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TECHNICAL AIR INTELLIGENCE CENTER

SUMMARY #30

RECOGNITION OF UNIDENTIFIED JAPANESE AIRCRAFT AND NEW CODE NAMES

Issued in the Division of Naval Intelligence
By
Combined Personnel of United States and British Services
for the Use of Allied Forces

TECHNICAL AIR INTELLIGENCE CENTER
NAVAL AIR STATION ANACOSTIA D C

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RECOGNITION OF UNIDENTIFIED JAPANESE AIRCRAFT

Following on Summary No. 27 of April, a further 6 "silhouettes in depth" are now given.

In Part 2, outlines are also given for the following nine newly coded aircraft:-

<u>Recco</u>	LORNA	("Tokai")
	STELLA	(Ki 76)
<u>Gliders</u>	BUZZARD	(Ku 7 ?)
	GOOSE	(Ku 8)
<u>Trainers</u>	CYPRESS	(Ki 86)
	HICKORY	(Ki 54)
	PINE	(Type 90)
	SPRUCE	(Ki 6)
	WILLOW	(Type 93)

PART ONE

NO. 10

MAGWE FIELD 52

This twin-boom aircraft, with almost pointed wings, was observed in a revetment and first taken for a dummy. A recent very indistinct combat photo, however, makes it worthwhile publishing a "silhouette in depth" as a possibility for one of the "twin-boom" types of fighters reported intercepting B-29 missions.



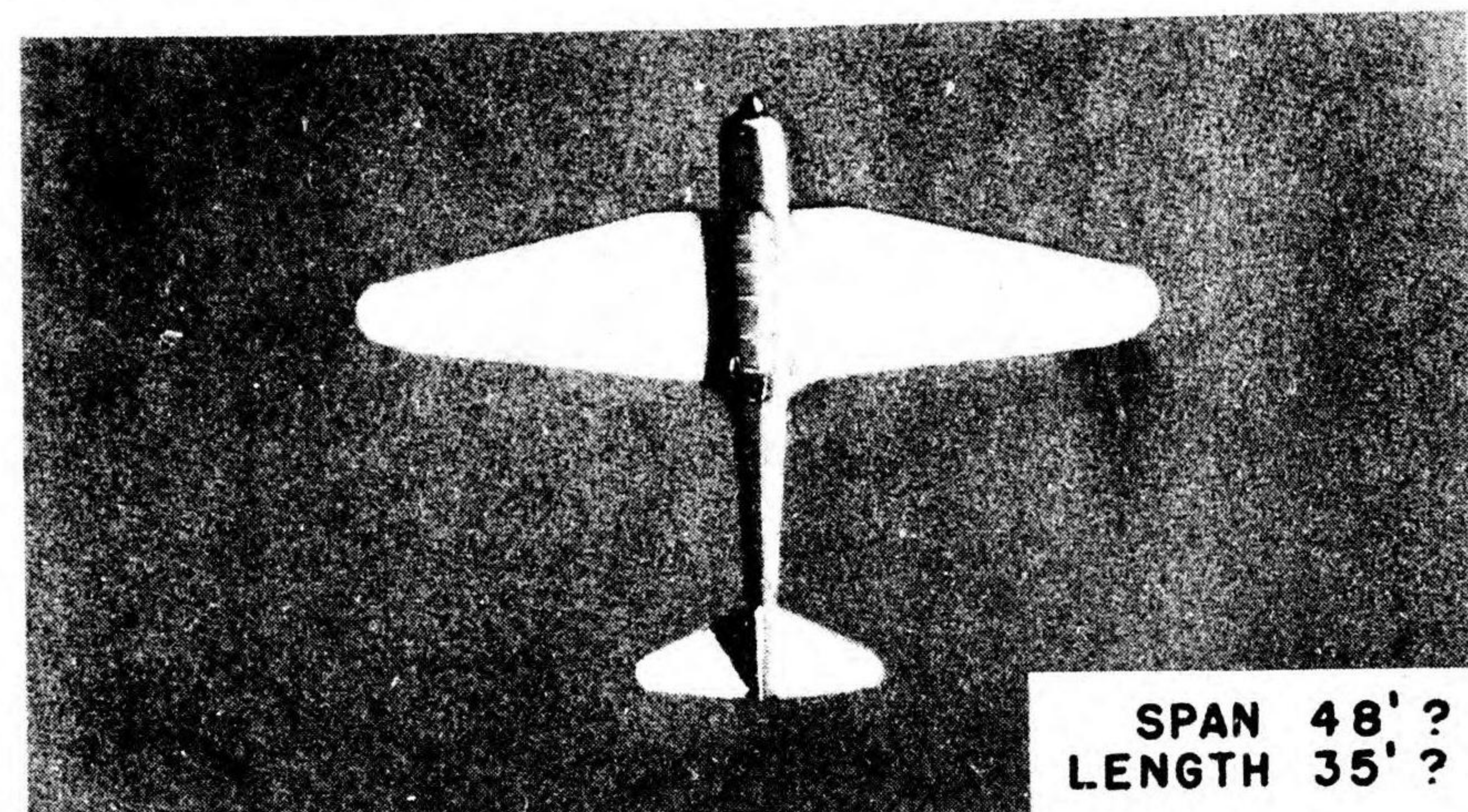
Fig. 10

SUPPOSITION: There is a possibility that this can be tentatively linked with "Ki 102".

NO. 11

TACHIKAWA FIELD 48

Reminiscent of IDA, but with a span of 48 feet. It is now accepted that IDA has a span of from between the 38.7', reported in Japanese documents, to the 39.3' originally reported in ACSEA crash inspections.



SPAN 48' ?
LENGTH 35' ?

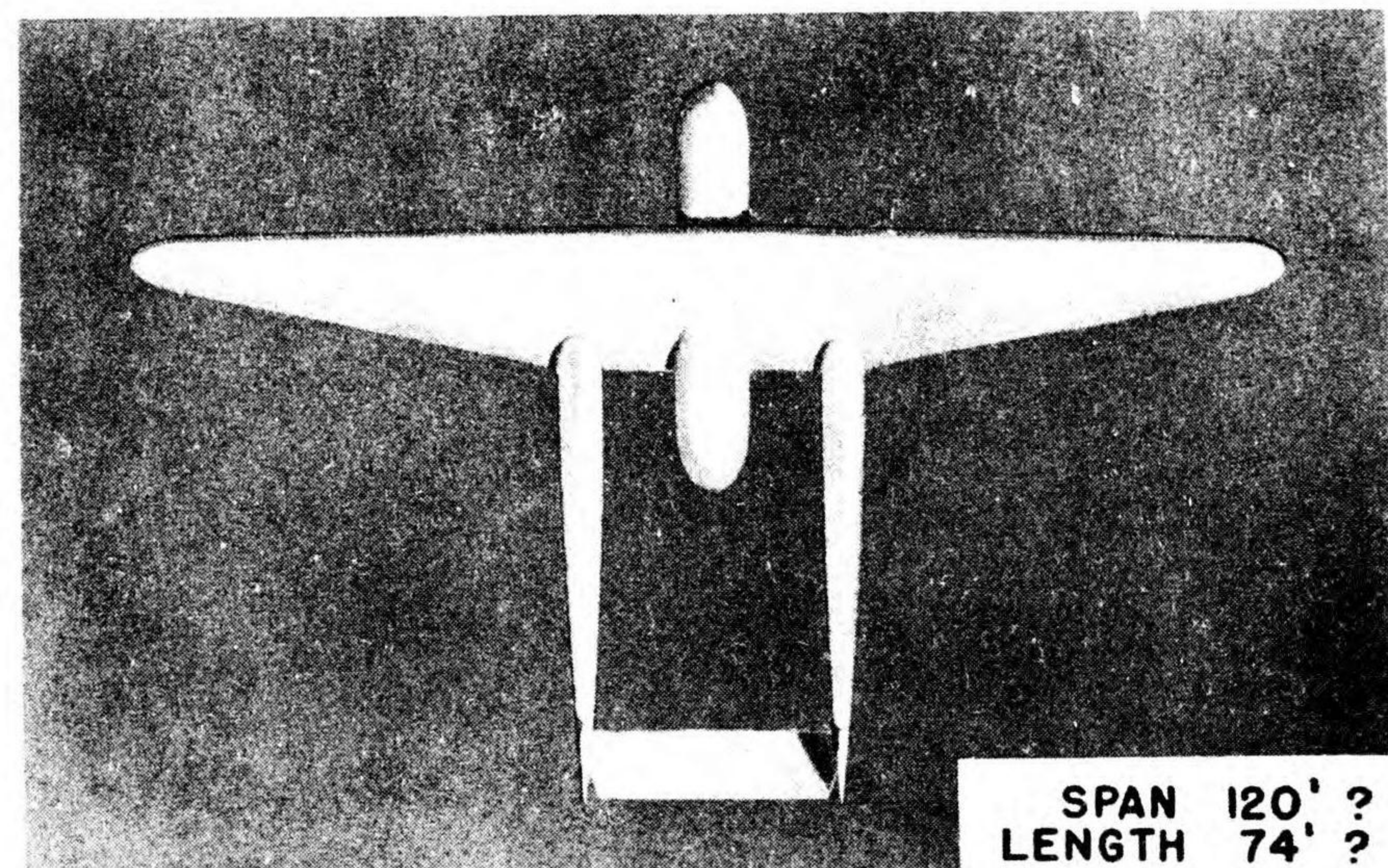
Fig. 11

SUPPOSITION: The only tie-up with a new aircraft might be with Ki 72. Alternatively, it may be the obsolete Ki 30 ANN.

NO. 12

OGURA FIELD 120 CODE NAME BUZZARD

Appears to be a large, twin-boom glider, distinct from the much smaller Husien Field 68 previously published under item 9 (TAIC Summary 27).



SPAN 120' ?
LENGTH 74' ?

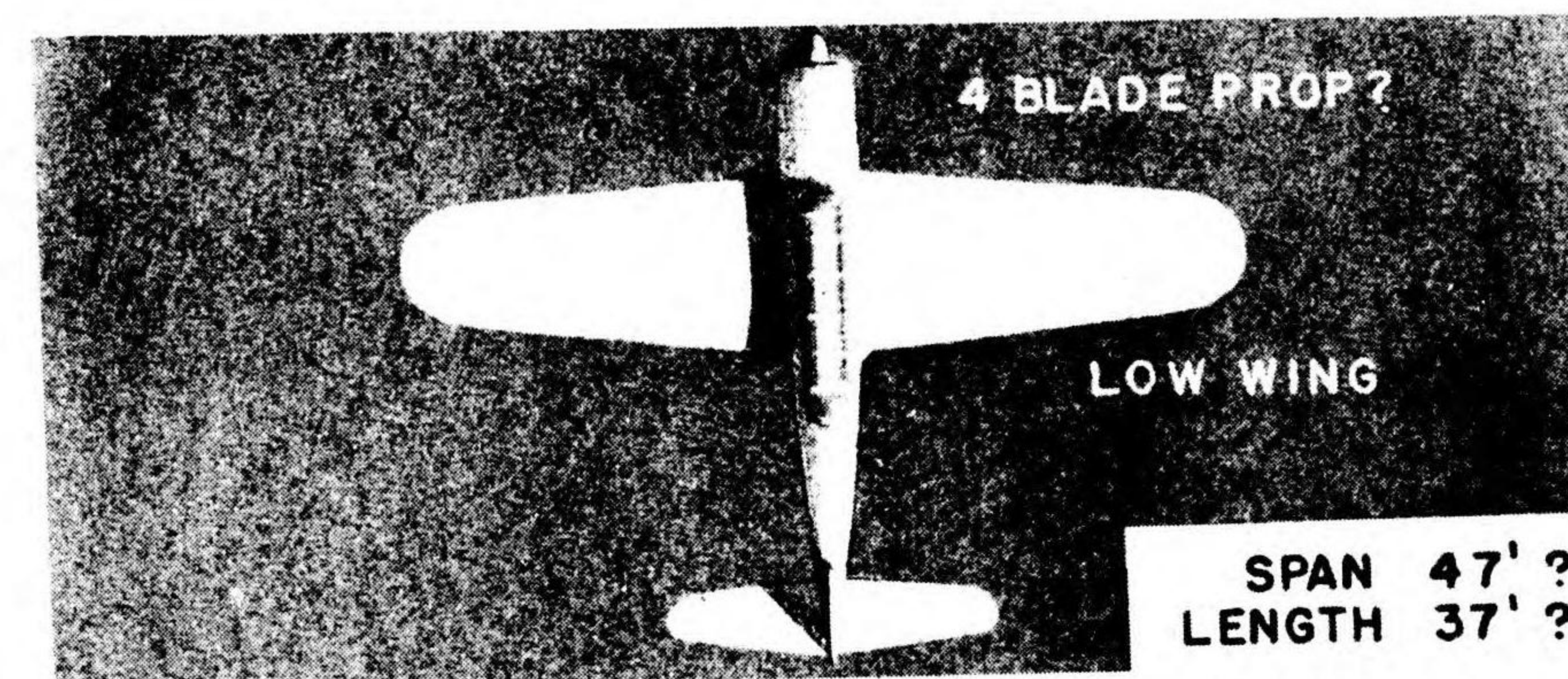
Fig. 12

SUPPOSITION: It has been assumed that this is possibly the "Ku 7" built by Nippon Kokusai, and alleged to be capable of a "70-ton load" (7 ton?). In accordance with the policy to give bird code-names to gliders, BUZZARD has been allocated to this "silhouette in depth".

NO. 13

OKAYAMA FIELD 47

Span may be nearer to 49 feet with square rounded wing tips.



4 BLADE PROP ?

LOW WING

SPAN 47' ?
LENGTH 37' ?

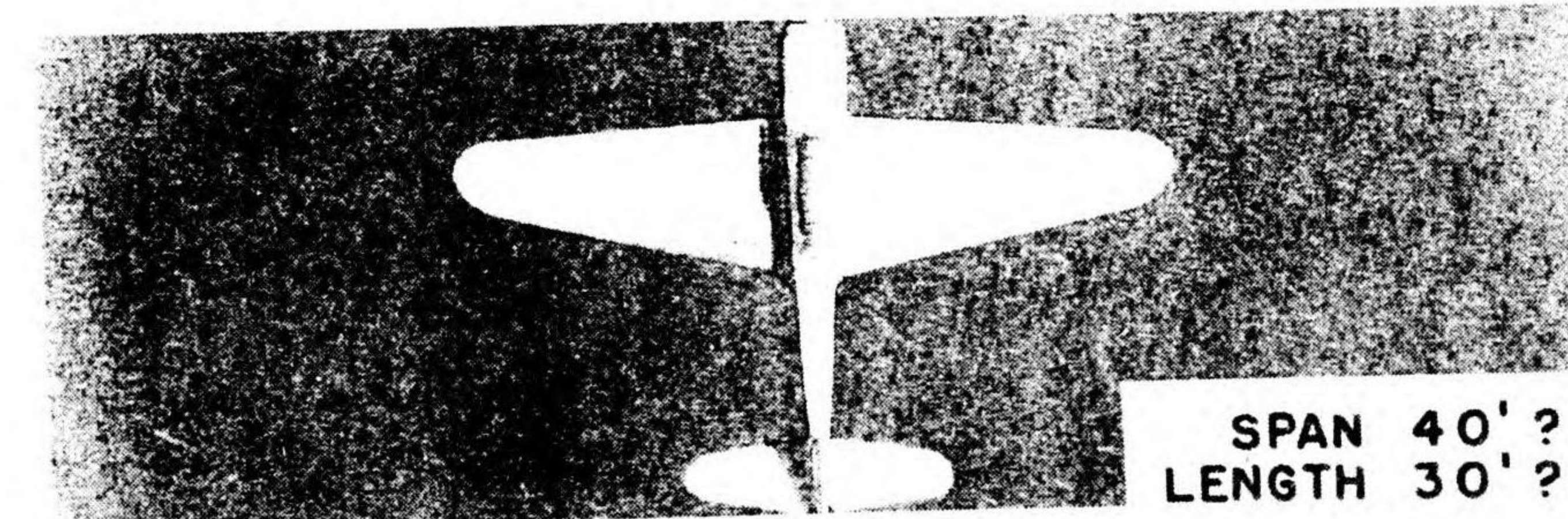
Fig. 13

SUPPOSITION: None made to date.

NO. 14

TOKOROZAWA FIELD 40

Seen at an Army base, low wing with slight taper on leading edge, sharp taper on trailing edge, long chord at root, short chord at tip, long cowling.



SPAN 40' ?
LENGTH 30' ?

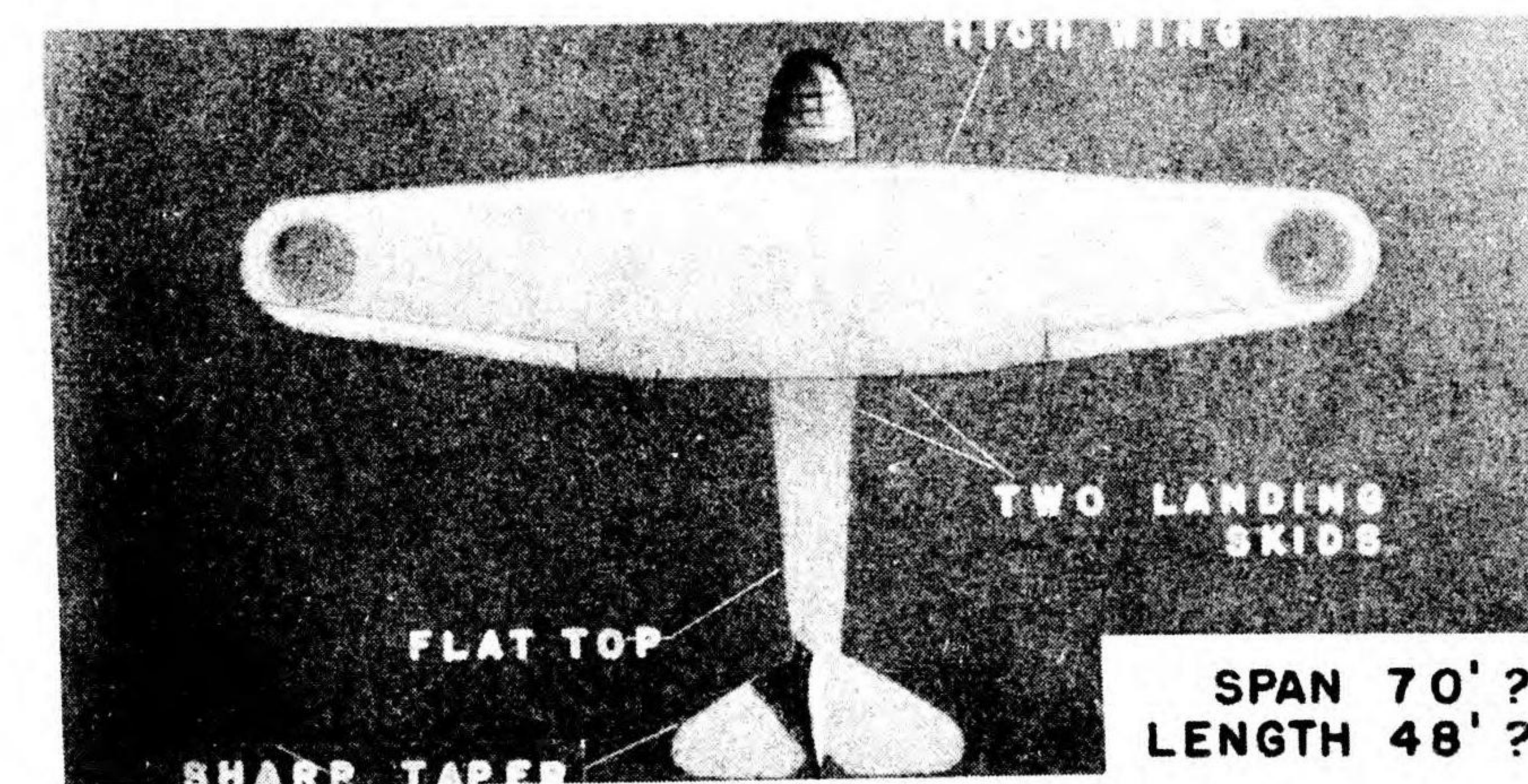
Fig. 14

SUPPOSITION: None made to date.

NO. 15

MATSUYAMA FIELD 70

High wing, perhaps parasol, a long chord line, blunt nose, flat fuselage and TABBY-like tailplane. Letters "JDAAE" painted right across top of wings.



HIGH WING

TWO LANDING SKIDS

FLAT TOP

SPAN 70' ?
LENGTH 48' ?

Fig. 15

SUPPOSITION: Probably a glider.

OPPAMA FIELD 51

Reference item No. 5 previously published in TAIC Summary 27, this aircraft continues to be observed, 45 in China being the latest sighting.

A 20th Bomber Command report on 3/2/45 describes an intercepting aircraft as follows:-

"----- had a thick, round, tapered fuselage, retractable landing gear, radial engine and severely swept back wings, the fuselage tapered sharply to a pointed tail".

The above could fit the silhouette in depth in Fig. 4, but the possibility of it being a trainer must still be borne in mind, as it has generally been seen at Training Fields.

THELMA & THALIA

Confusion has arisen in the past as to the dimensions of THELMA, some descriptions having taken the "Lockheed 14", and others the "18" as their source.

In future, therefore, THELMA is to be the original Lockheed 14 "Electra", known by the Japanese as "Ro", with 65.49 ft. span and 44.32 ft. length.

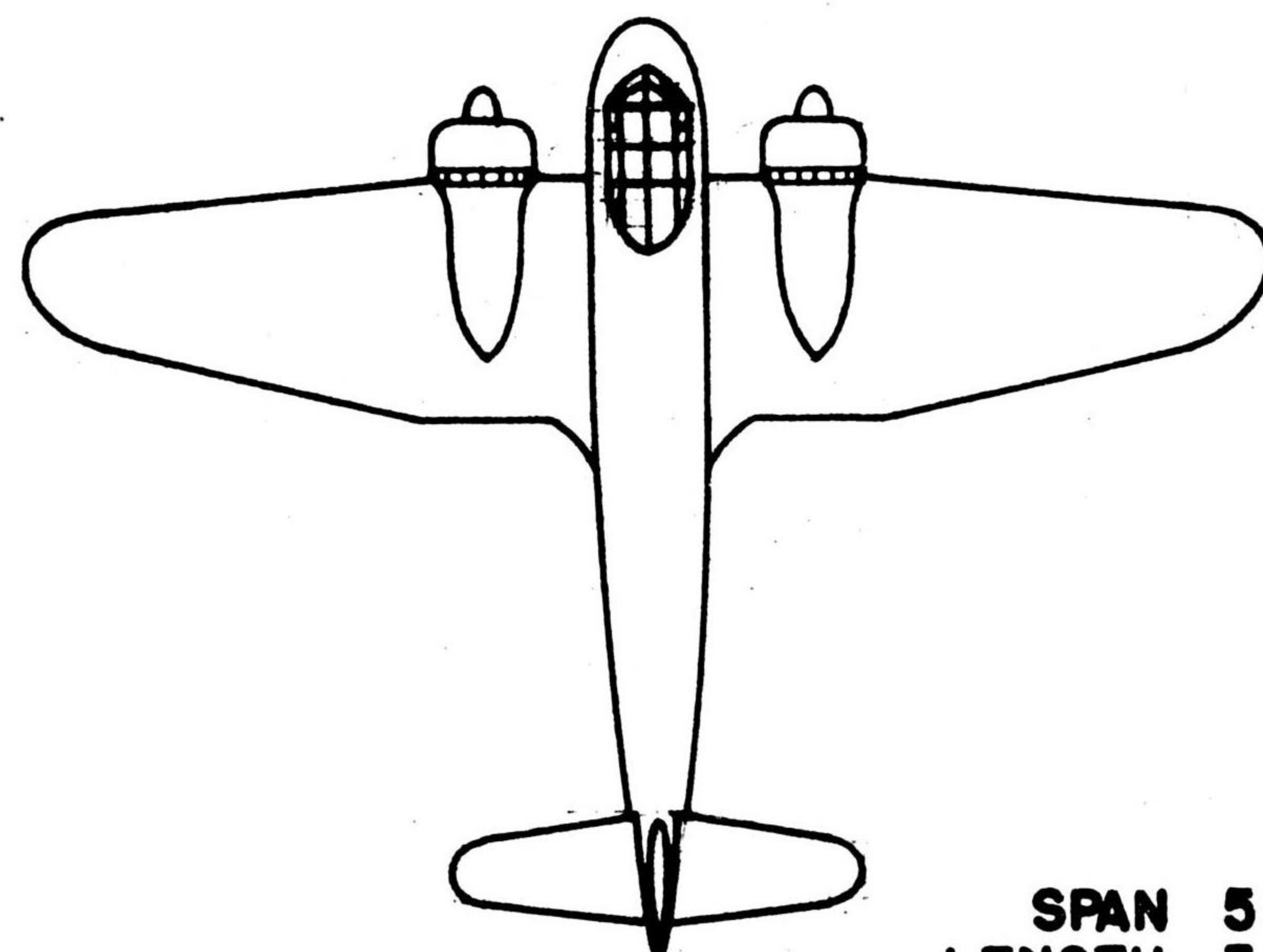
THALIA will be the later design, Lockheed 18 "Lodestar", known by the Japanese as "Ki 56", with 65.38 ft. span and 48.88 ft. length.

PART TWO

NEWLY CODED JAPANESE AIRCRAFT

LORNA

2-E "17 Experimental Patrol Plane", "Tokai", Navy Q1W1, Span 52.5', length 39.4' see TAIC Summary 17.

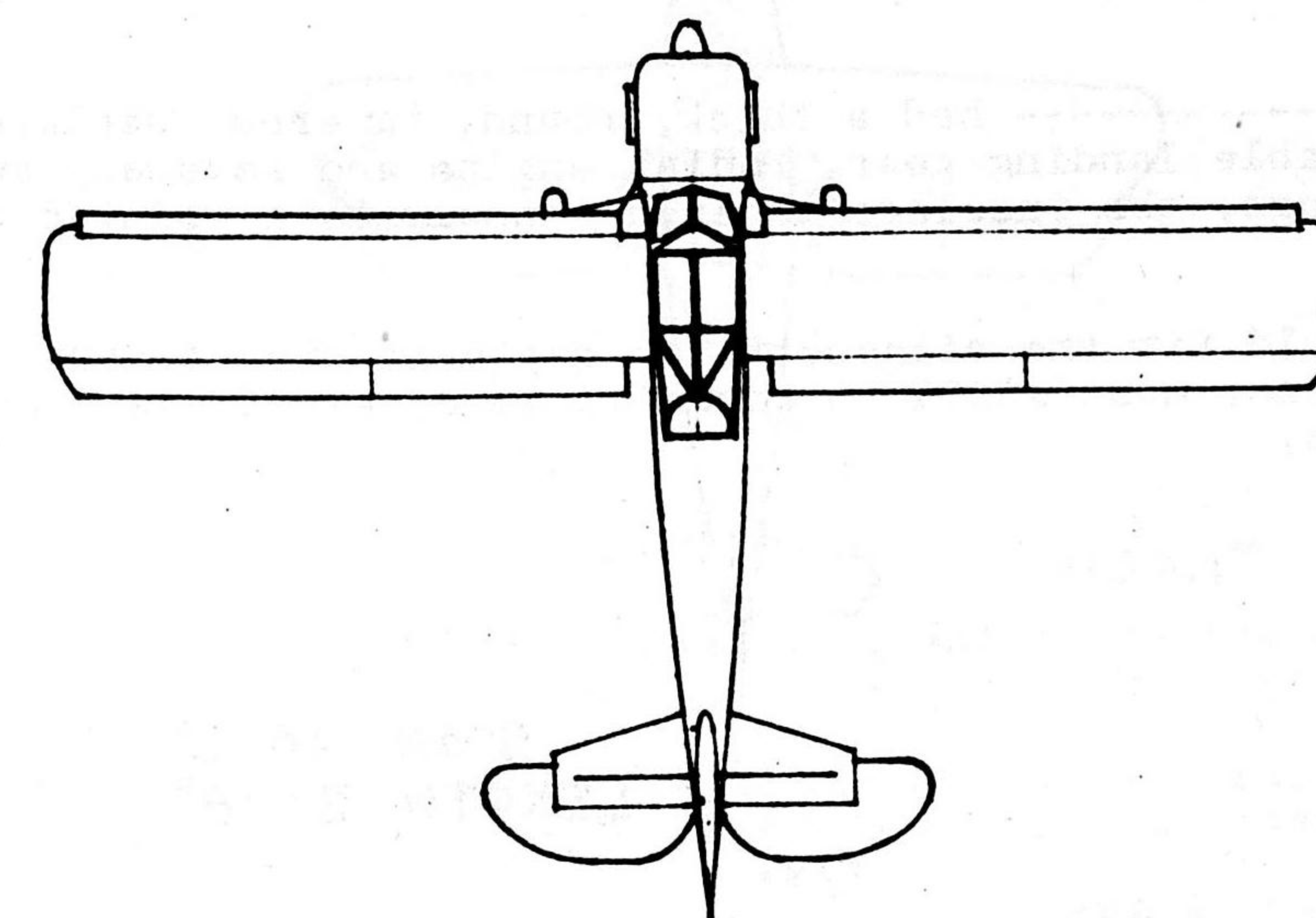


SPAN 52.5'
LENGTH 39.4'

Fig. A

STELLA

S-E "Type 2 Liaison Plane" Army Ki 76. A "Grasshopper" type of aircraft, based upon the German Fieseler "Storch".



SPAN 49'-2"
LENGTH 31'-5"

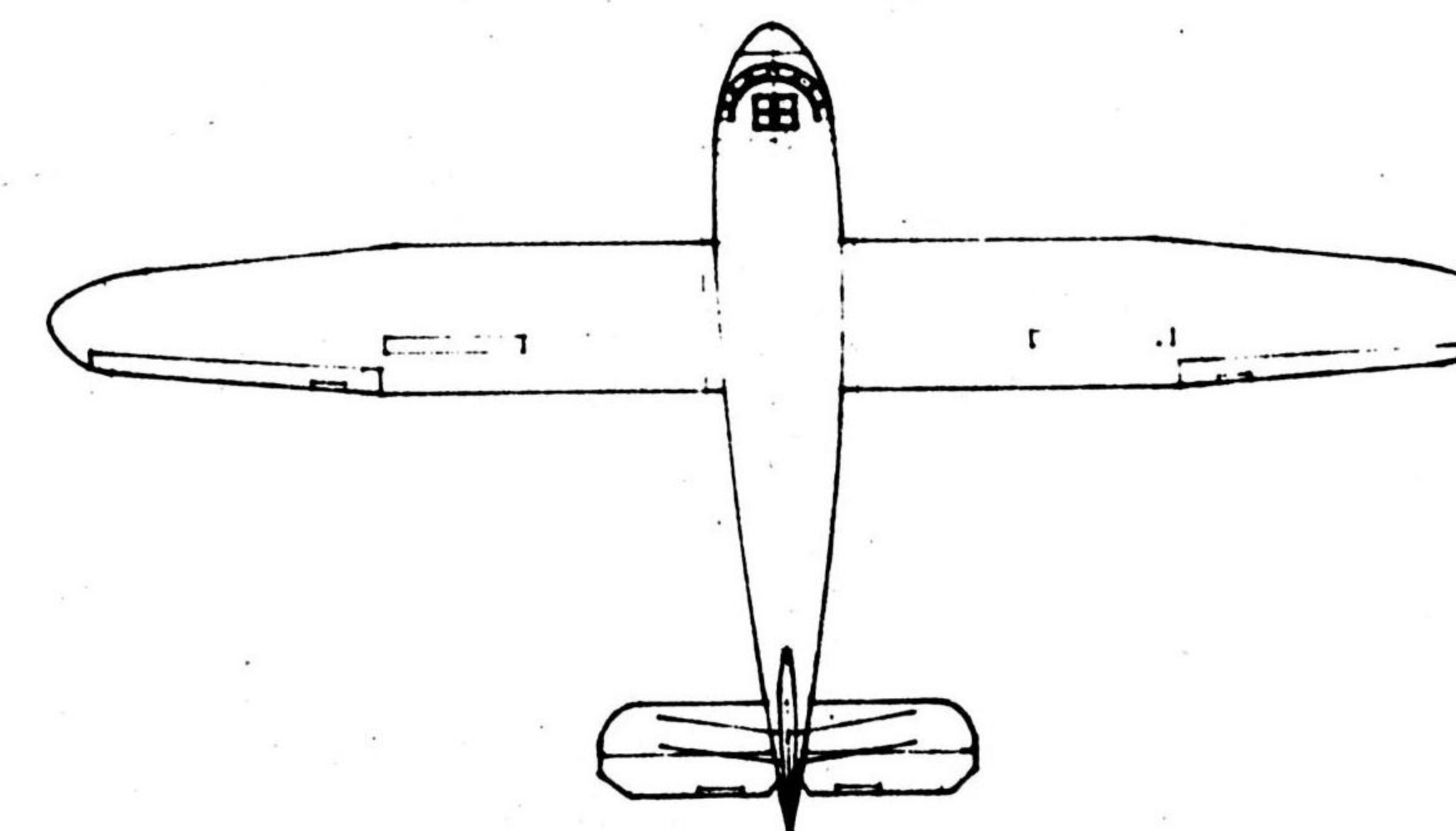
Fig. B

BUZZARD

Twin-boom glider Army Ku 7 ?. See Part 1, Item 12.

GOOSE

Glider Army "Ku 8". Span 76.1, length 43.6'.

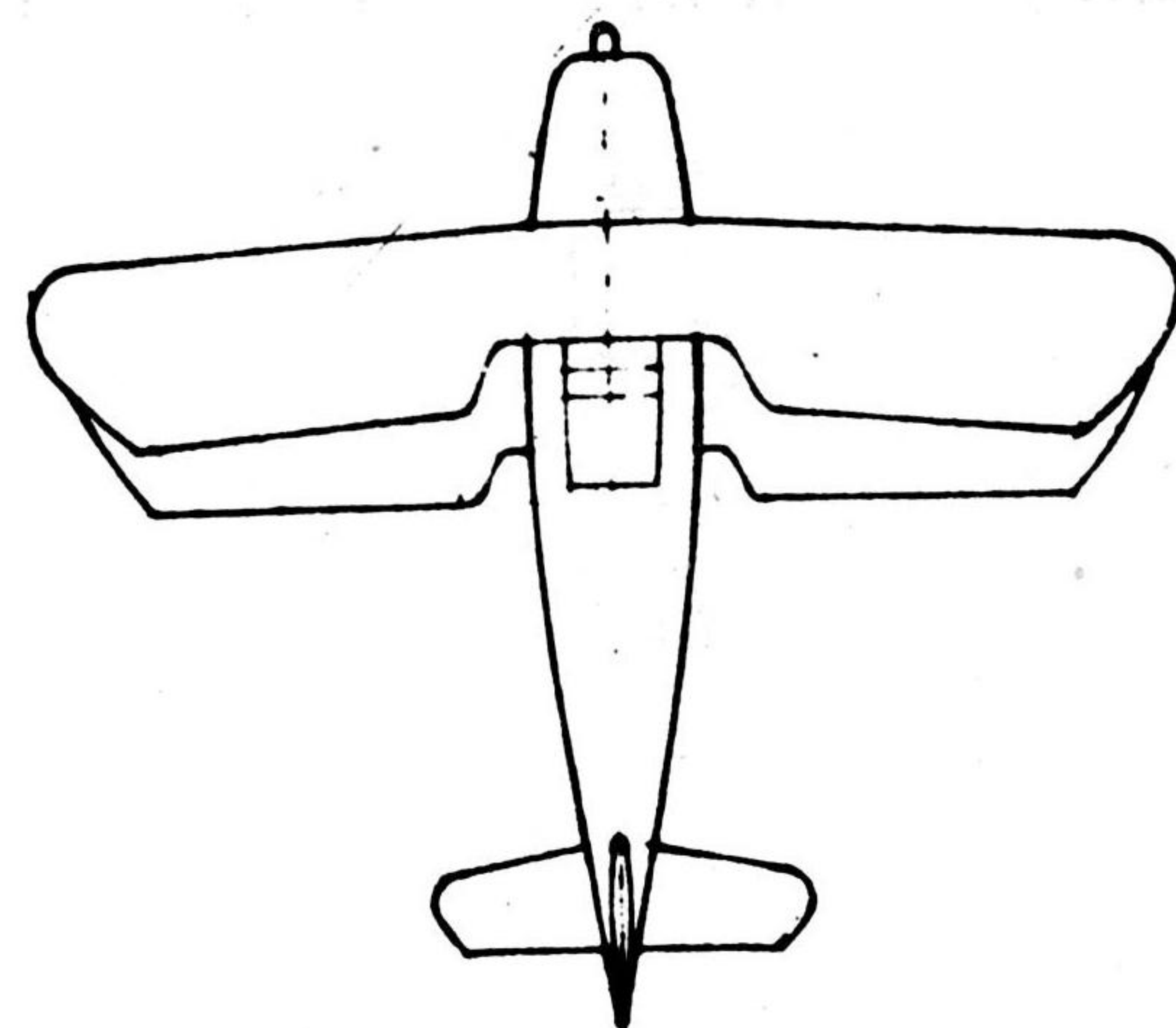


SPAN 76'-0 $\frac{3}{4}$ "
LENGTH 43'-8 $\frac{1}{4}$ "

Fig. C

CYPRESS

SE "Blicker Jungmann Biplane" - Army Ki 86, Navy KXB1. Span 24 ft. 3 in., length 21 ft. 8 in.

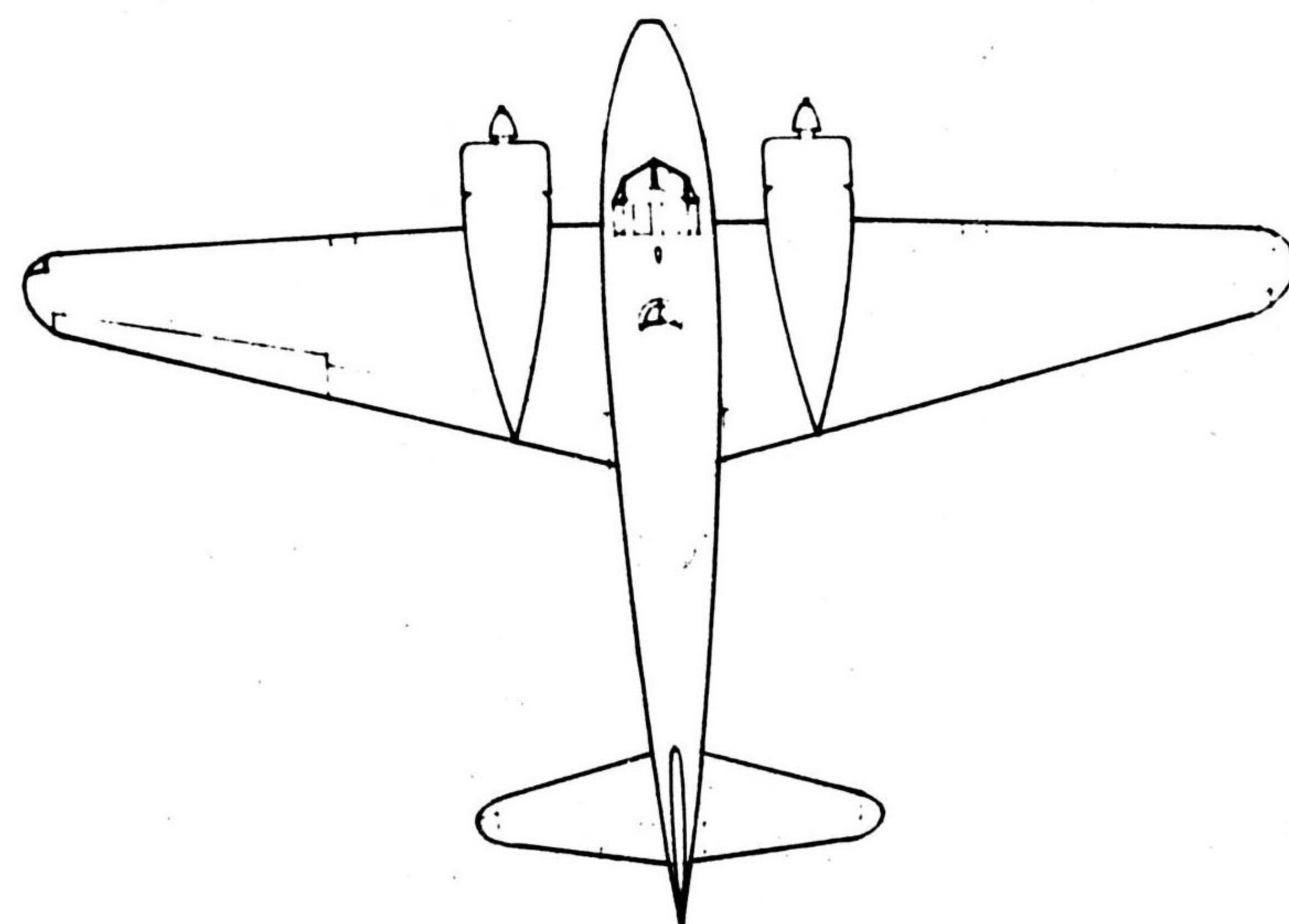


SPAN 24'-3"
LENGTH 21'-8"

Fig. D

HICKORY

SE "Type 1 Advanced" - Army Ki 54. Span 59 ft. 10 in., length approx. 41 ft.

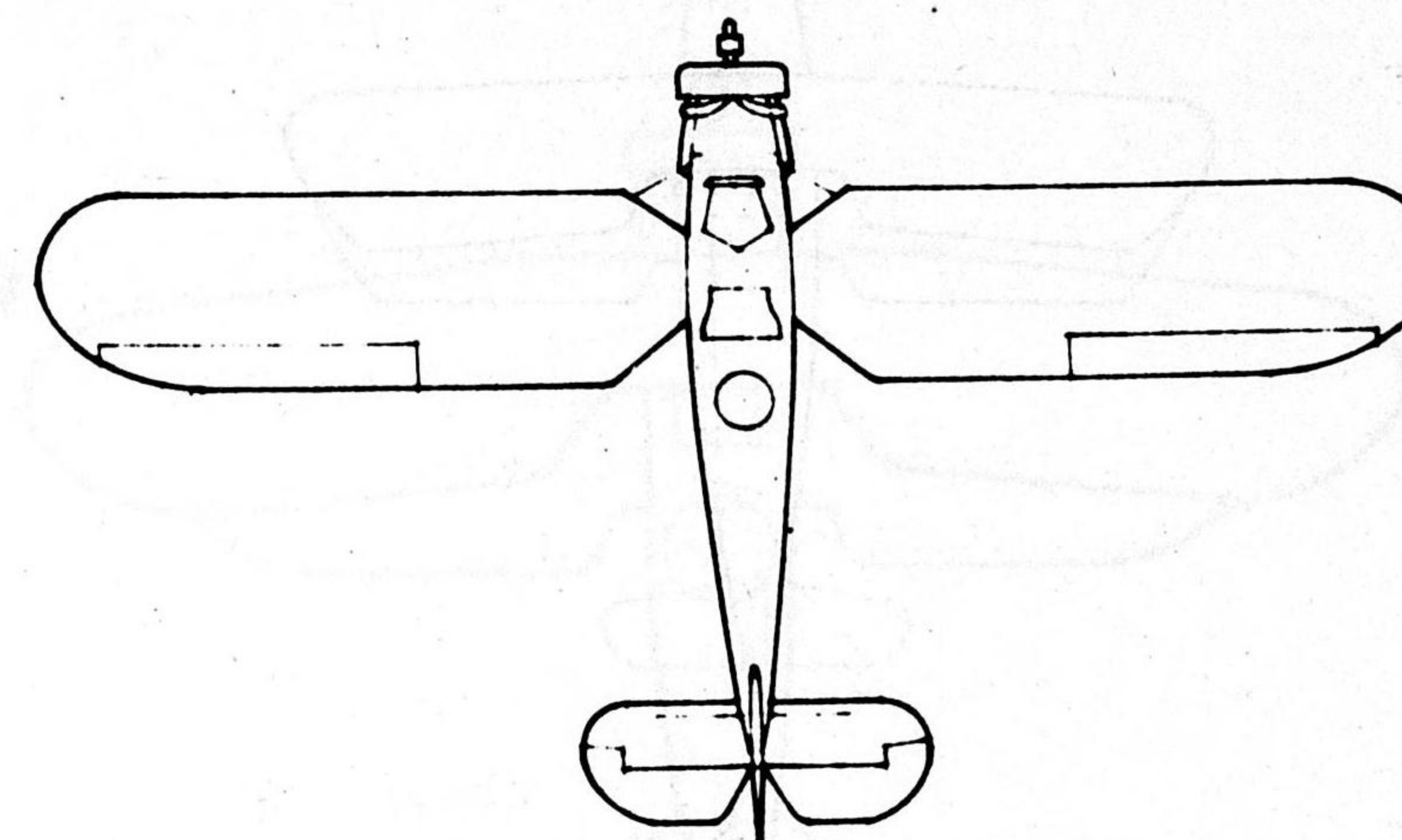


SPAN 59'-10"
LENGTH 41'-0"

Fig. E

PINE

SE Navy "Type 90 Model 2 Land Advanced". Span 51 ft. 10 in., length 31 ft. 4 in., this aircraft evolved from the Dutch designed Fokker "Universal".

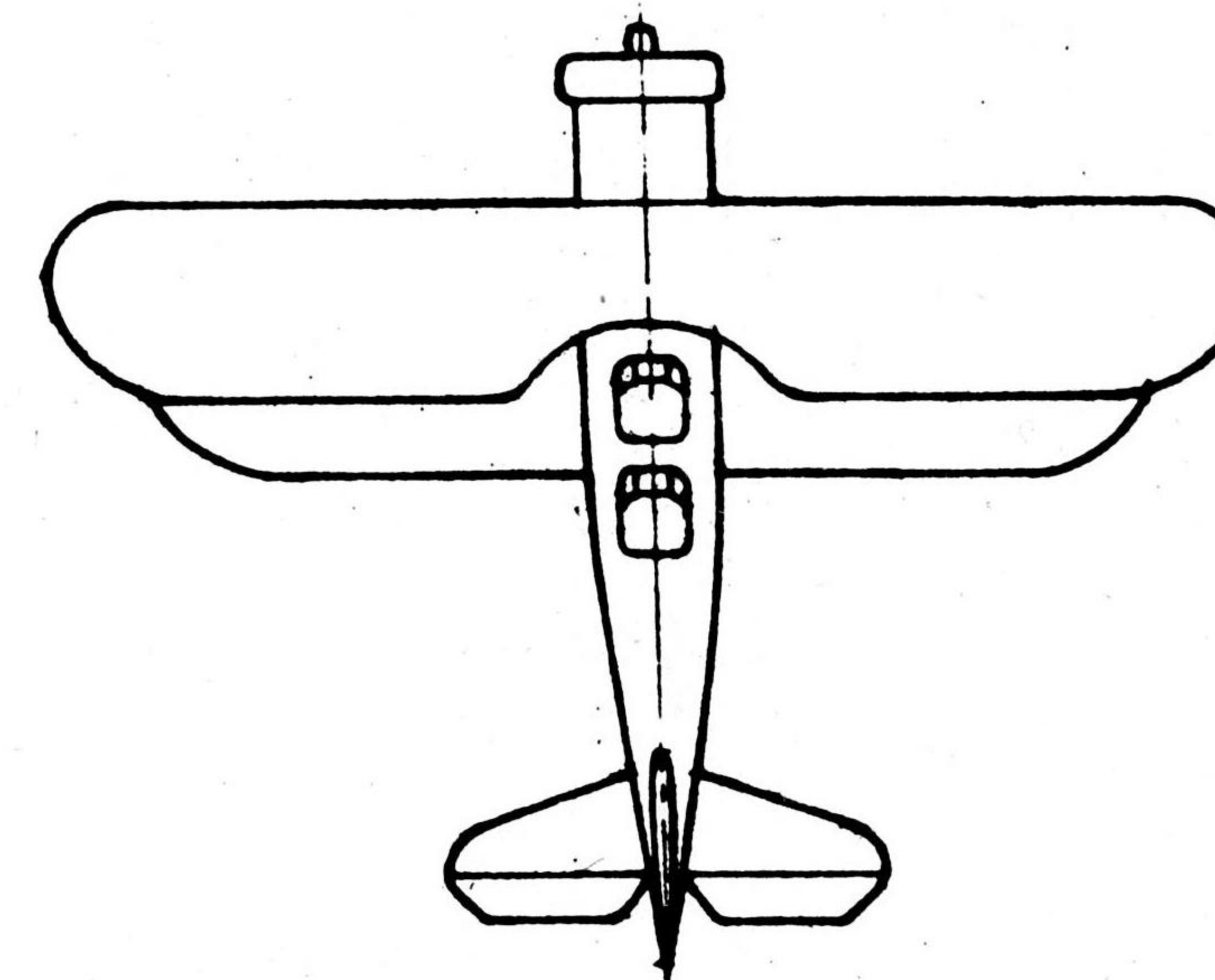


SPAN 51'-10"
LENGTH 31'-4"

Fig. F

SPRUCE

SE "Type 95 Model 1" biplane, Army Ki 9. Span 32 ft. 9½ in., length 26 ft. 3 in.

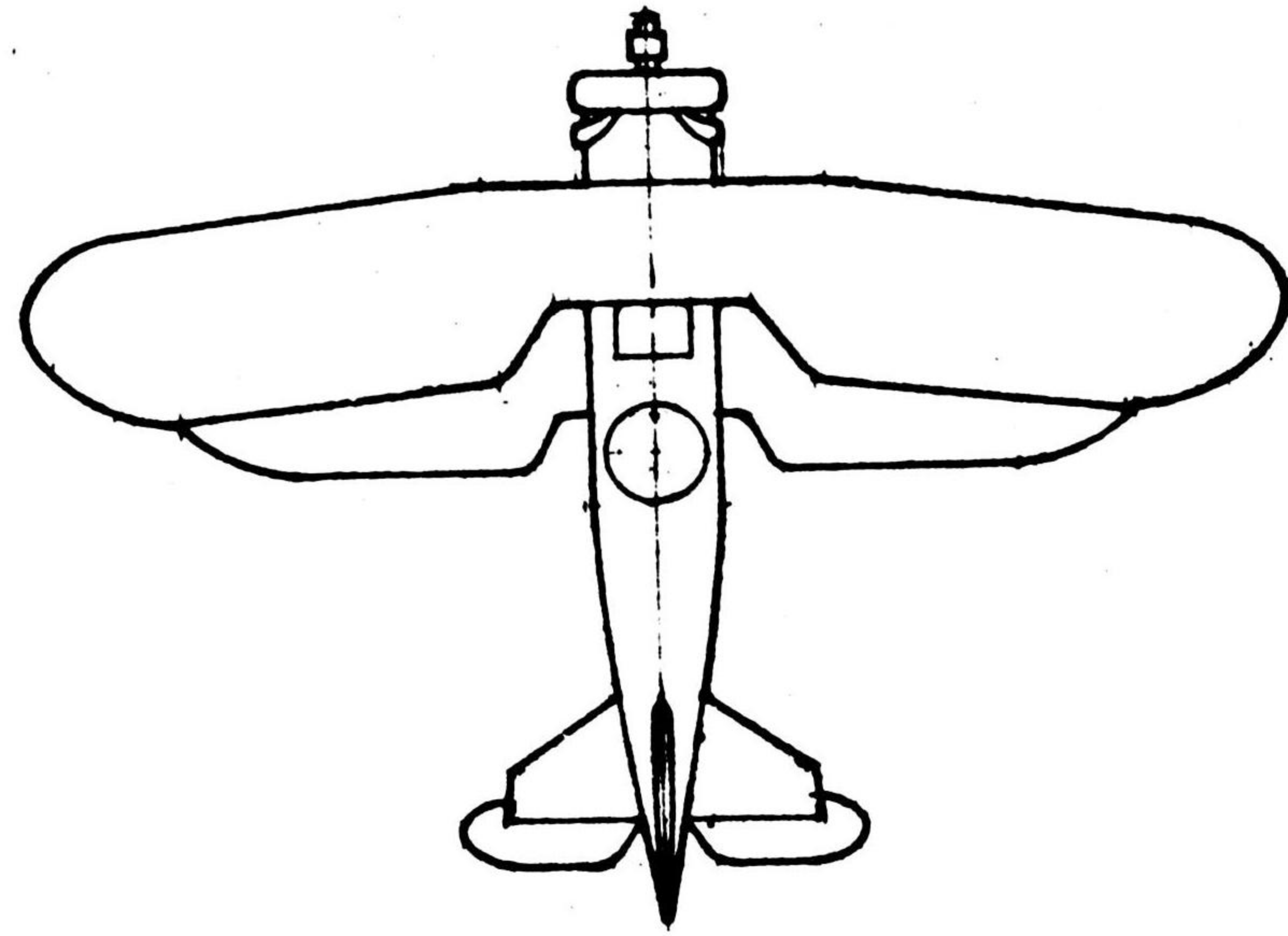


SPAN 32'-9½"
LENGTH 26'-3½"

Fig. G

WILLOW

SE "Type 93 Land Intermediate" Biplane, Navy K5Y1. Span 36 ft. 1 in., length 26 ft. 5 in. Also float plane version, with a length of 28 ft. 10 in.



SPAN 36'-0"
LENGTH 26'-5"

Fig. H

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