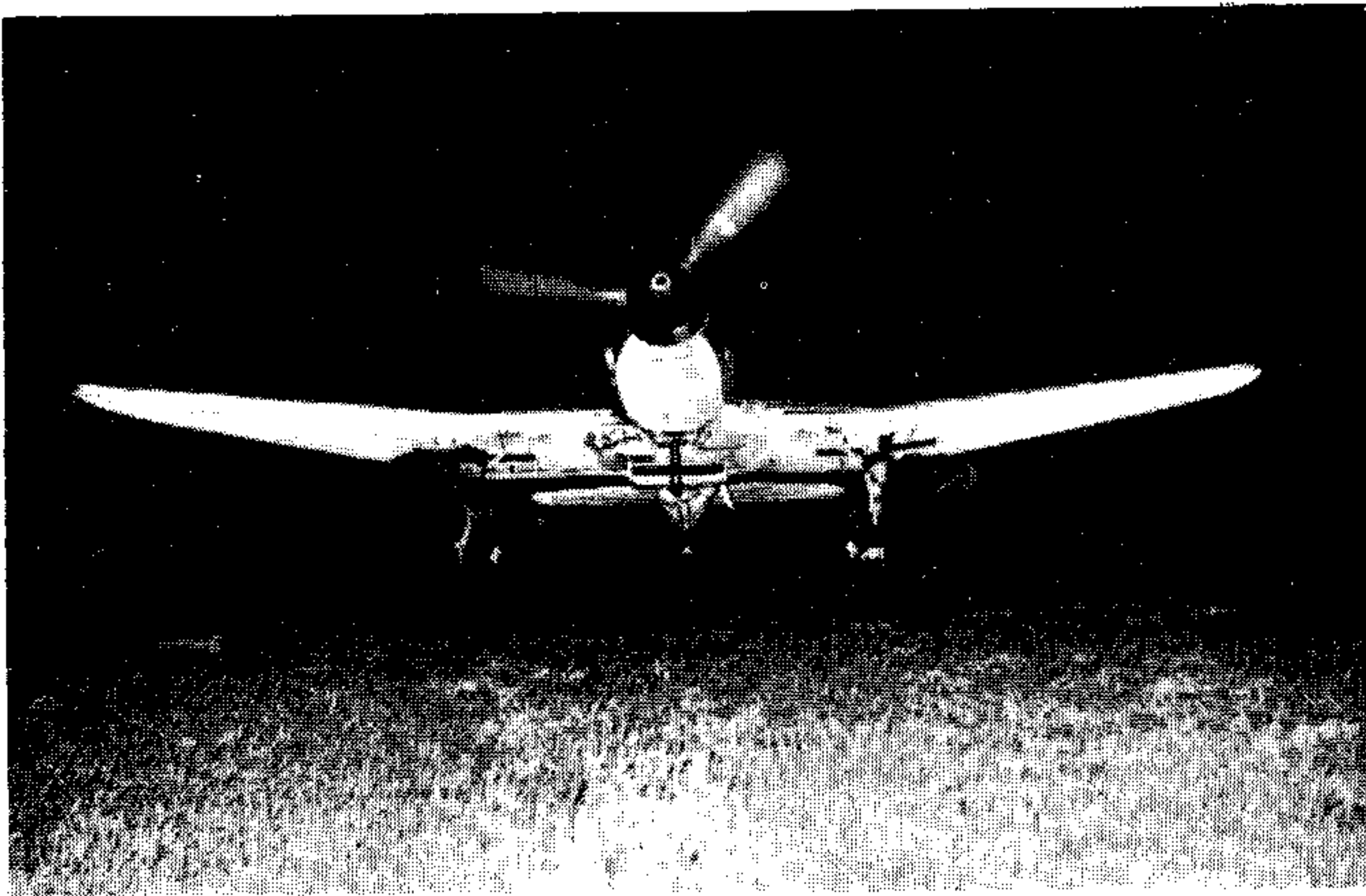
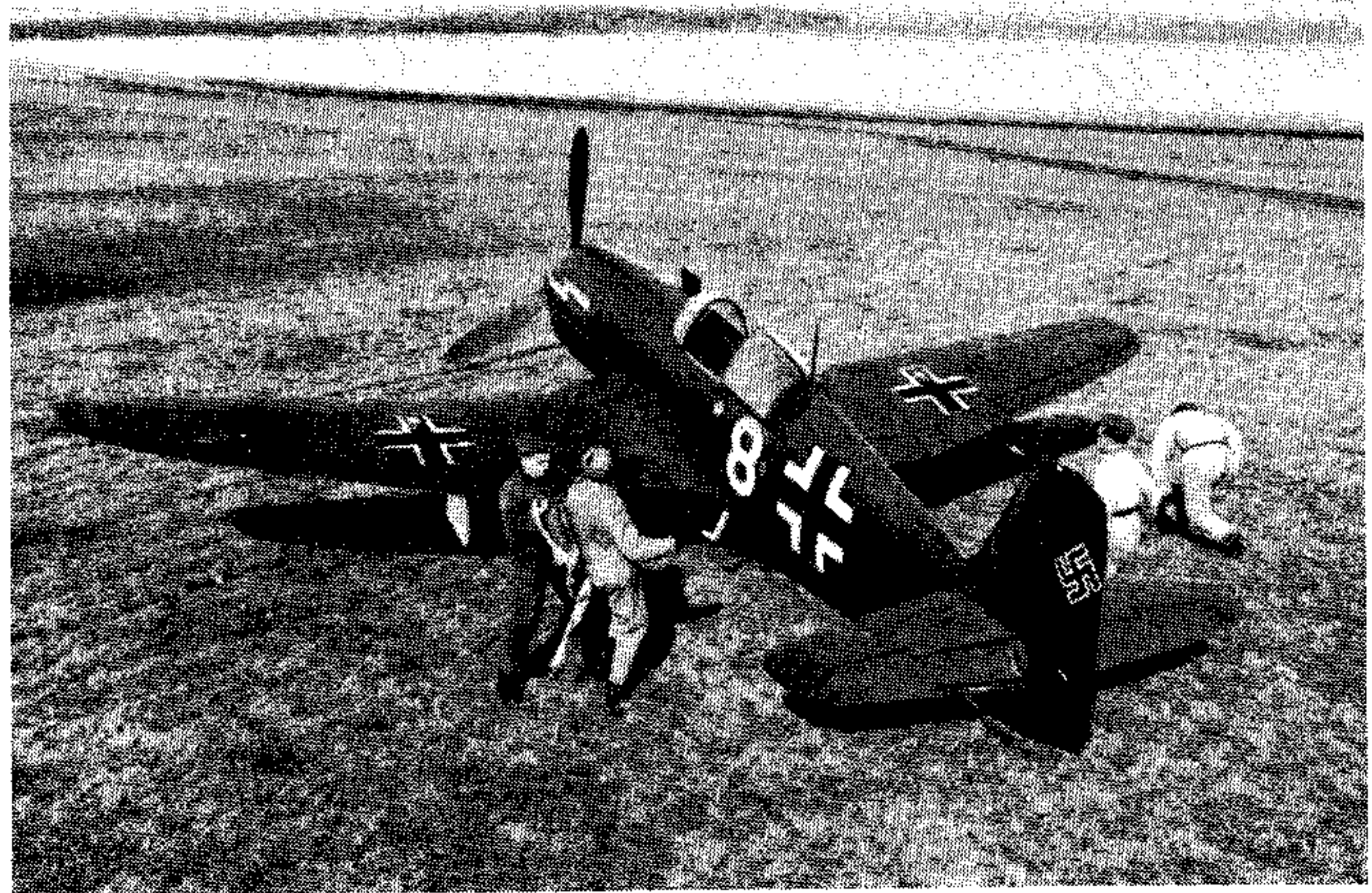
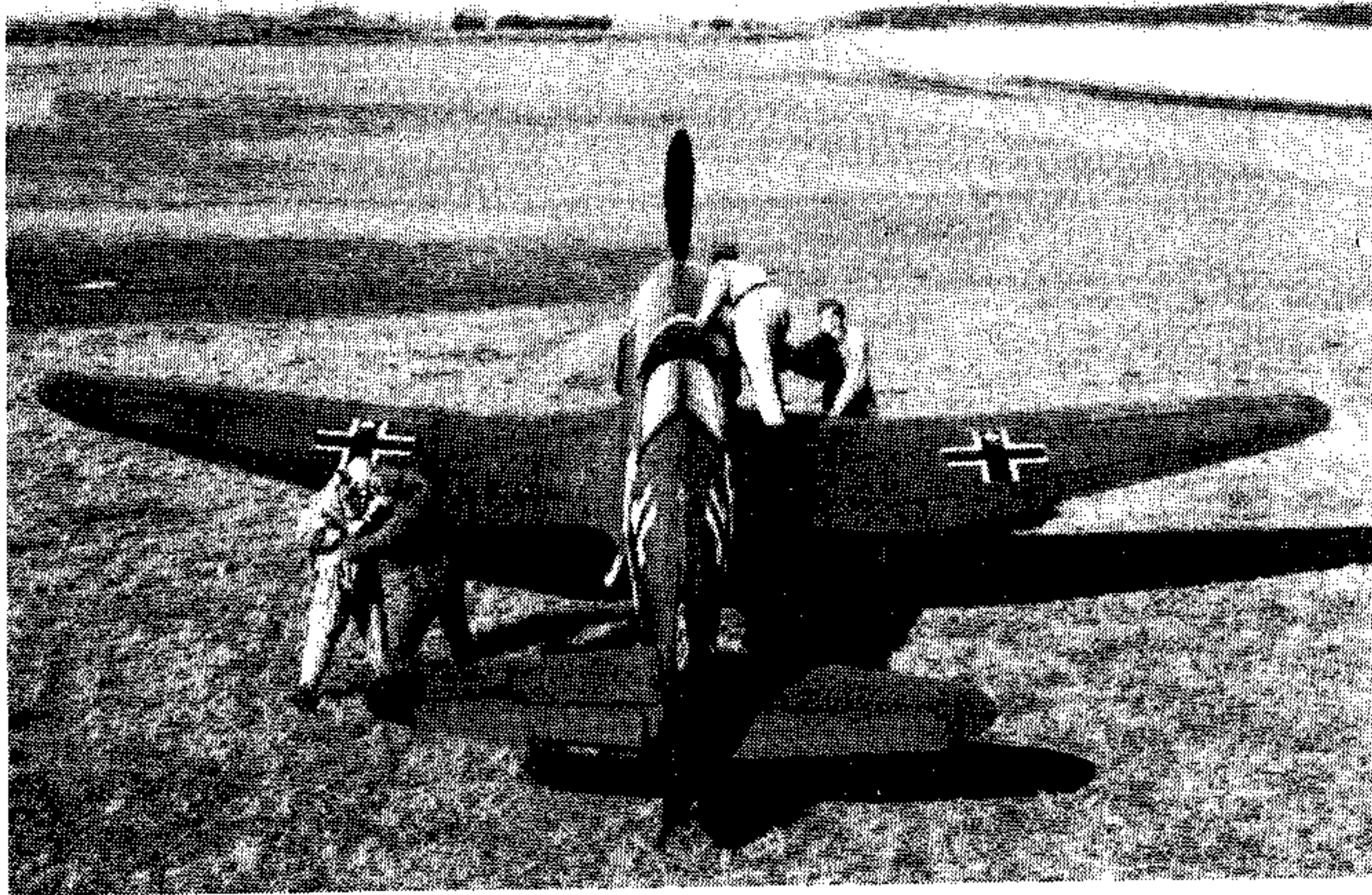


SUPERMARINE SPITFIRE MK. IX

DESIGNER:	R. J. Mitchell
MANUFACTURER:	Supermarine Great Britain
TYPE:	Single-seat Fighter, Fighter-bomber
OPERATIONAL:	1942-1944
POWER PLANT:	1 x Rolls Royce Merlin 66 12 cyl.
	Vee engine
COOLING:	Liquid
HORSEPOWER:	1720 h.p.
ARMAMENT:	2 x 20 mm Hispano cannon (120 r.p.g.)
	2 x 0.5 in. Browning MG (250 r.p.g.)
	1 x 500 lb. and 2 x 250 lb. bombs
PERFORMANCE:	404 m.p.h. at 21000 ft.
RATE OF CLIMB:	6.4 min to 20000 ft.
CEILING:	42500
RANGE:	220 miles (internal fuel)
FUEL:	—
WEIGHTS:	Empty 5800 lb., Loaded 7500 lb.
DIMENSIONS:	Span 32 ft. 7 in.
	Length 31 ft. 4 in.
	Height 12 ft. 7 in.
	Wing area 231 sq. ft.

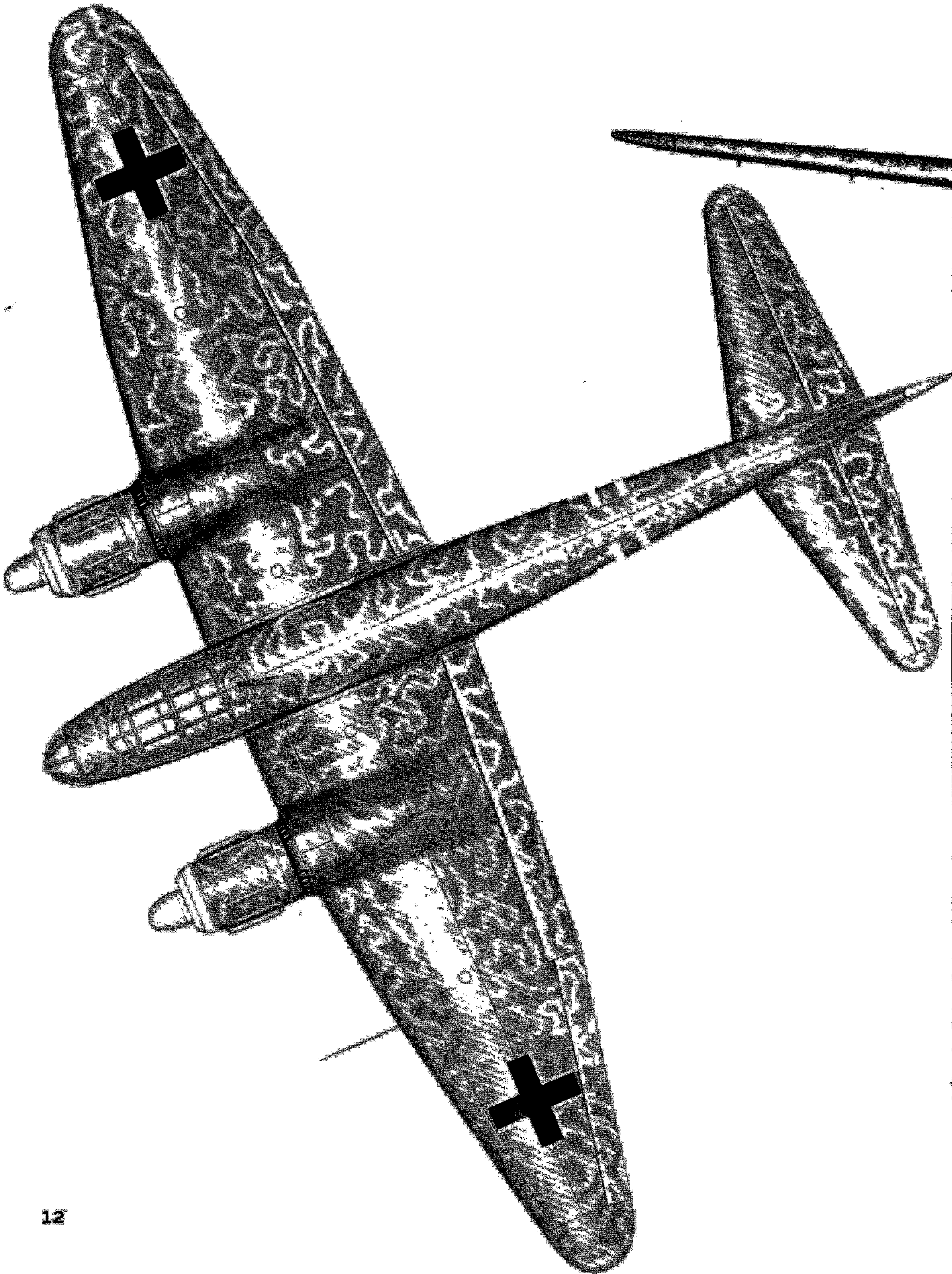
HEINKEL He 100D

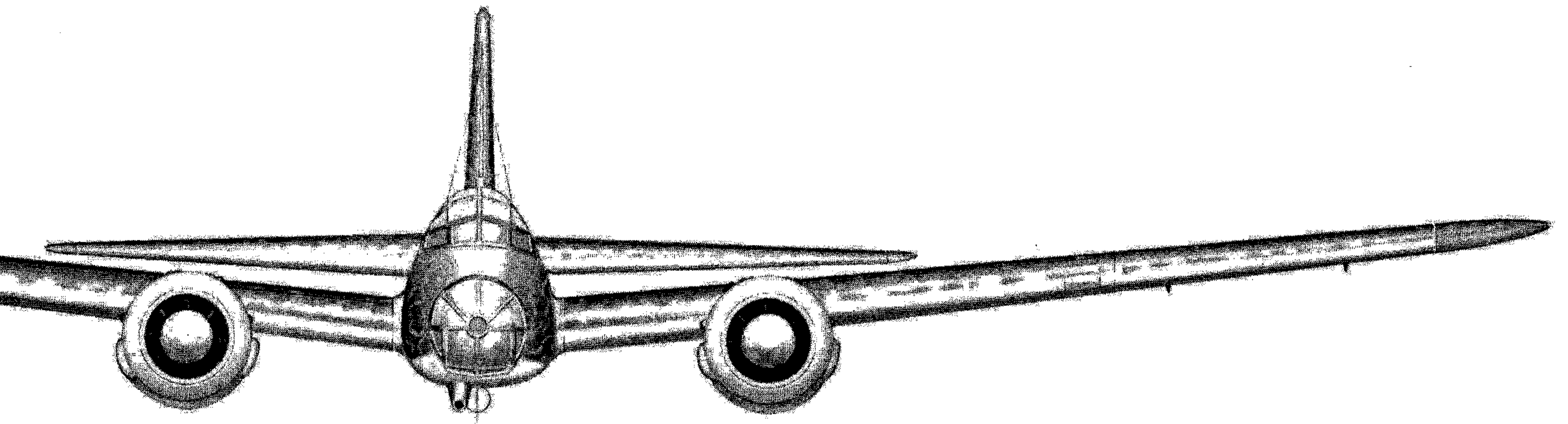




HEINKEL He 100D

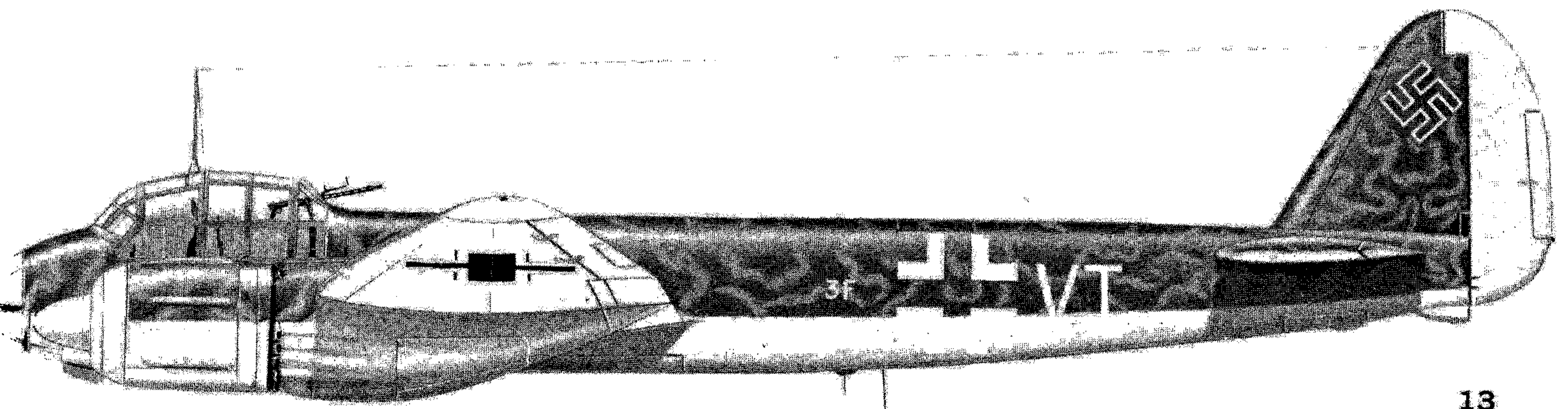
DESIGNER:	Prof. Dr. Ing. Ernst Heinkel
MANUFACTURER:	Ernst Heinkel A.G. Germany
TYPE:	Single-seat Fighter
OPERATIONS:	No Service
POWER PLANT:	1 x Daimler Benz DB601M 12 cyl. inverted-Vee
COOLING:	Liquid
HORSEPOWER:	1020 h.p.
ARMAMENT:	1 x 20 mm MGFF/M cannon, 2 x 7.92 mm MG17
PERFORMANCE:	Max. Speed 416 m.p.h. at 13120 ft.
RATE OF CLIMB:	3287 ft. per min.
CEILING:	32450 ft.
RANGE:	559 miles
FUEL:	95 Imp. Gal.
WEIGHTS:	Empty 4563 lb., Loaded 5512 lb.
DIMENSIONS:	Span 30 ft. 10 in. Length 26 ft. 10 in. Height 8 ft. 2 in. Wing area 156 sq. ft.



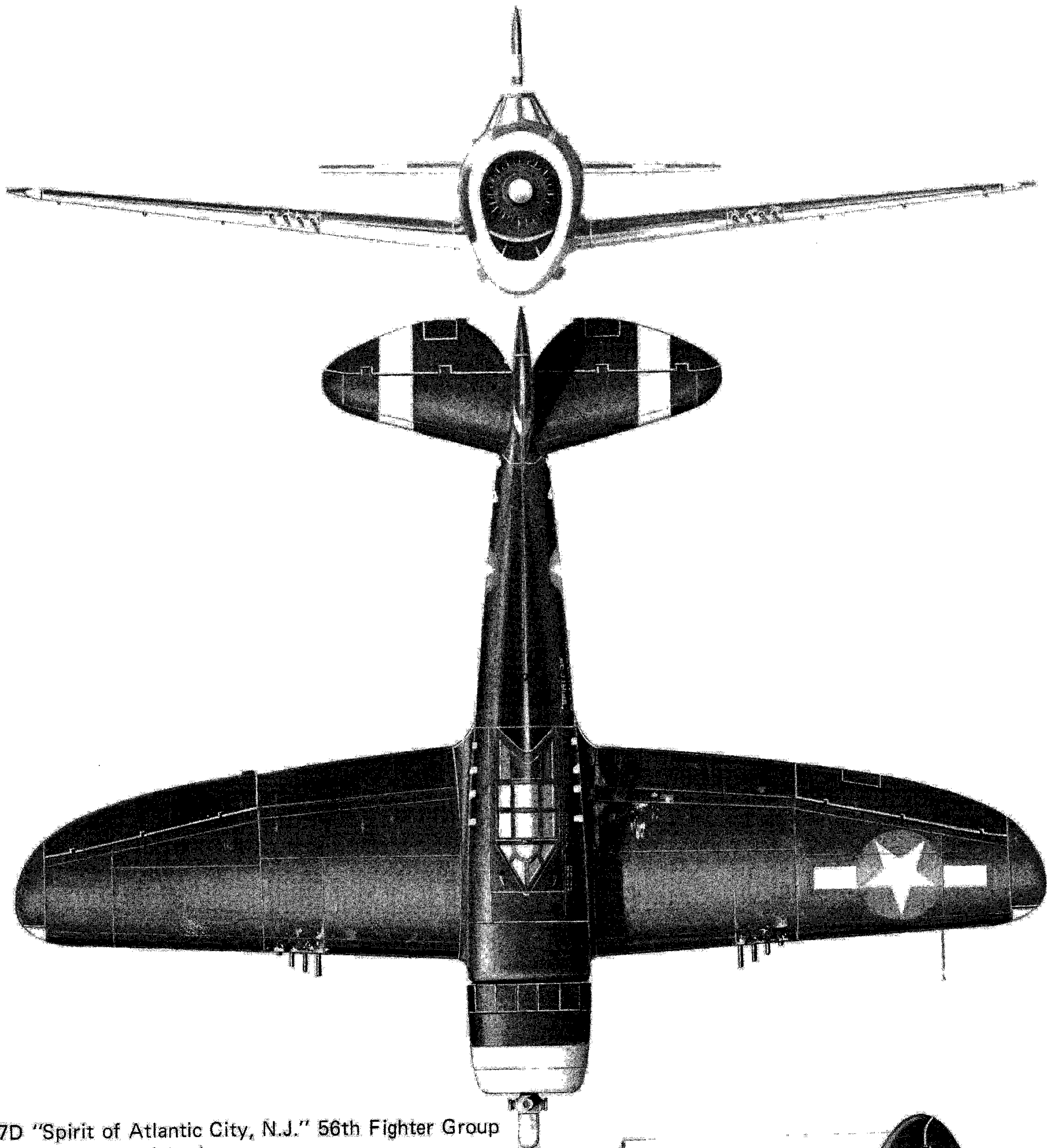


JUNKERS JU 88S-1

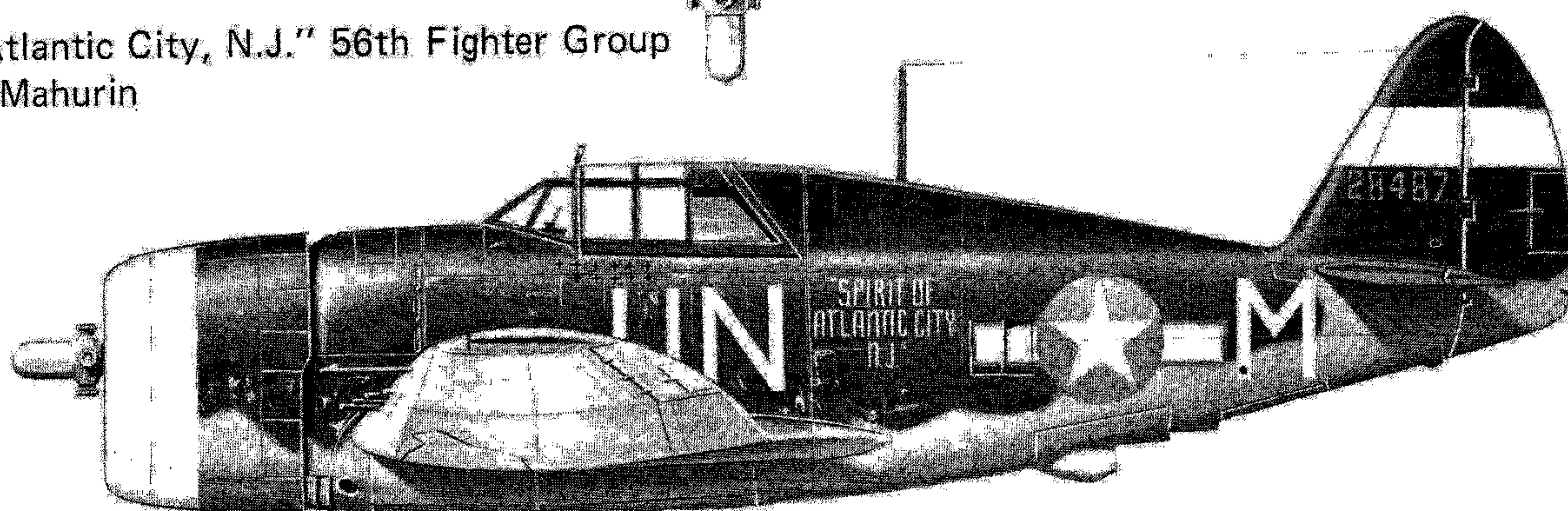
DESIGNER:	Design Team Under Dipl. Ing. Zindel
MANUFACTURER:	Junkers Flugzeugwerke Dessau, Germany
TYPE:	Three-seat Bomber
OPERATIONAL:	1943-1945
POWER PLANT:	2 x BMW 801G2 12 cyl. radial engine
COOLING:	Air
HORSEPOWER:	1730 h.p.
ARMAMENT:	1 x 13 mm MG 131 (250 rounds) int. Bomb load 14143 lb. SD 65 bombs or Ext. 2 x 1102 lb SD500 or 2205 lb. SD1000 bombs
PERFORMANCE:	379 m.p.h. at 26250 ft. (with GM1 boost)
RATE OF CLIMB:	—
CEILING:	38000 ft. (with GM1 boost)
RANGE:	5 hr. 45 min. (economic cruising)
FUEL:	787 Imp. Gal.
WEIGHTS:	Empty 18250 lb., Loaded 30400 lb.
DIMENSIONS:	Span 65 ft. 7½ in. Length 48 ft. 9 in. Height 15 ft. 8 in. Wing area 586.63 sq. ft.



REPUBLIC P-47D "THUNDERBOLT"



P-47D "Spirit of Atlantic City, N.J." 56th Fighter Group
Pilot: Col. Walker Mahurin





REPUBLIC P-47D "THUNDERBOLT"

DESIGNER:	Alexander Kartveli
MANUFACTURER:	Republic factory, Farmingdale & Evansville U.S.A.
TYPE:	Single-seat Long range Fighter, Fighter-bomber
OPERATIONAL:	1943-1945
POWER PLANT:	1 x Pratt and Whitney R-2800-21 18 cyl. radial engine
COOLING:	Air
HORSEPOWER:	2300 h.p.
ARMAMENT:	8 x 0.5 in Browning MG (425 r.p.g.) 1 x 500 lb.
PERFORMANCE:	406 m.p.h. at 20000 ft.
RATE OF CLIMB:	2750 ft. per min.
CEILING:	40000 ft.
RANGE:	640 miles (internal fuel)
FUEL:	—
WEIGHTS:	Empty 9900, Loaded 15000 lb.
DIMENSIONS:	Span 40 ft. 9½ in. Length 36 ft. 1¼ in. Height 14 ft. 7 in. Wing area 300 sq. ft.

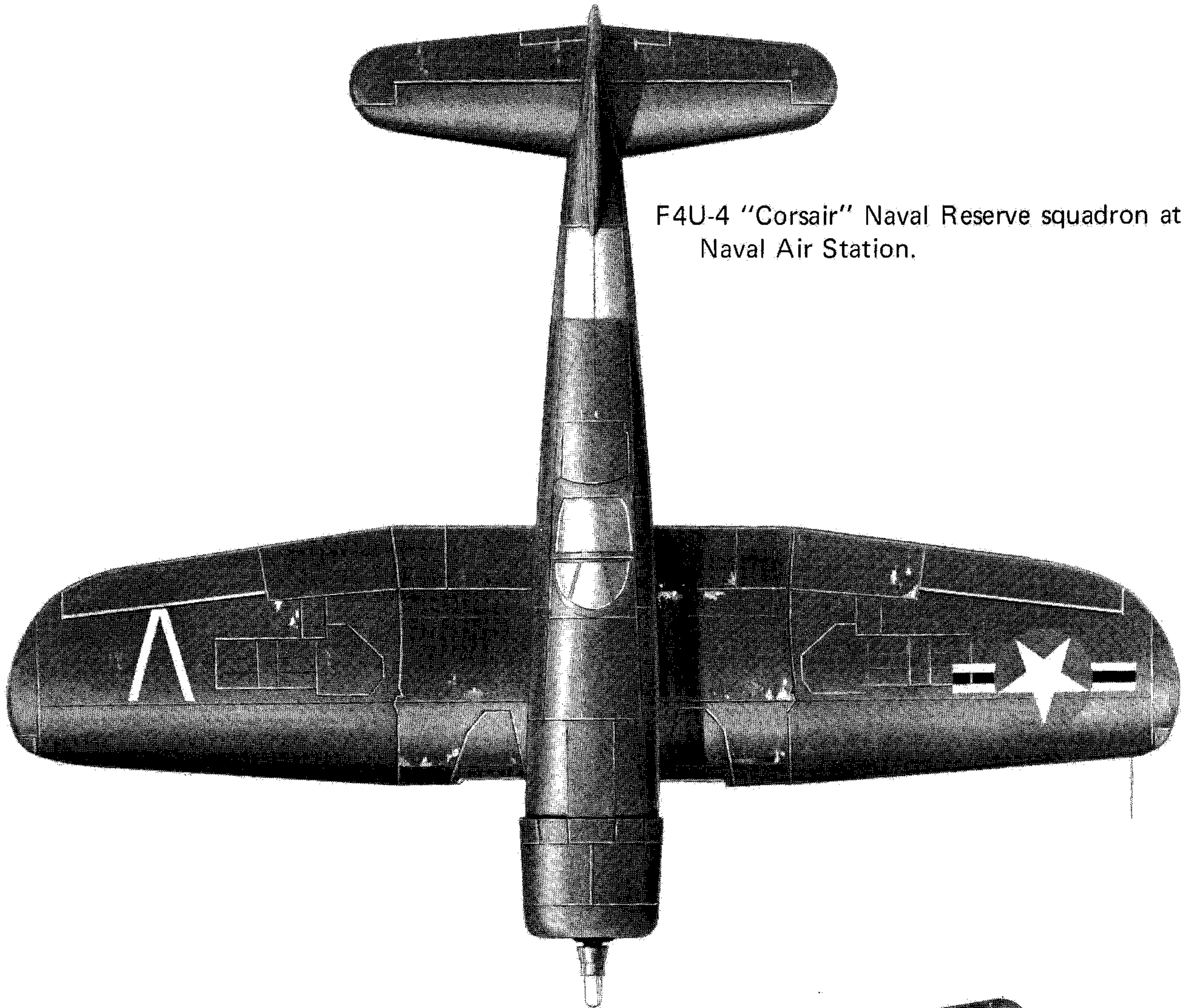
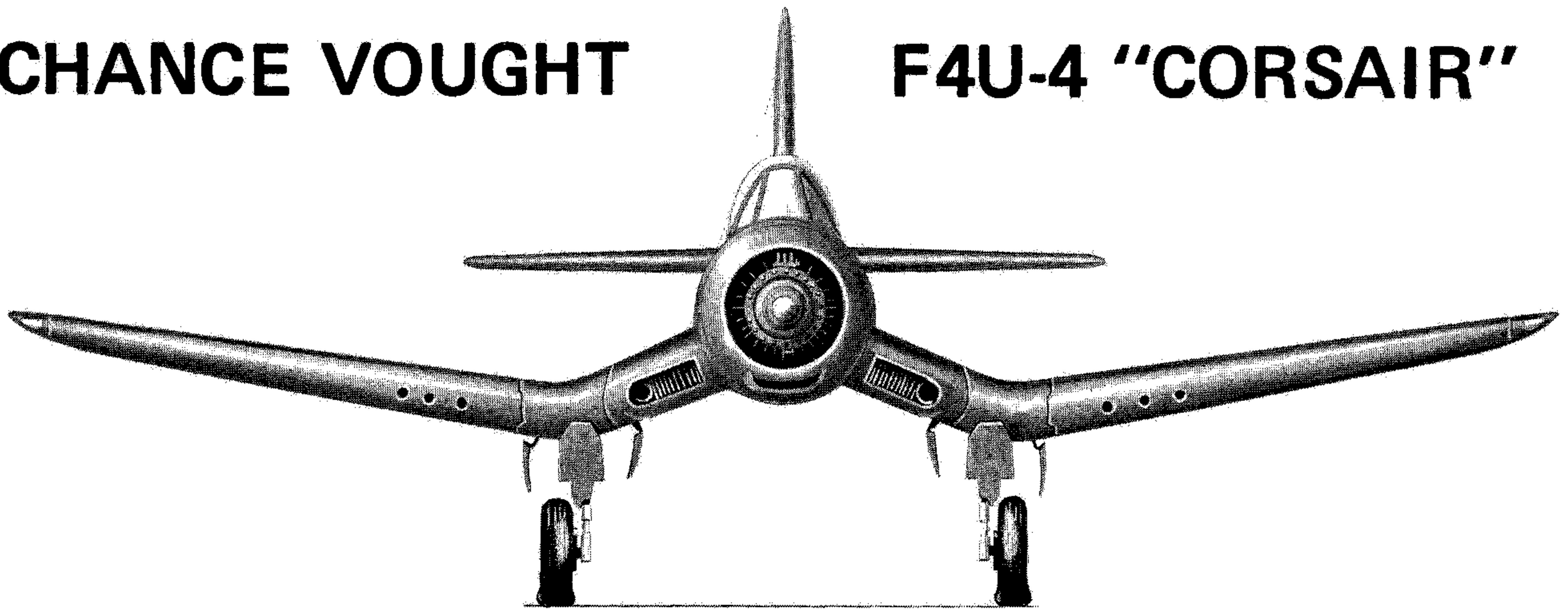


CHANCE VOUGHT F4U-4 "CORSAIR"

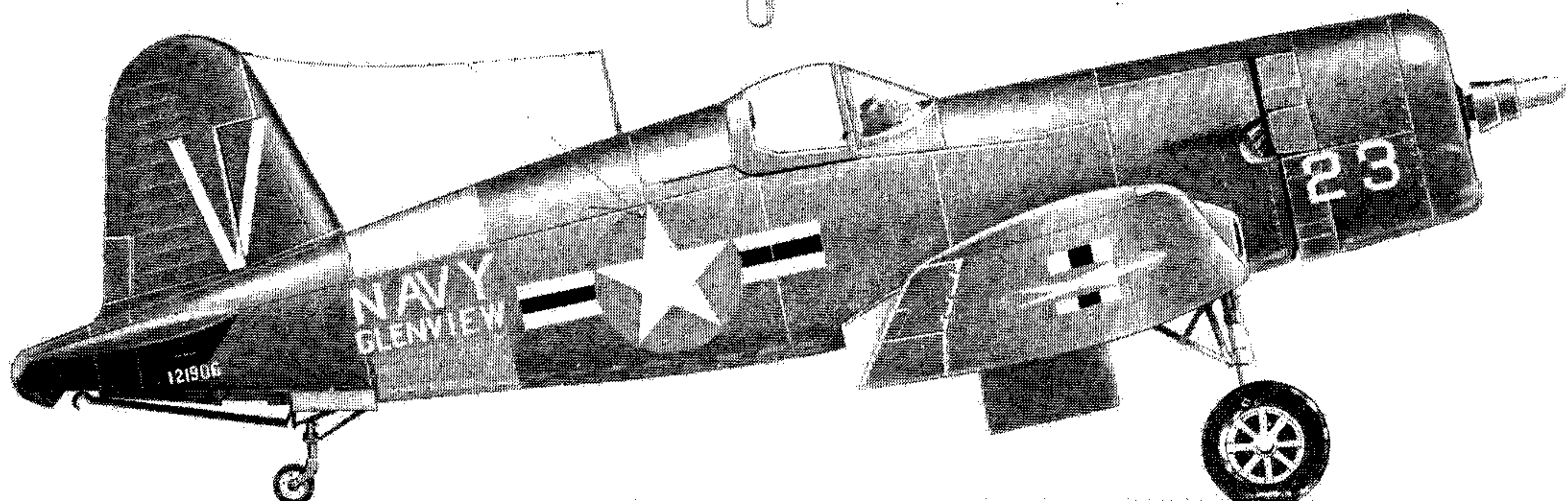
DESIGNER:	Team headed by Rex B. Beisel
MANUFACTURER:	Chance Vought Aircraft U.S.A.
TYPE:	Single-seat Shipboard Fighter, Fighter-bomber
OPERATIONAL:	1944-
POWER PLANT:	1 x Pratt and Whitney R-2800-18W Double .Wasp 18 cyl. radial engine
COOLING:	Air
HORSEPOWER:	2450 h.p.
ARMAMENT:	6 x 0.5 in. Browning MG 53-2 (400 r.p.g.) 2 x 1000 lb. bombs
PERFORMANCE:	446 m.p.h. at 20000 ft.
RATE OF CLIMB:	3870 ft. per min.
CEILING:	41500 ft.
RANGE:	max. 1560 miles
FUEL:	—
WEIGHTS:	Empty 9205 lb., Loaded 14670 lb.
DIMENSIONS:	Span 40 ft. 11 in. Length 33 ft. 8 in. Height 14 ft. 9 in. Wing area 314 sq. ft.

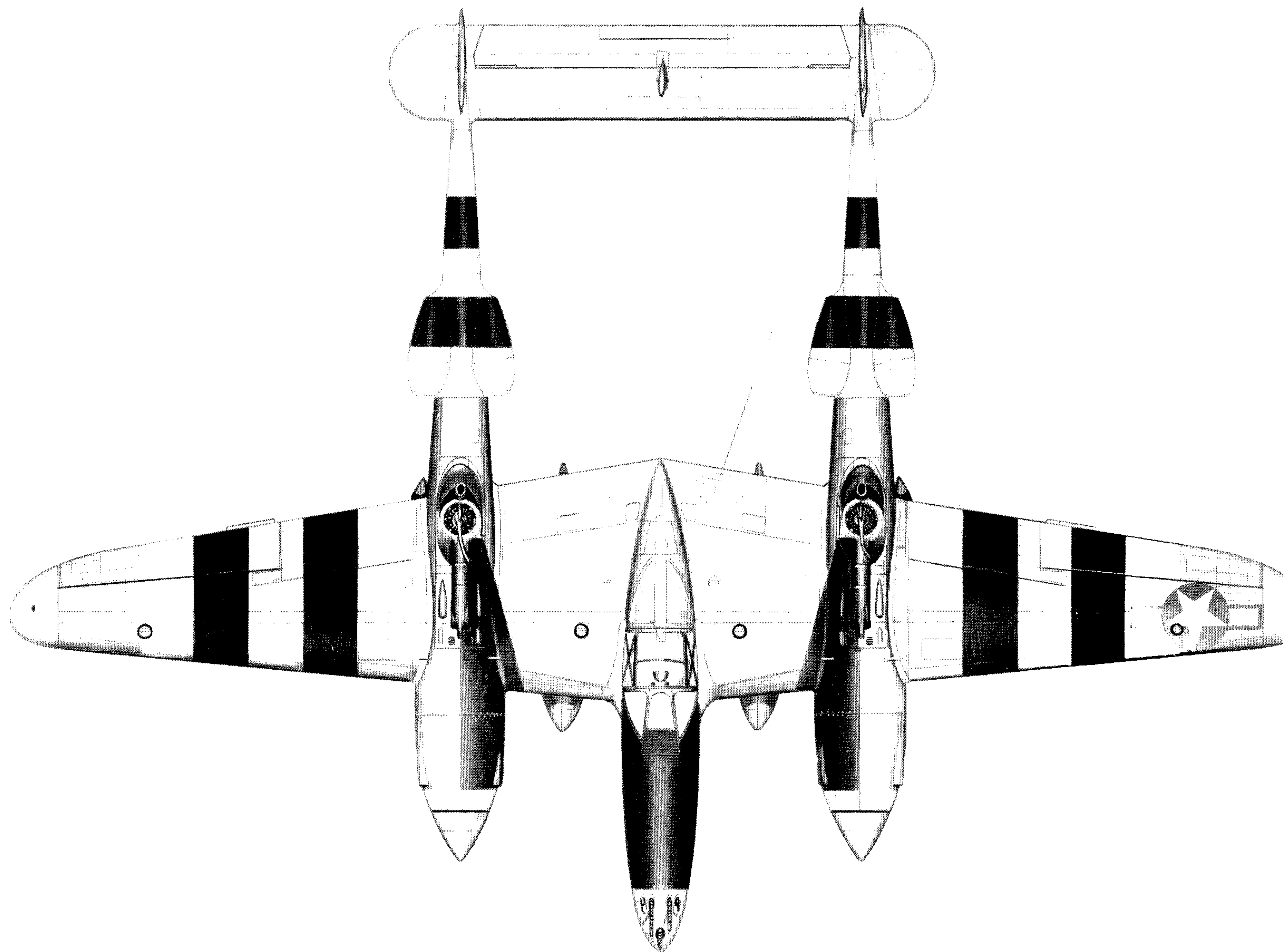
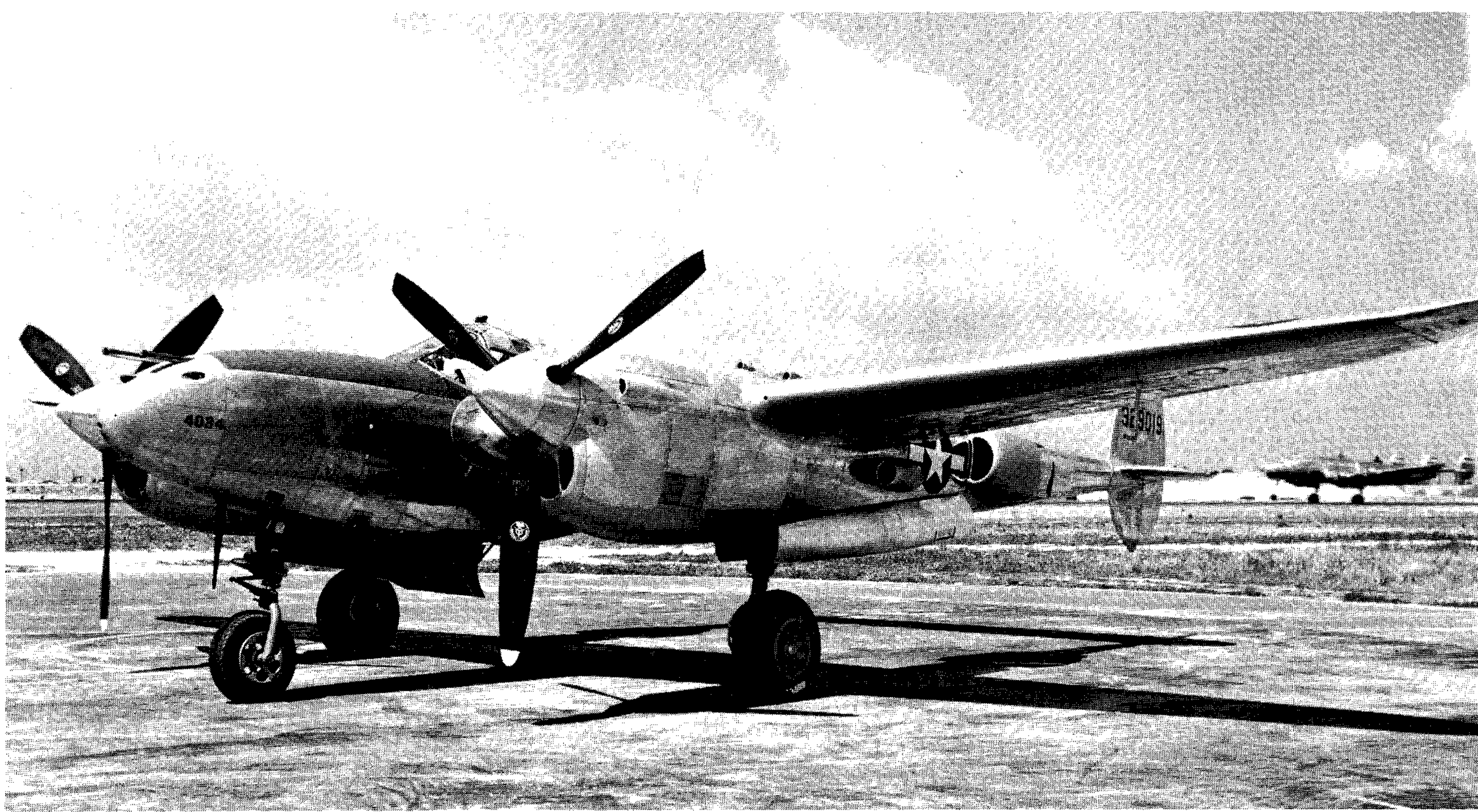
CHANCE VOUGHT

F4U-4 "CORSAIR"



F4U-4 "Corsair" Naval Reserve squadron at Glenview Naval Air Station.

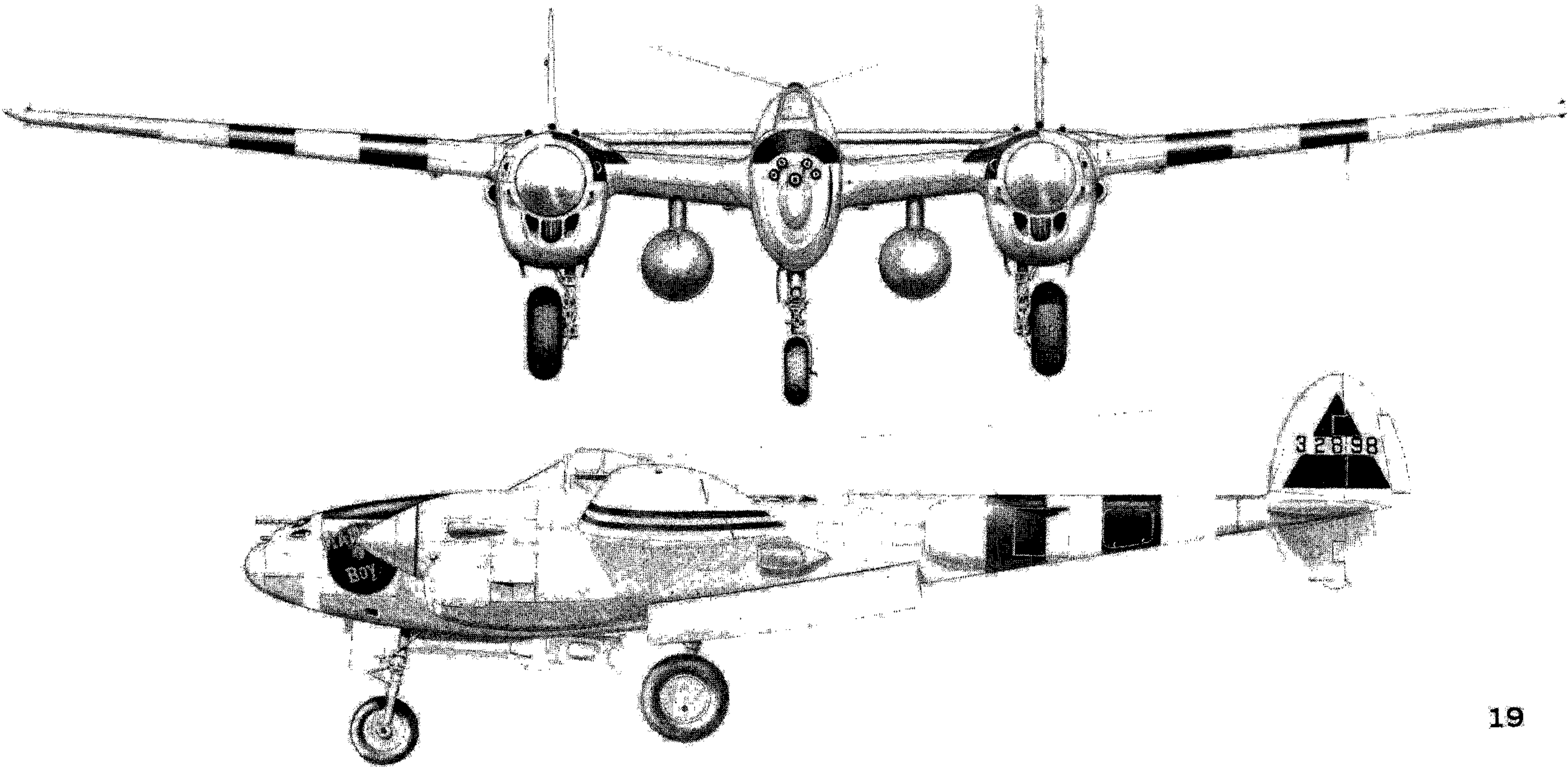




LOCKHEED P-38 J-15 "LIGHTNING"

DESIGNER:	Team headed by Clarence L. Johnson
MANUFACTURER:	Lockheed Aircraft Corp. California U.S.A.
TYPE:	Single-seat Long-range Fighter, Fighter-bomber
OPERATIONAL:	1943-1945
POWER PLANT:	2 x Allison V-1710-89/91 .12 cyl. Vee engine
COOLING:	Liquid
HORSEPOWER:	1425 h.p. each
ARMAMENT:	1 x 20 mm Hispano M2(c) cannon (150 r.p.g.) 4 x 0.5 in. Colt-Browning MG 53-2 (500 r.p.g.) 2 x 500 lb. 1000 lb. or 1600 lb. bombs
PERFORMANCE:	414 m.p.h. at 25000 ft.
RATE OF CLIMB:	5000 ft. 2 min. to 20000 ft. 7 min.
CEILING:	44000 ft.
RANGE:	475 miles (Internal fuel)
FUEL:	341 Imp. Gal.
WEIGHTS:	Max. 21600 lb.
DIMENSIONS:	Span 52 ft. Length 37 ft. 10 in. Height 9 ft. 10 in. Wing area 327.5 sq. ft.

P-38J-15-Lo "Mama's Boy" 20th Fighter Group, 55th Ftr. Squadron
based at Kingscliff England
Pilot: Lt. Edwin Wasi

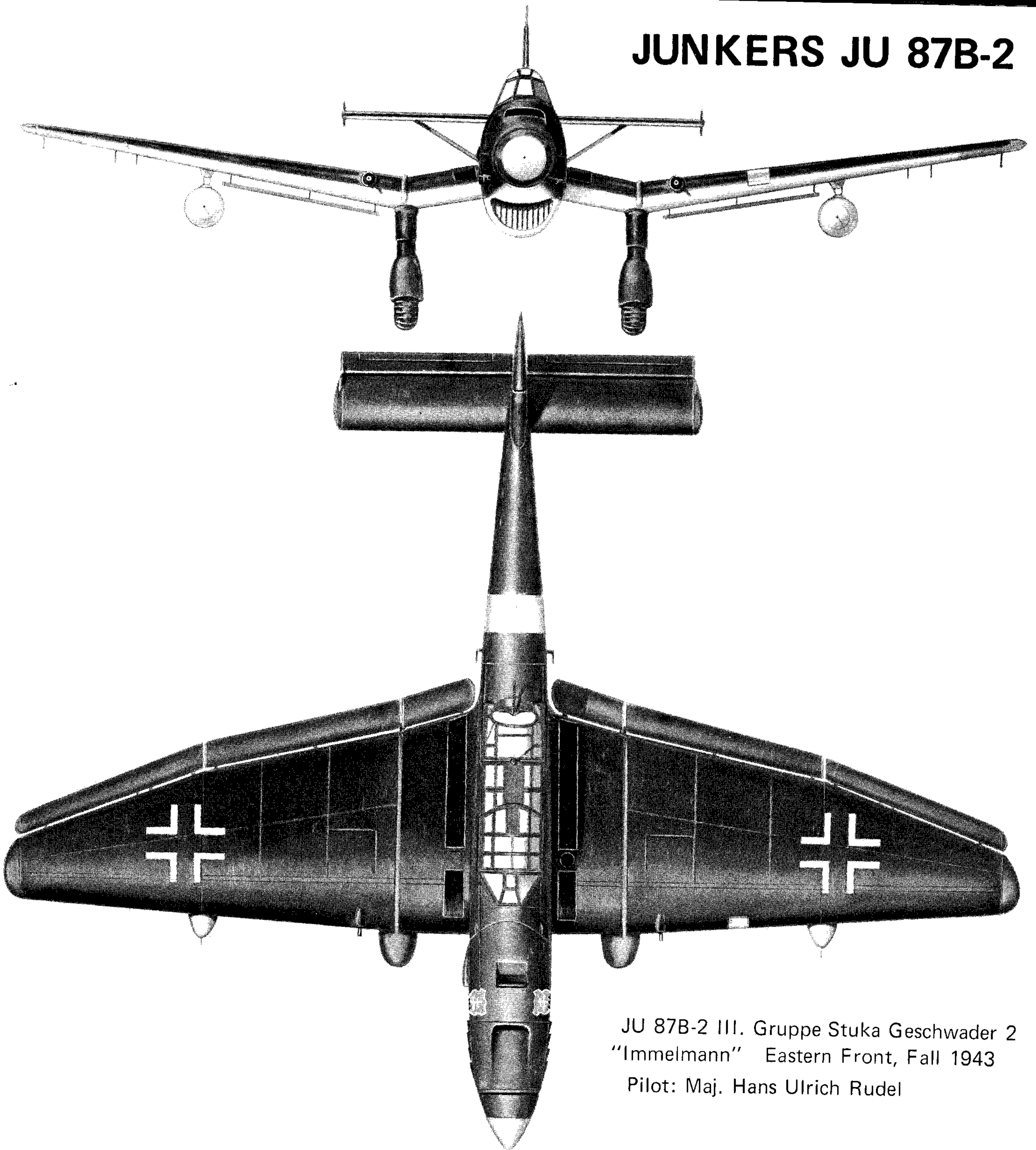




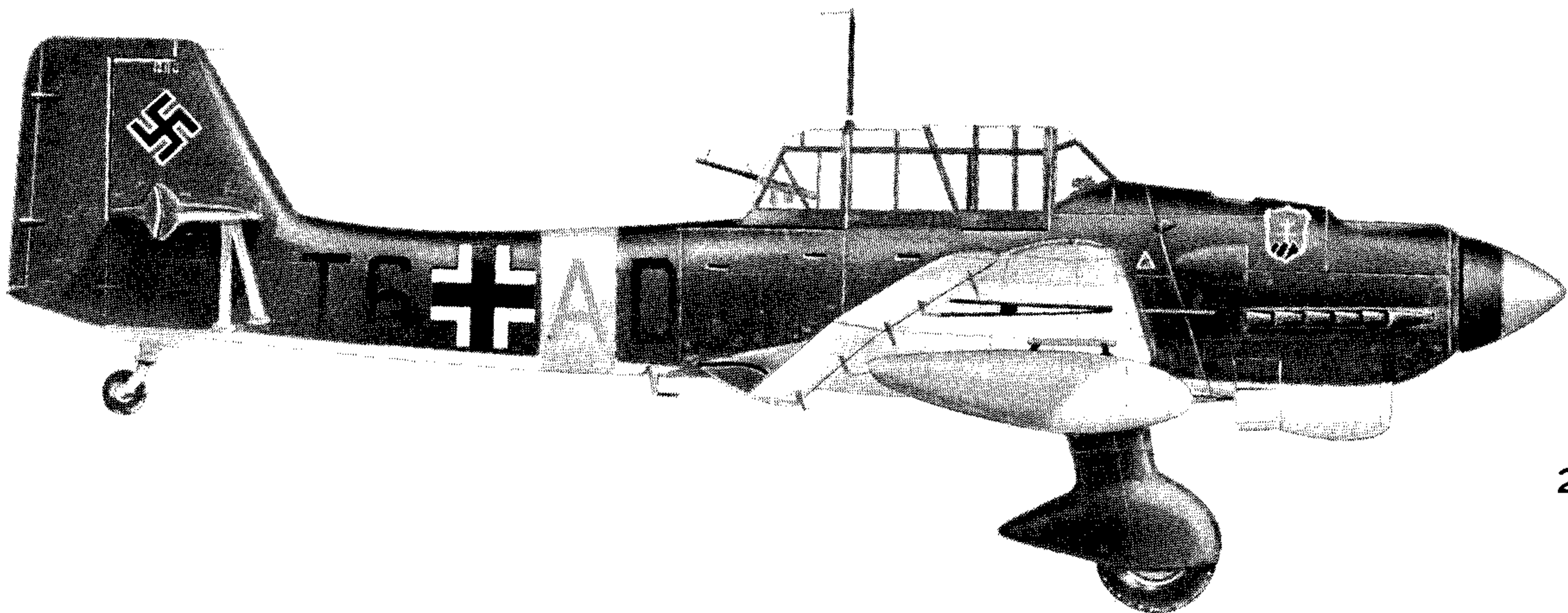
JUNKERS JU 87B-2 "STUKA"

DESIGNER:	Dip. Ing. Pohlmann and Karl Plauth
MANUFACTURER:	Junkers Flugzeugwerke Dessau, Germany
TYPE:	Two-seat Dive bomber
OPERATIONAL:	1939-1942
POWER PLANT:	1 x Junkers Jumo 211 Da 12 cyl. engine
COOLING:	Liquid
HORSEPOWER:	1200 h.p.
ARMAMENT:	2 x 7.92 mm MG17, 1 x 7.92 mm MG15 (rear firing) 1 x 1102 bomb or 1 x 5511b bomb and 4 x 110 lb. bombs
PERFORMANCE:	238 m.p.h. at 13410 ft.
RATE OF CLIMB:	—
CEILING:	26250 ft.
RANGE:	370 miles with 1102 lb. (500 kg) bombload
FUEL:	—
WEIGHTS:	Empty 5980 lb., Loaded 9560 lb.
DIMENSIONS:	Span 45 ft. 3½ in. Length 36 ft. 5 in. Height 13 ft. 2 in. Wing area 343.360 sq. ft.

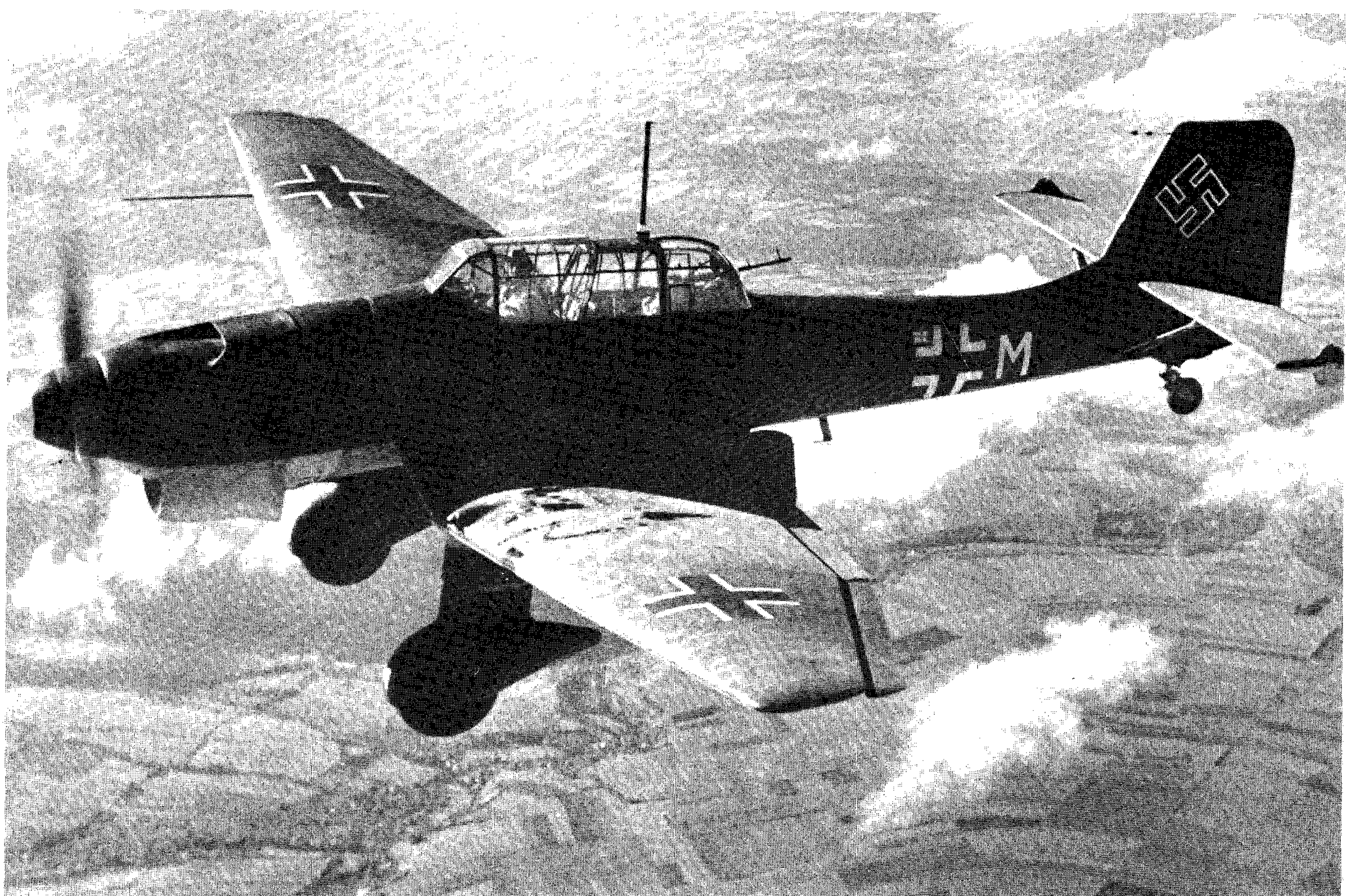
JUNKERS JU 87B-2



JU 87B-2 III. Gruppe Stuka Geschwader 2
"Immelmann" Eastern Front, Fall 1943
Pilot: Maj. Hans Ulrich Rudel







air scale

1