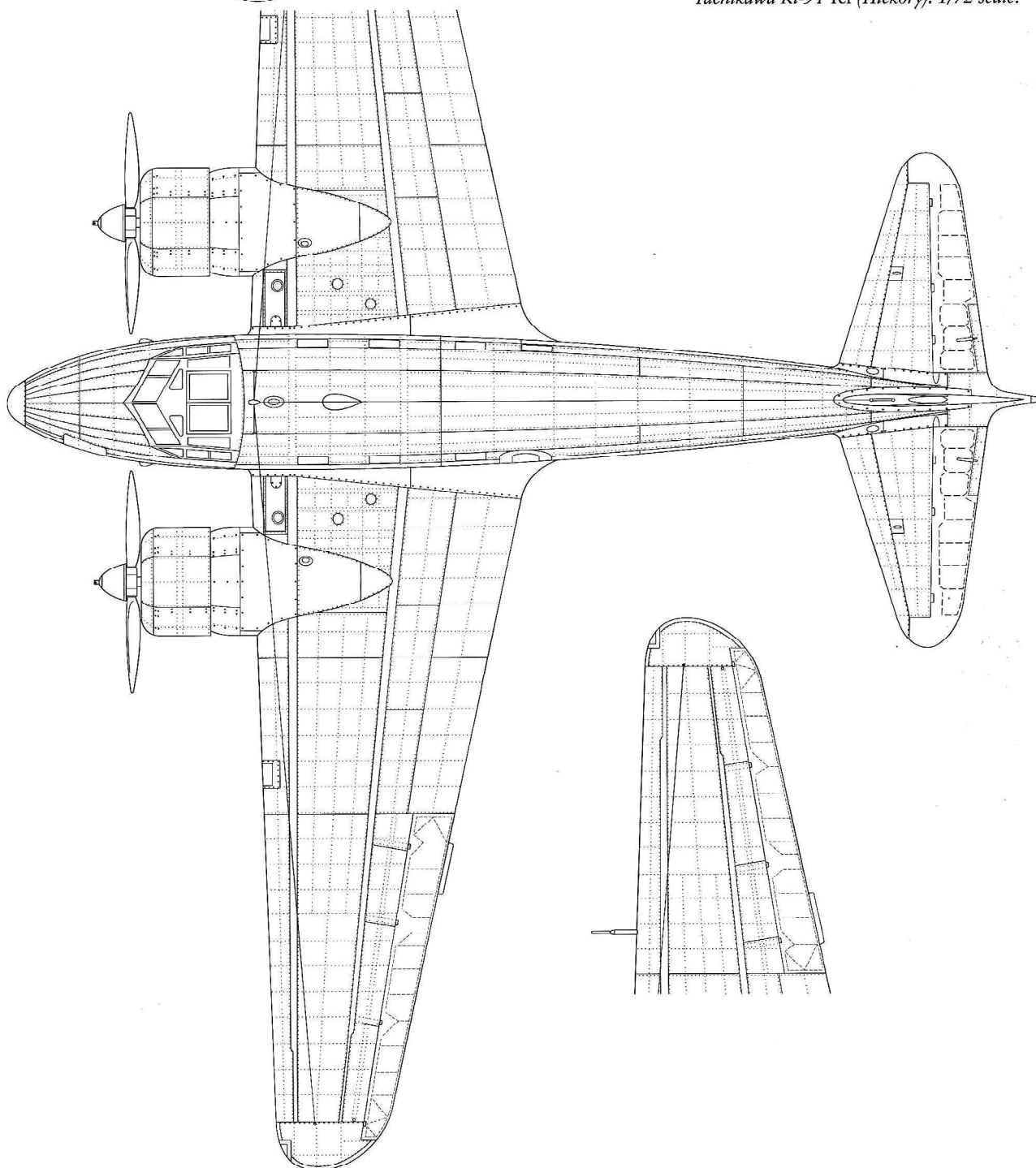
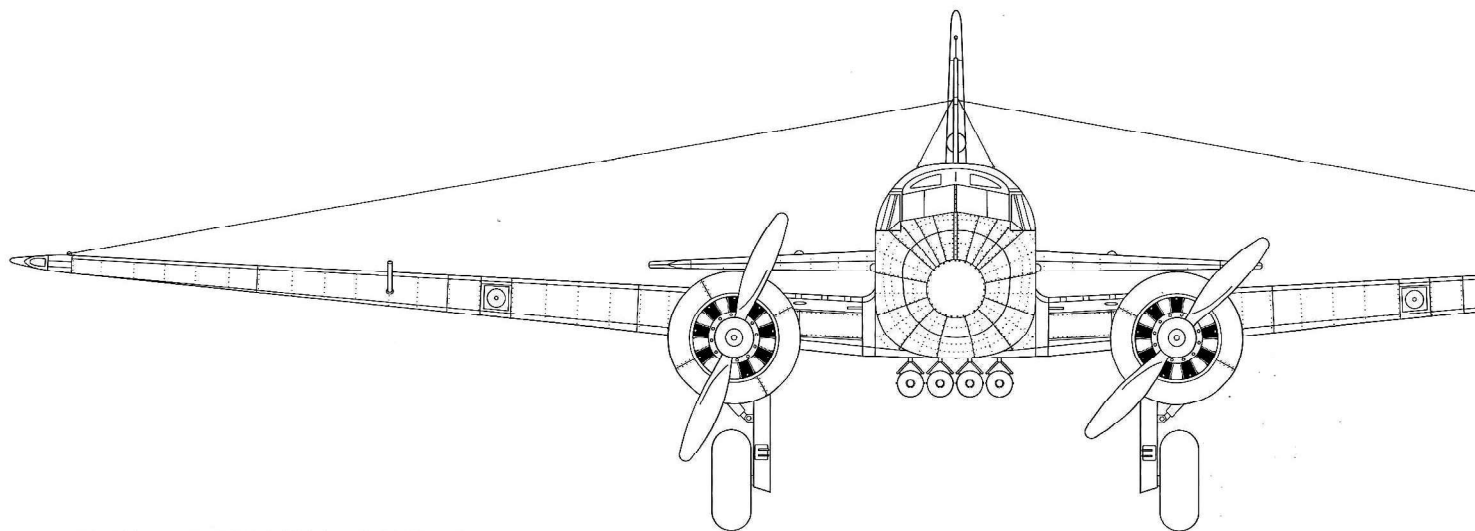
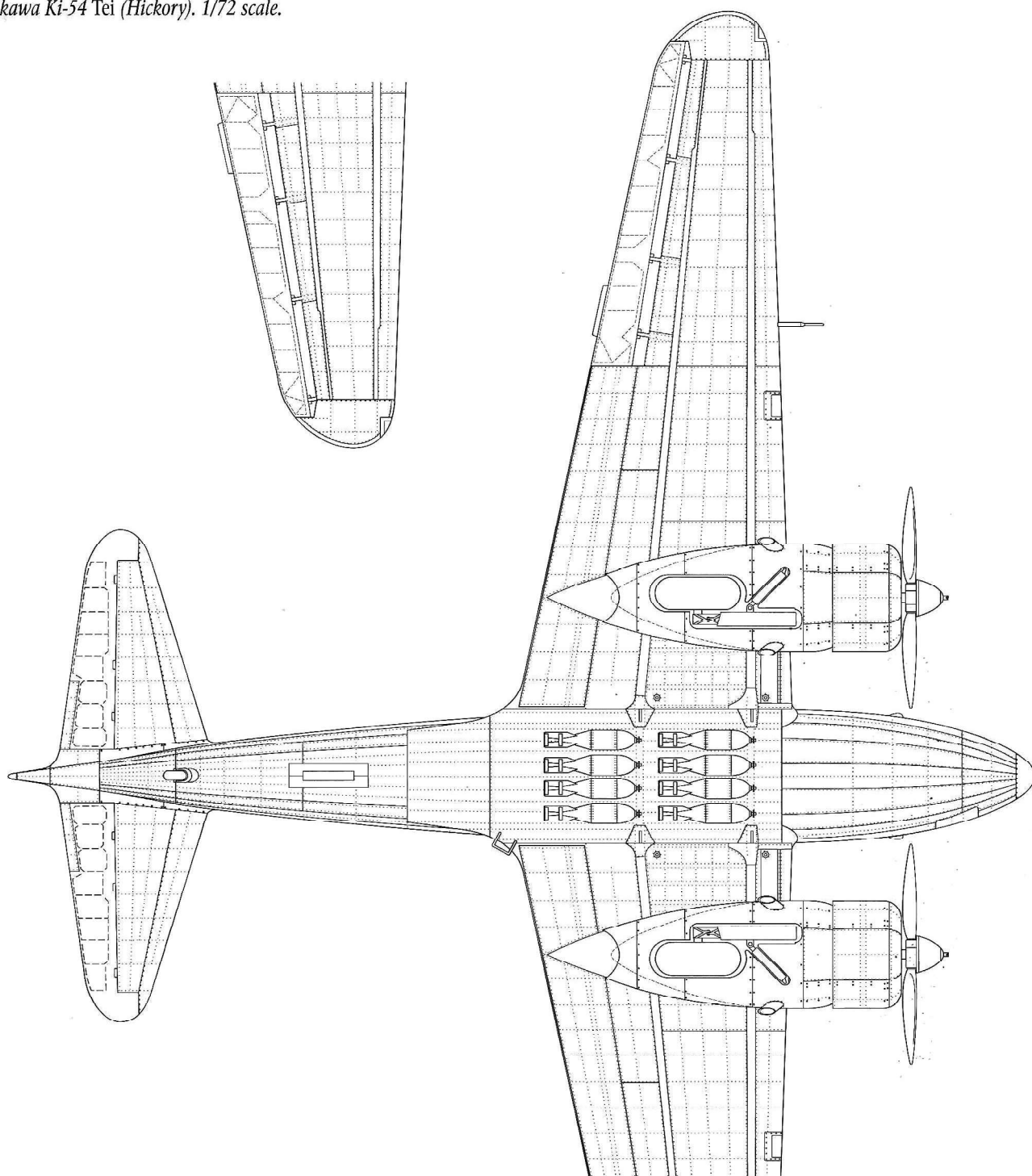


Tachikawa Ki-54 Tei (Hickory). 1/72 scale.





Tachikawa Ki-54 Tei (Hickory). 1/72 scale.



Technical data

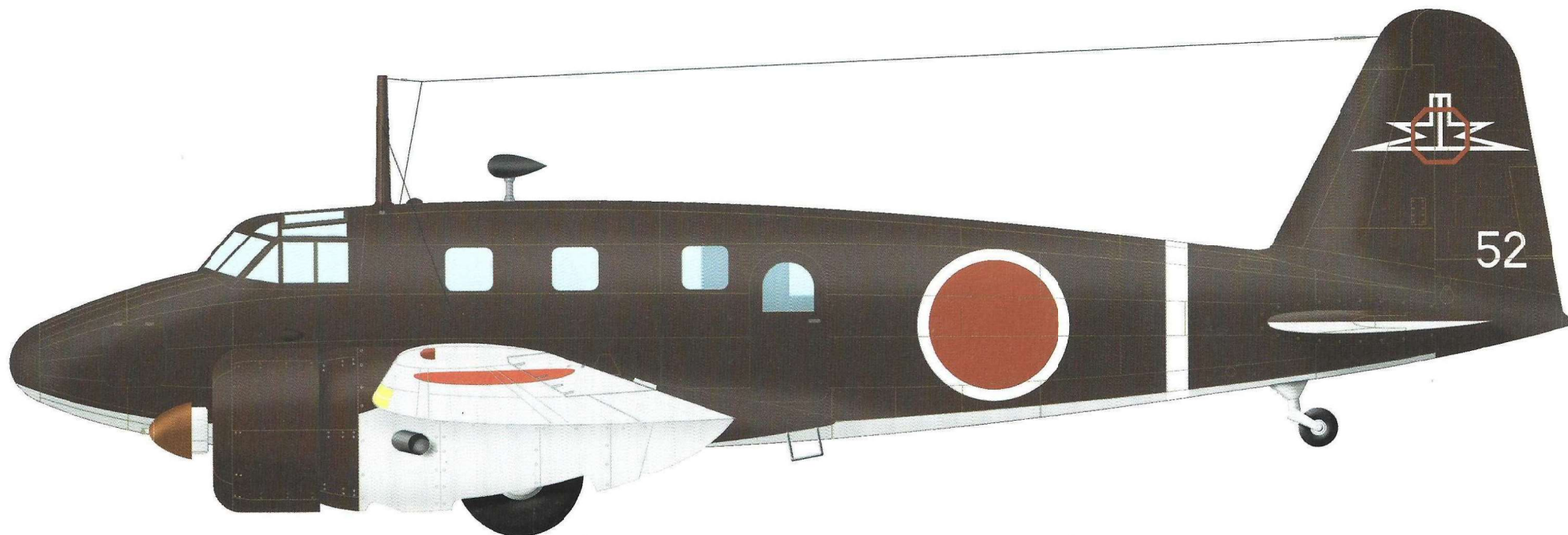
- **Description:** twin-engine low-wing cantilever monoplane, advanced trainer for bomber crews (Ki-54 *Ko* and Ki-54 *Otsu*), communication-transport aircraft (Ki-54 *Hei*), patrol aircraft (Ki-54 *Tei*). All metal structure with fabric covered ailerons and control surfaces.
- **Crew:** five/nine members (Ki-54 *Ko*, Ki-54 *Otsu* and Ki-54 *Tei*), two man crew with eight passengers or equivalent cargo (Ki-54 *Hei*).
- **Power plant:** two 9-cylinder air-cooled radial Hitachi Ha-13 *Ko* (Army Type 98) engines producing 515 hp (378 kW) at take-off and 470 hp (346 kW) at 1,500 m; two-blade metal propellers with variable pitch and 2.5 m diameter.
- **Armament:** four flexible Type 98 7.7 mm machine guns and 10 x 15 kg training bombs, 4 x 50 kg, 1 x 500 kg or 1 x 800 kg bomb (Ki-54 *Otsu*), eight 60 kg anti-submarine bombs (Ki-54 *Tei*).

Type	Ki-54 <i>Ko</i>	Ki-54 <i>Otsu</i>	Ki-54 <i>Hei</i>	Ki-54 <i>Tei</i>
Dimensions				
Wing span [m]	17.9	17.9	17.9	17.9
Length [m]	11.94	11.94	11.94	11.94
Height [m]	3.58	3.58	3.58	3.58
Wing area [m ²]	40.00	40.00	40.00	40.00
Weights				
Empty [kg]	2,954	3,120	2,953	2,984
Takeoff [kg]	3,897	4,080	3,837	4,020
Payload [kg]	943	960	884	1036
Wing loading [kg/m ²]	97.42	102.00	95.92	100.50
Power loading [kg/hp]	4.15	4.34	4.08	4.28
Performance				
Maximum speed at ,2000 m [km/h]	376	367	378	352
Cruising speed at ,2000 m [km/h]	240	240	240	240
Climb to 3,000 m in	9'47"	20'18" ¹	9'54"	10'12"
Ceiling [m]	7,180	5,910	7,100	7,000
Range [km]	960	960	900	940
Maximum range [km]	1,300	1,300	1,000	1,250
Take-off run [m]		364		
Landing run [m]		426		

¹ to 5,000 m

Production

Tachikawa Hikoki Kabushiki Gaisha in Tachikawa	
prototypes in 1940	7
Ki-54 and 1 Y-59 in 1941	100
Ki-54 in 1942	236
Ki-54 in 1943	386
Ki-54 and 2 Y-59 in 1944	498
Ki-54 and 23 Y-59 in 1945	115
Total	1,368

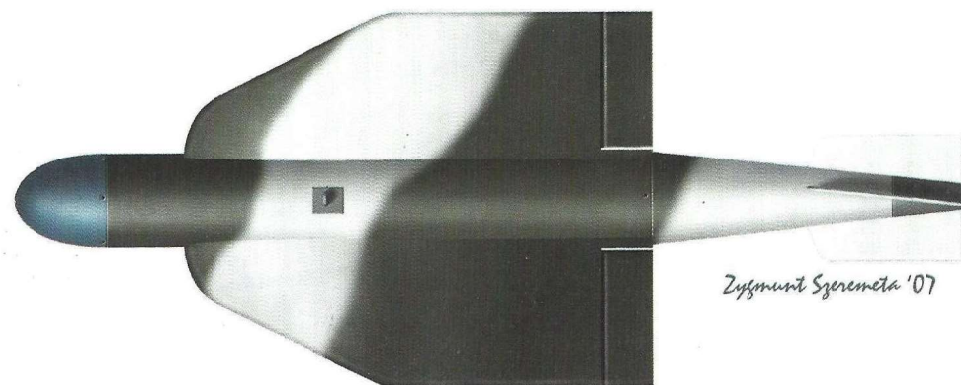


Tachikawa Ki-54 Tei of Hokushin Hikotai. This unit was in June 1945 stationed at the air base in Tenner on Iturup Island (Itouroup), Kuril Islands.



Aerial anti-submarine torpedo Kurai 7-Go

Zygmunt Szyremeta '07



Zygmunt Szyremeta '07