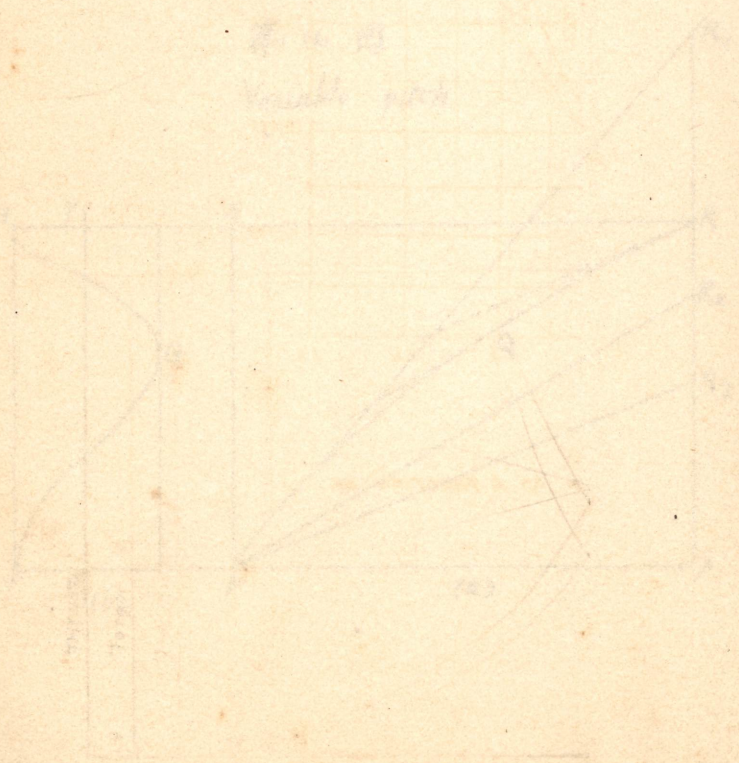
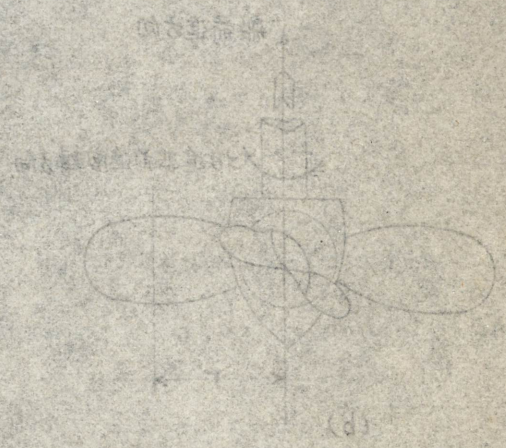
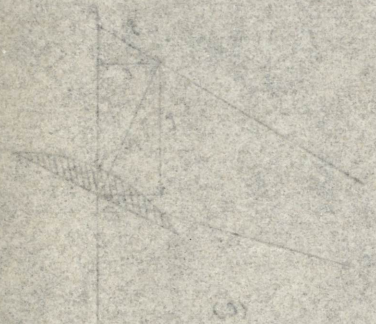
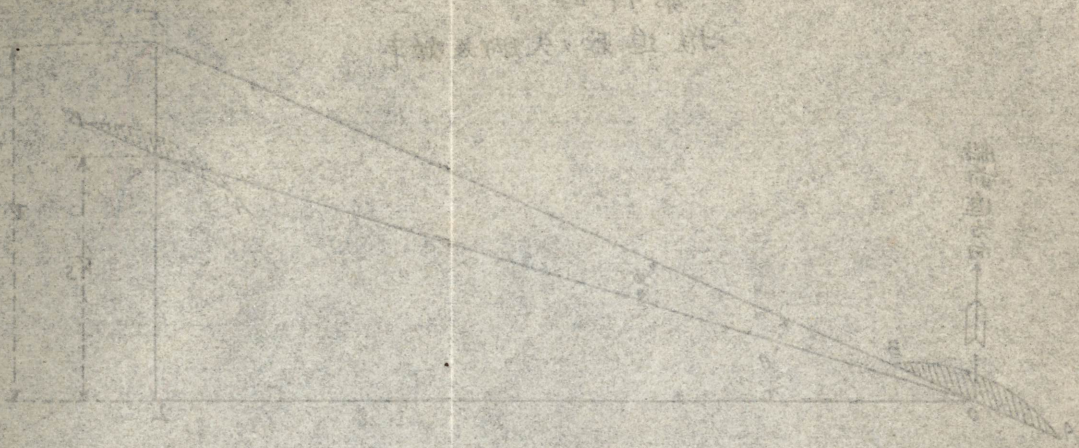
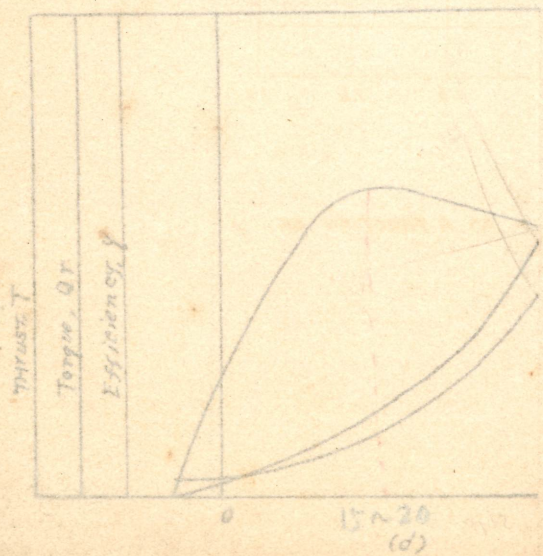
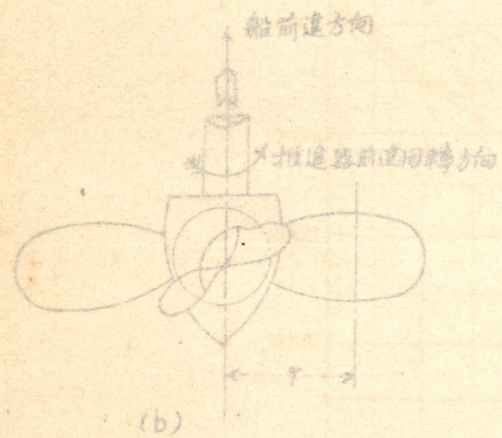
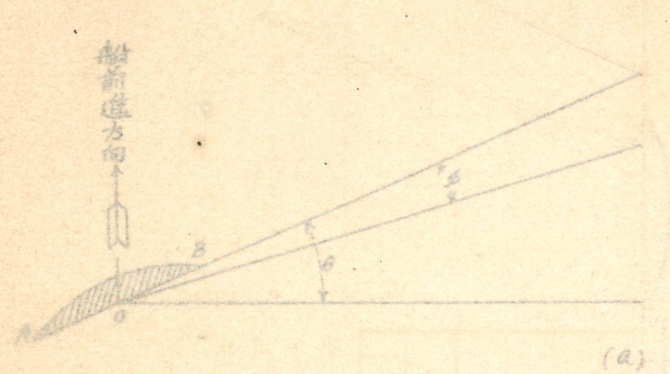


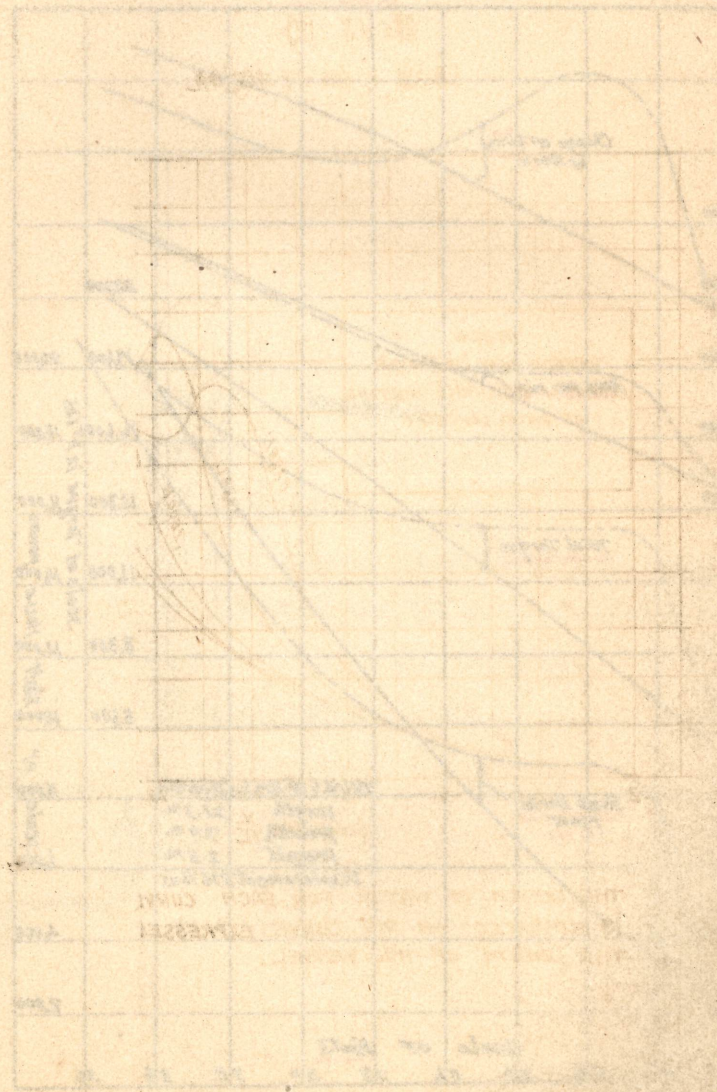
圖 11 卷
手繪及繪大、張畫紙



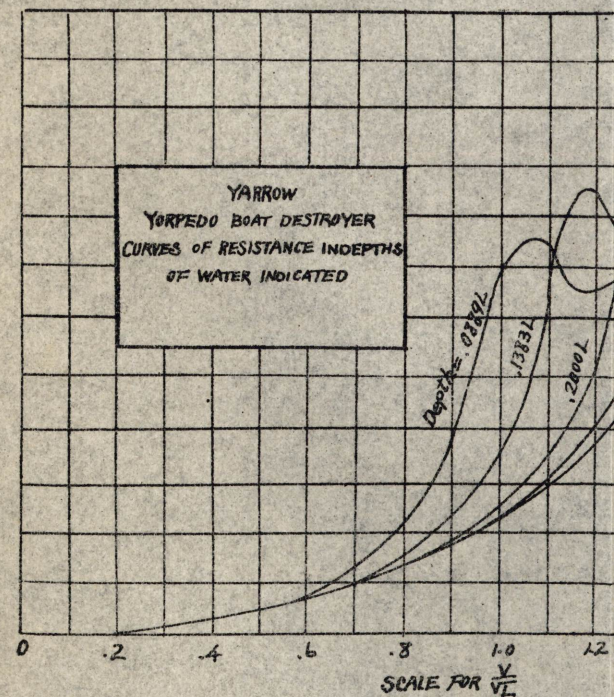
第17圖
推進器/失脚



第18圖
RESTRICTED WATER CHANNELS
EFFECT OF DEPTH OF WATER
ON THE RESISTANCE
OF A VESSEL



第18圖
海深：船体抵抗



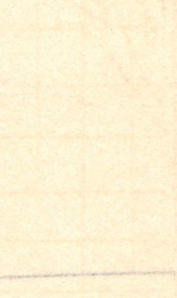
THE DEPTH OF WATER FOR EACH CURVE IS INDICATED ON THE CURVE EXPRESSED THE LENGTH OF THE VESSEL.

圖
卷ノ失脚



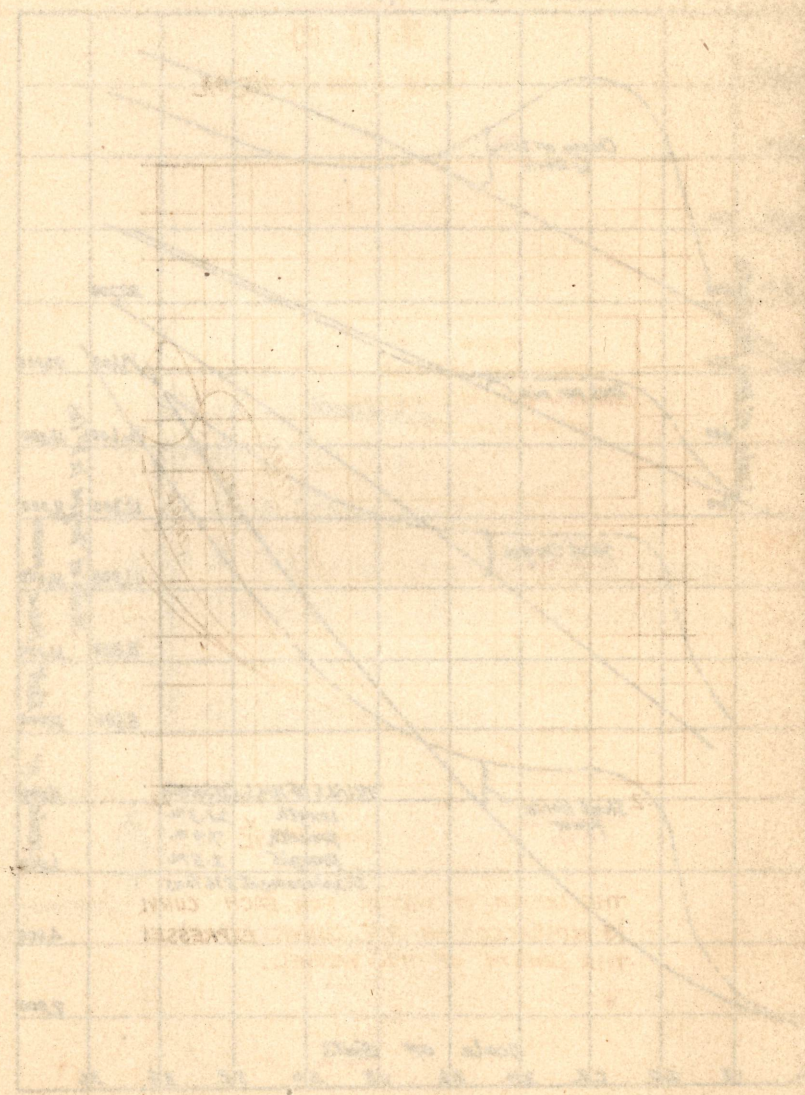
(a)

海狗



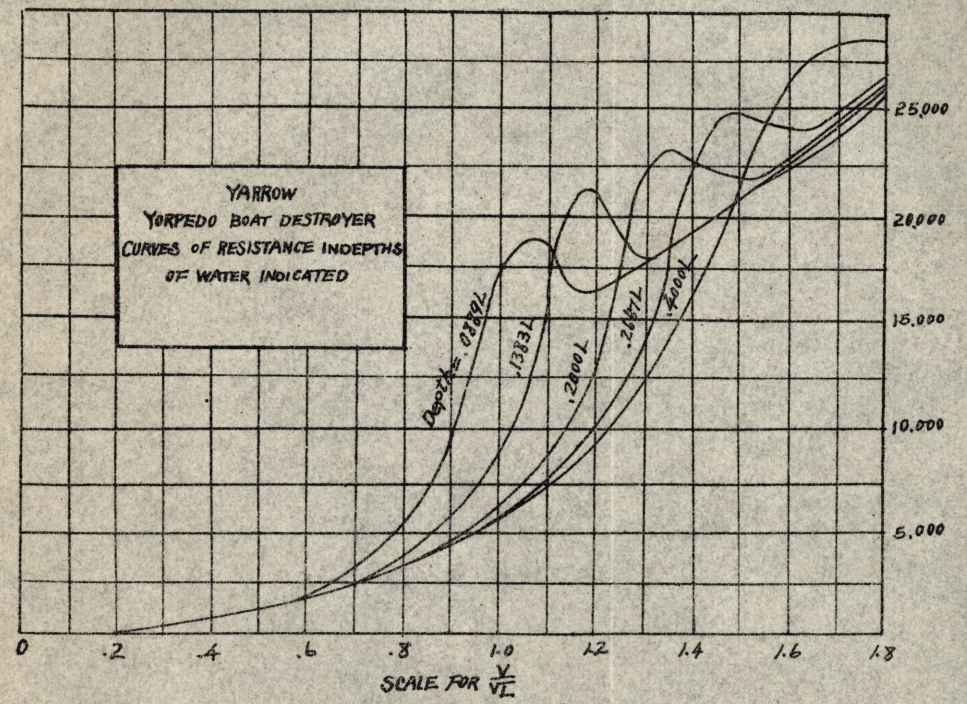
(d)

RESTRICTED WATER CHANNELS
TYPE OF CURVE FOR WATER
The water depth
The water depth
The water depth



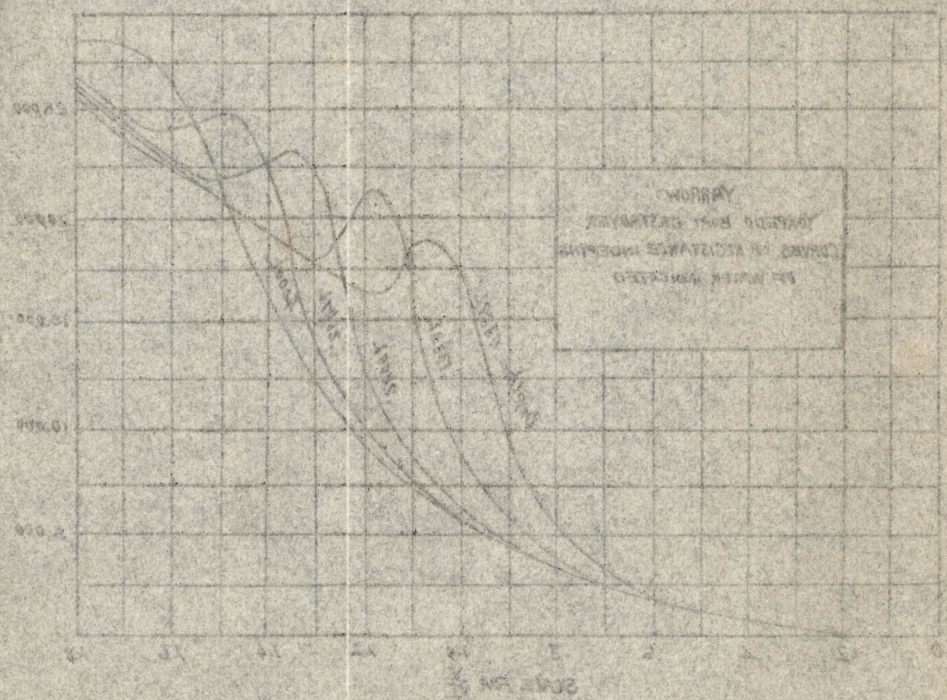
第18圖

海深、船体抵抗

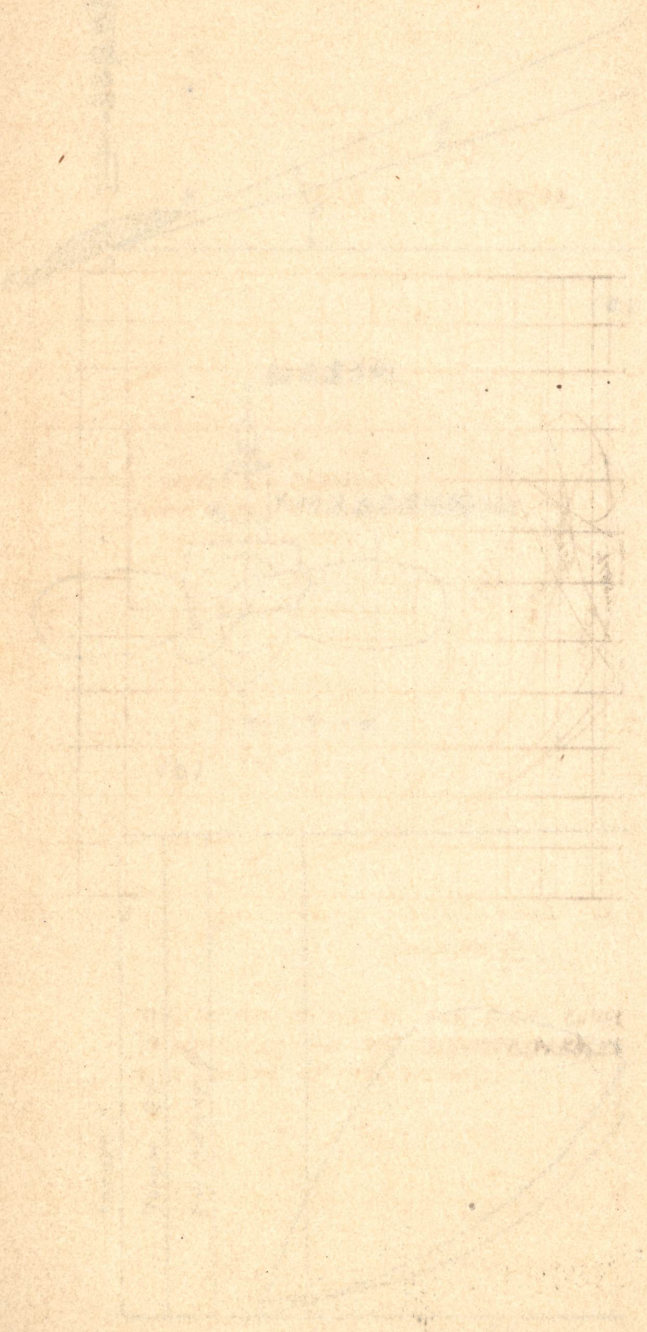


THE DEPTH OF WATER FOR EACH CURVE IS INDICATED ON THE CURVE EXPRESSED AS A FRACTION OF THE LENGTH OF THE VESSEL.

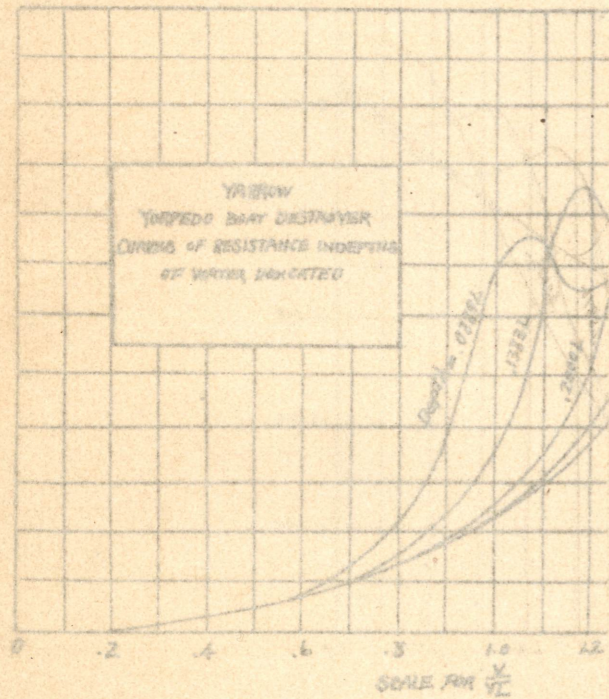
圖 11 卷
試驗 - 水柱試驗



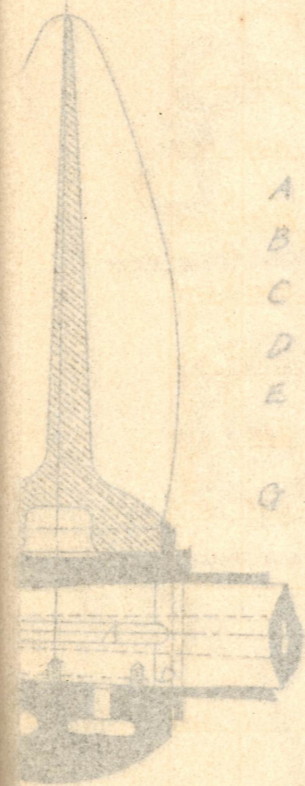
THE LENGTH OF THE VESSEL
IS INDICATED ON THE CURVE PRESSURE AS A FUNCTION OF
THE DEPTH OF WATER FOR EACH CURVE



第18图
水深、船体抵抗



THE DEPTH OF WATER FOR EACH CURVE IS INDICATED ON THE CURVE EXPRESSED THE LENGTH OF THE VESSEL.



- A 楔 (Longitudinal key)
- B 蓋螺 (Cap nut)
- C 保護板 (Keep plate)
- D 填密 (stuffing box) 海水腐蝕作用防止
- E 節變使用撐內孔 (螺釘) 同一青銅者
「97+40x19」(2ト75挿入)
- F 翼取付用螺釘、止板

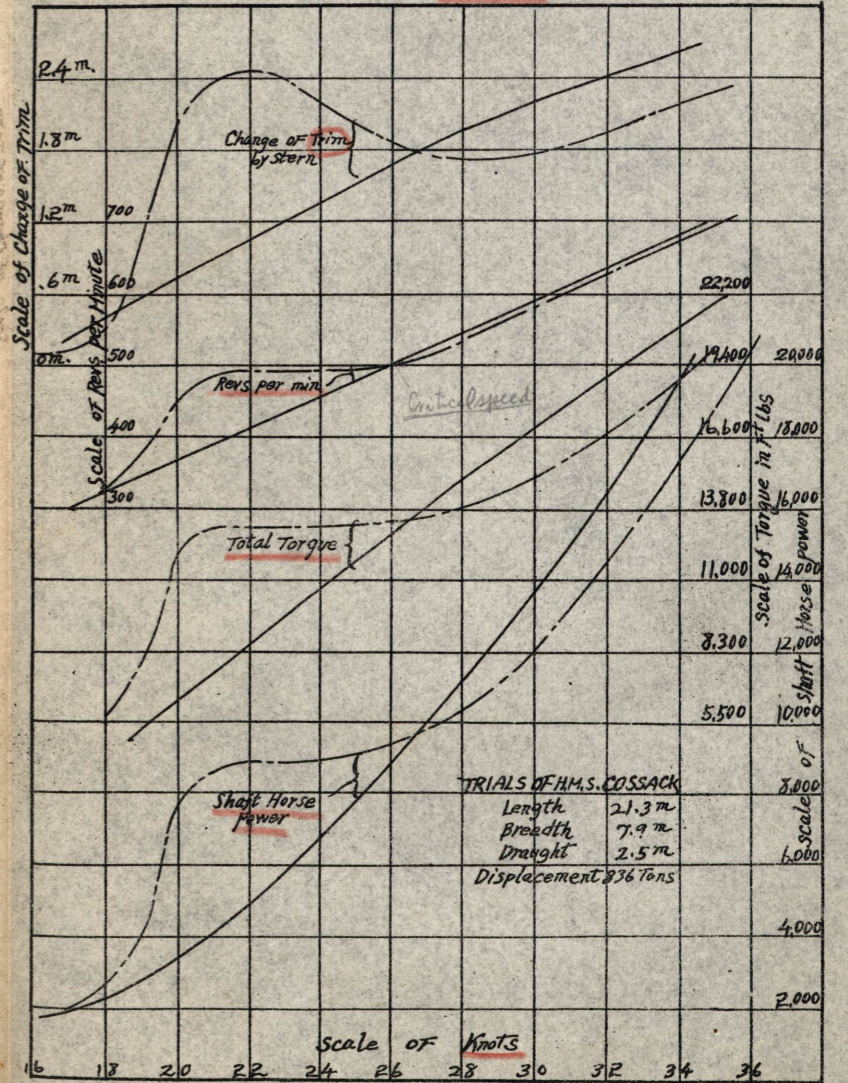
第19图

RESTRICTED WATER CHANNELS

EFFECT OF DEPTH OF WATER

High-speed vessel

Maplin 7 Fathoms
Skelmorlie 40 "



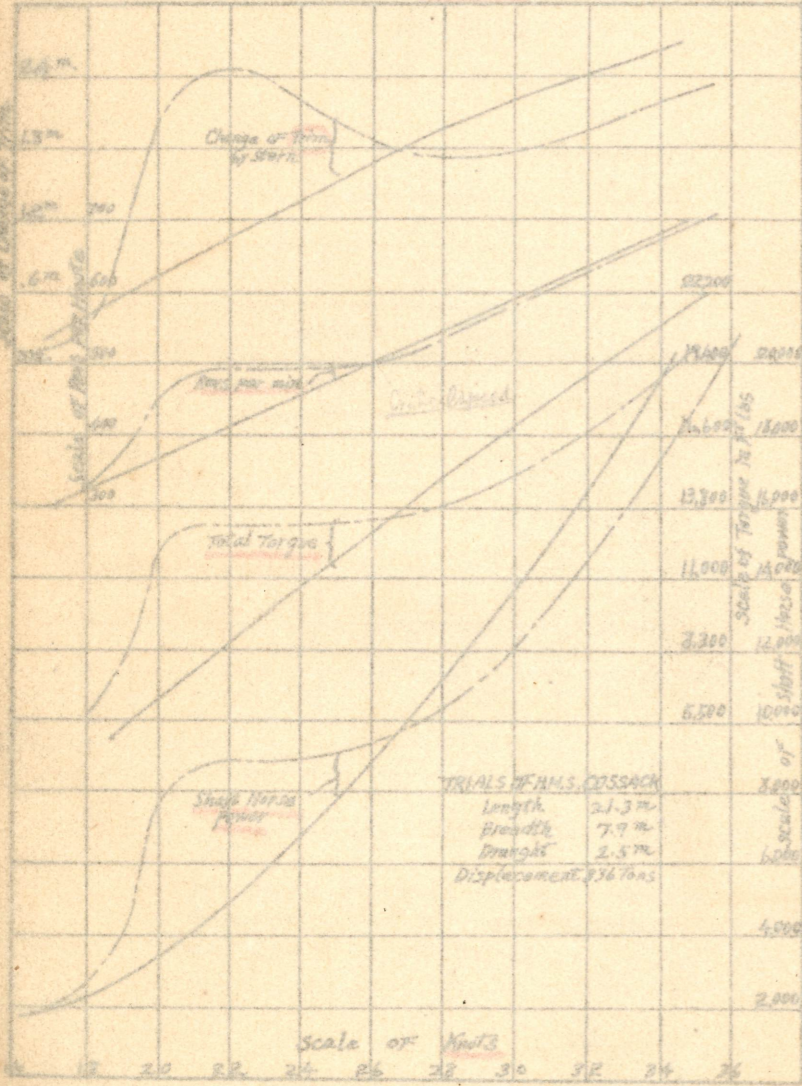
第19图

RESTRICTED WATER CHANNELS

EFFECT OF DEPTH OF WATER

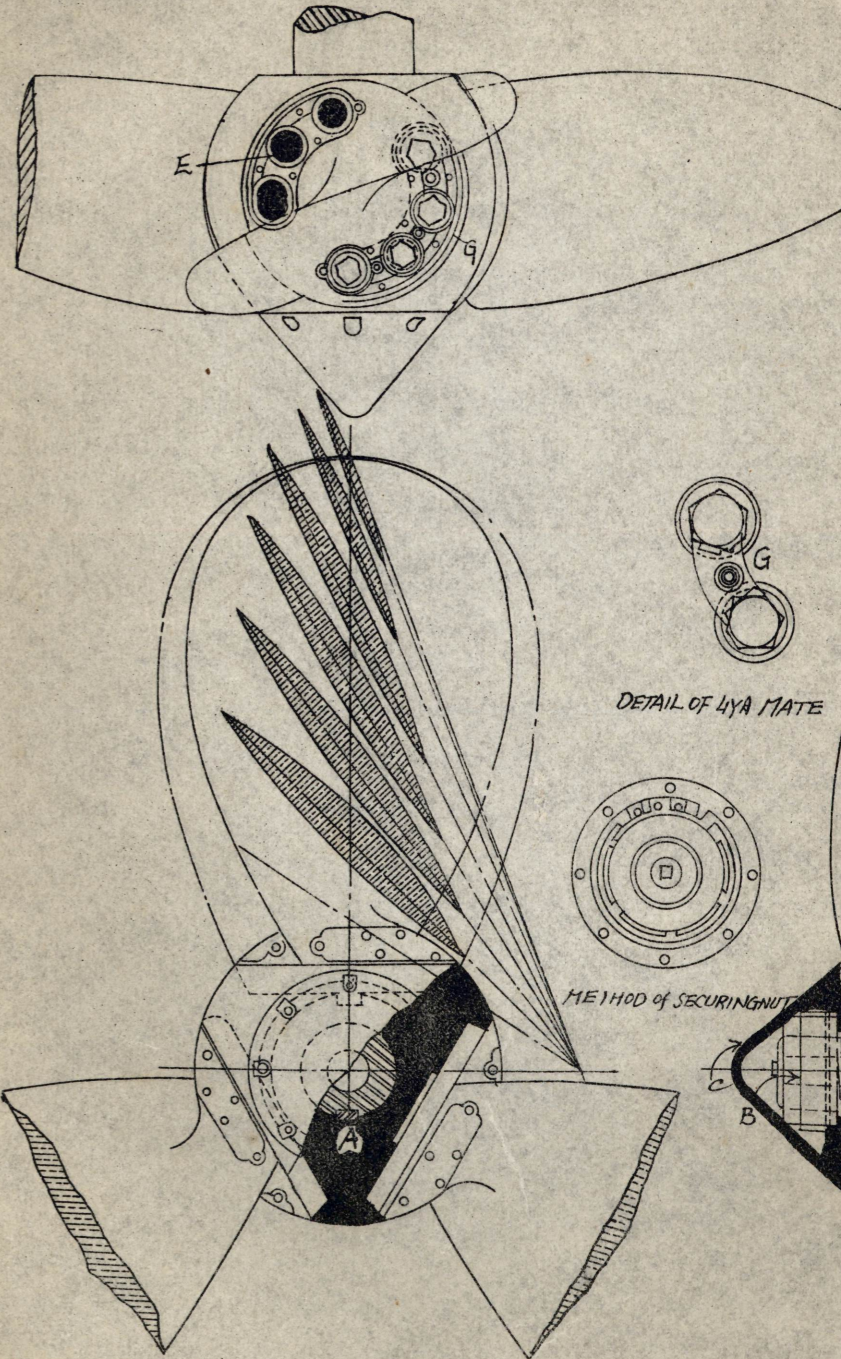
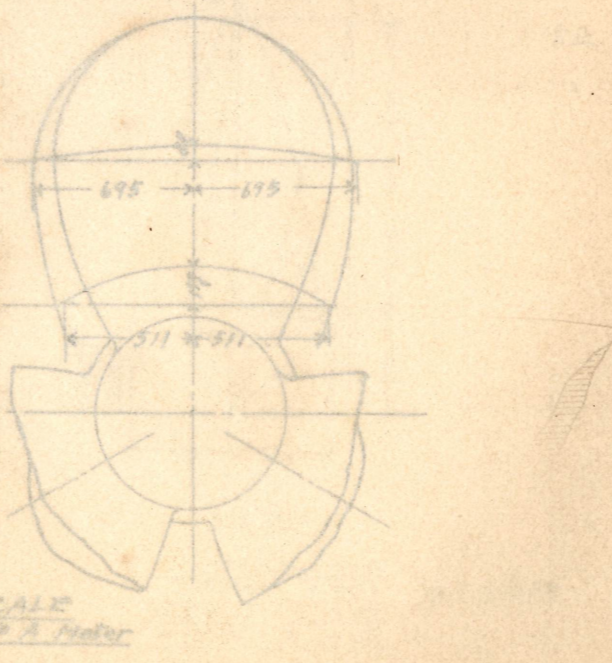
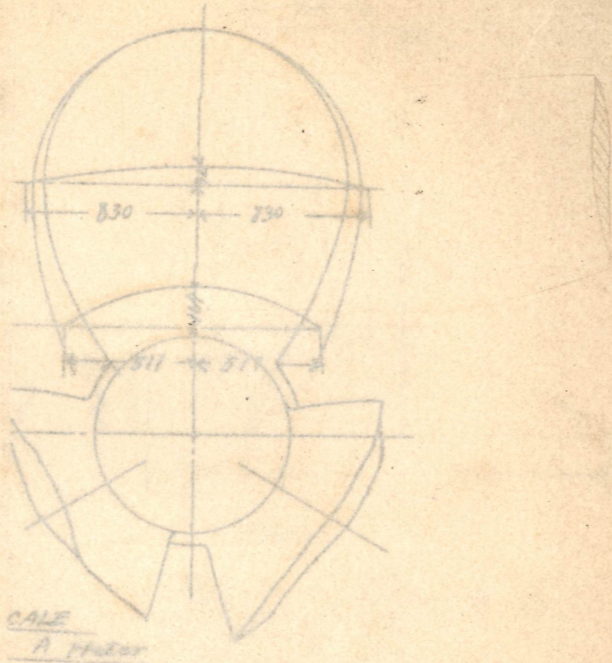
High-speed Vessel

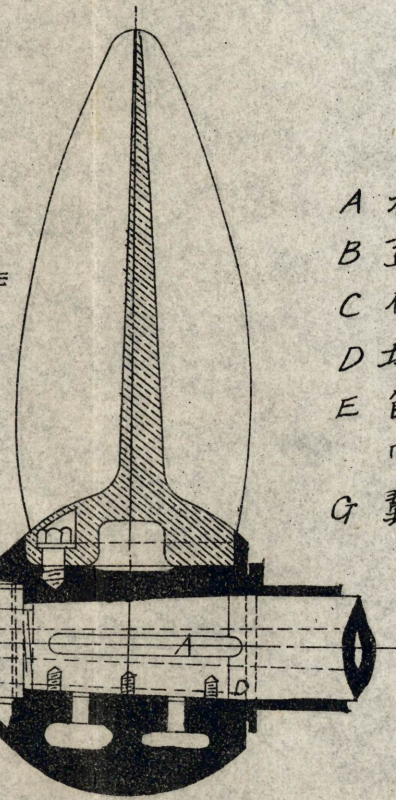
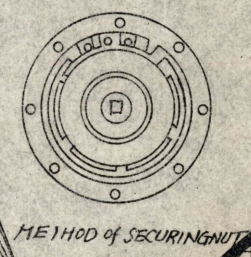
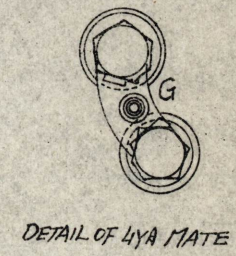
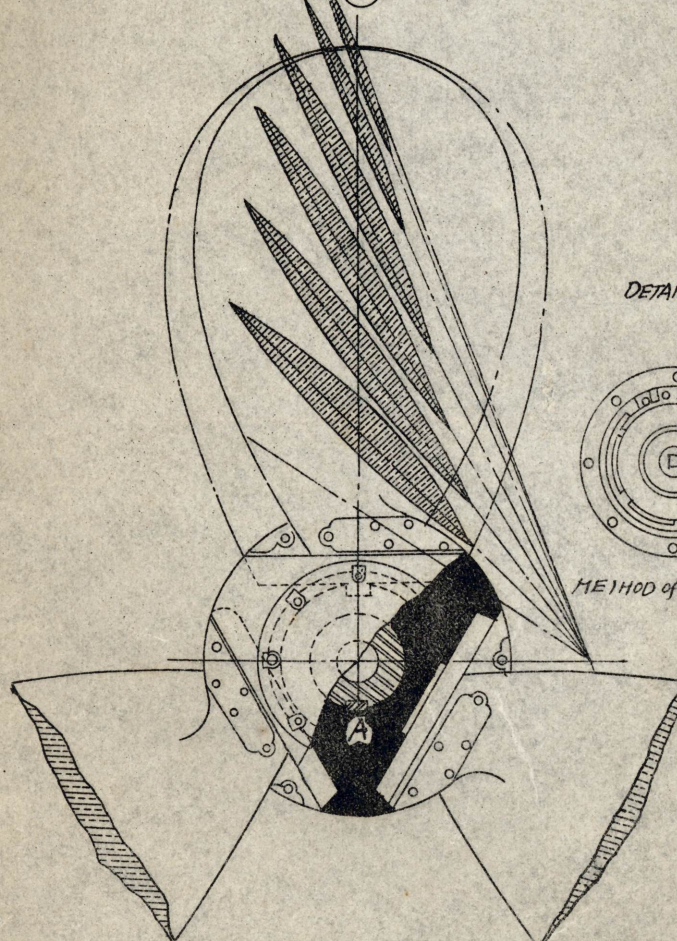
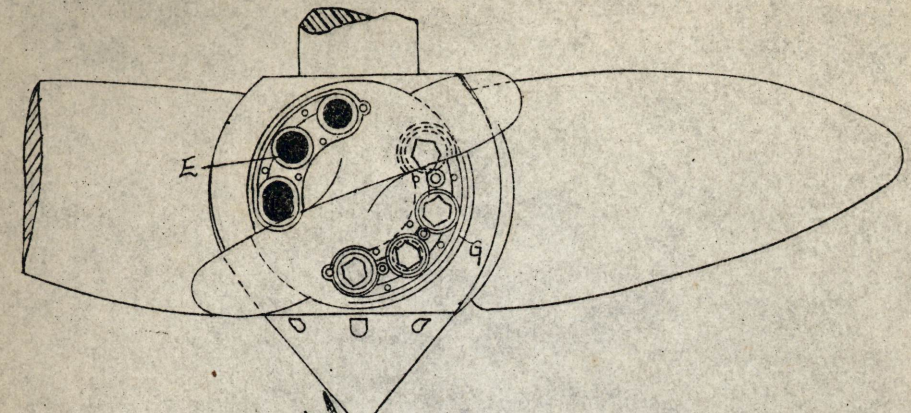
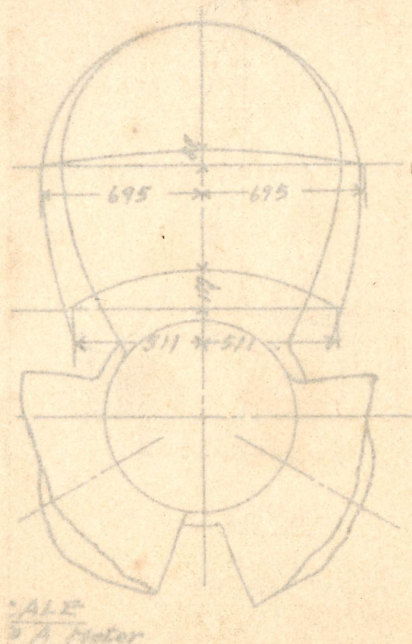
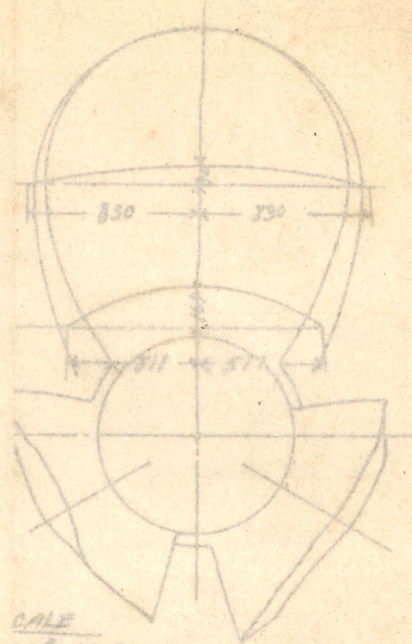
— Hooplin 7 Fathoms
— Salmorlie 40 "



TRIALS OF A.M.S. CROSSACK
 Length 21.3 m
 Breadth 7.7 m
 Draught 2.5 m
 Displacement 336 tons

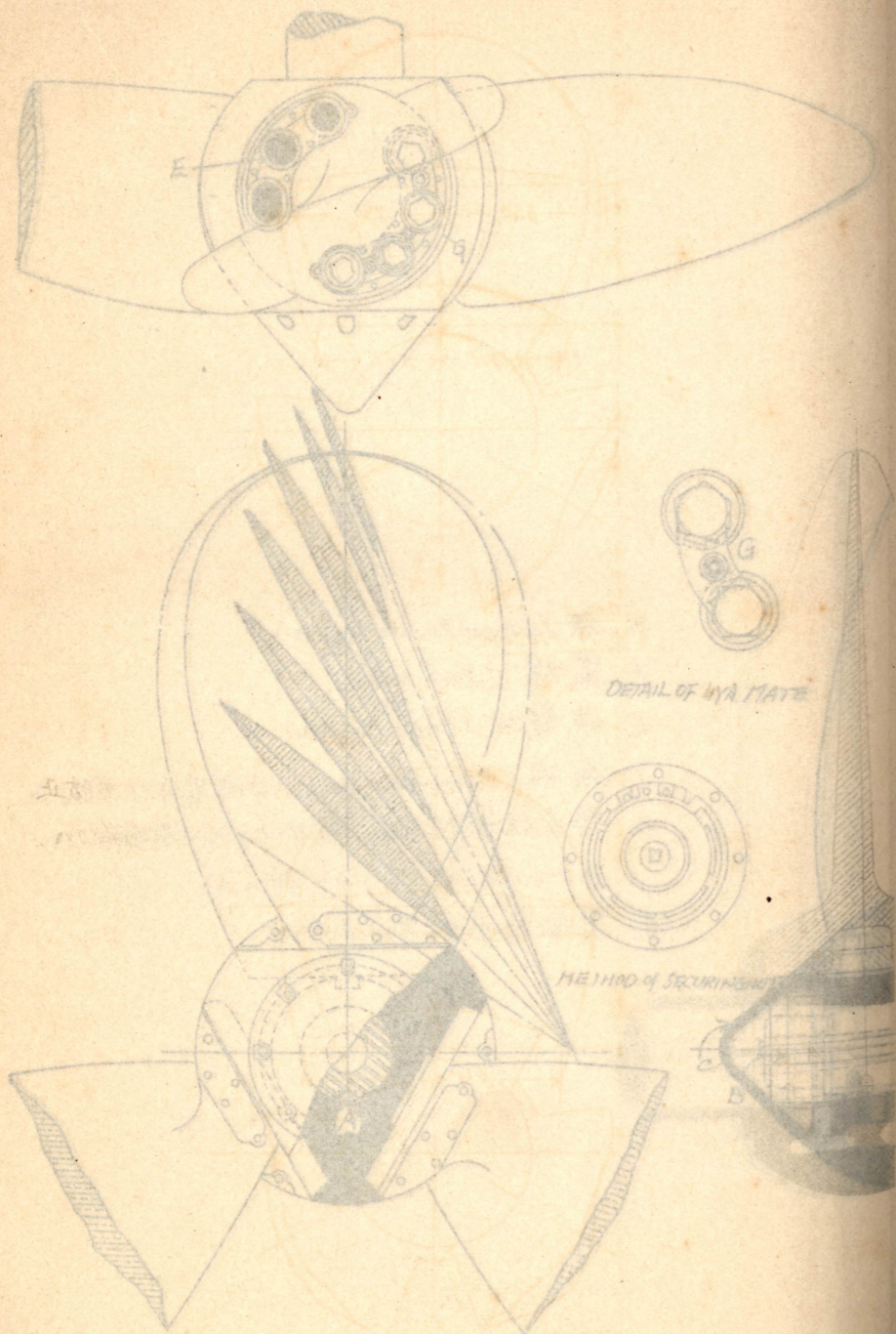
第20图





- A 楔 (Longitudinal key)
- B 蓋螺 (Cap nut)
- C 保護板 (Keep plate)
- D 填坐 (Stuffing box) 海水腐蝕作用防止
- E 節變用橈内孔 (螺釘11間=青銅若カ
「リグ+ムバ19」, 「ストップ」挿入ス)
- G 翼取付用螺釘止板

第20图

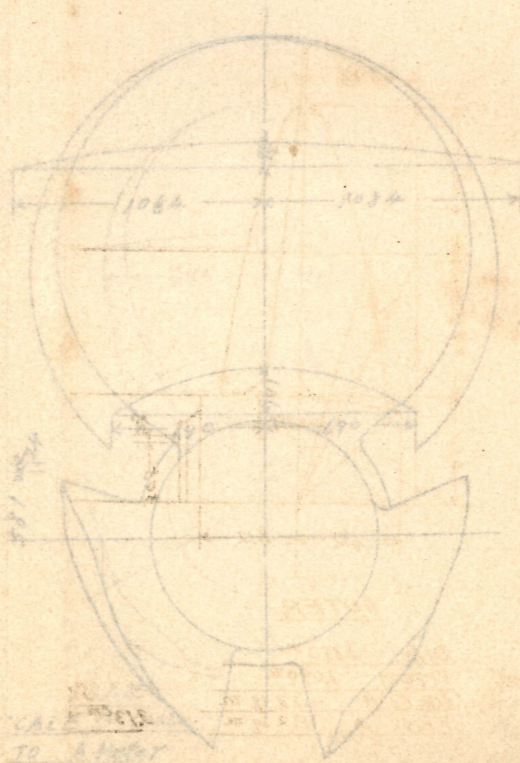
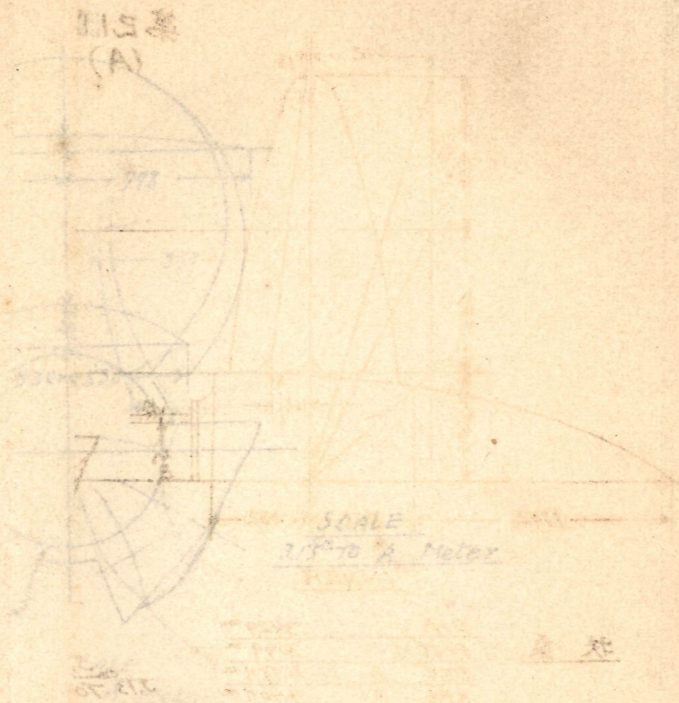


DETAIL OF WYA MATE

METHOD OF SECURING

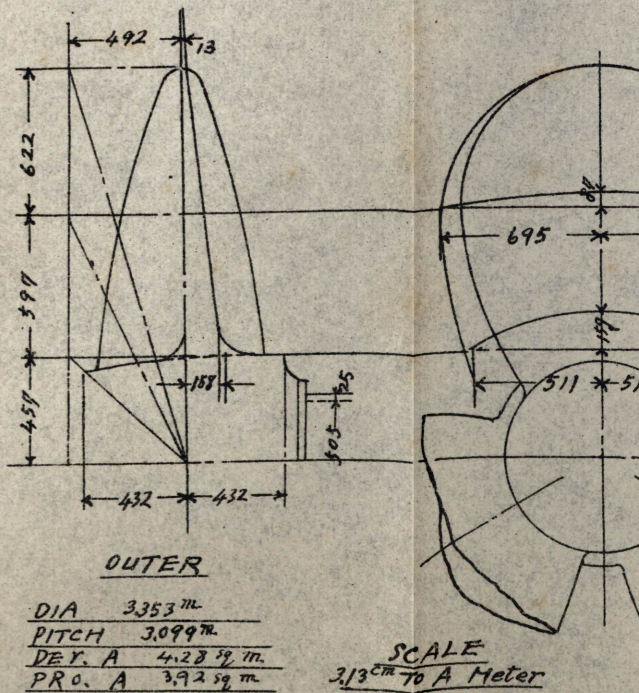
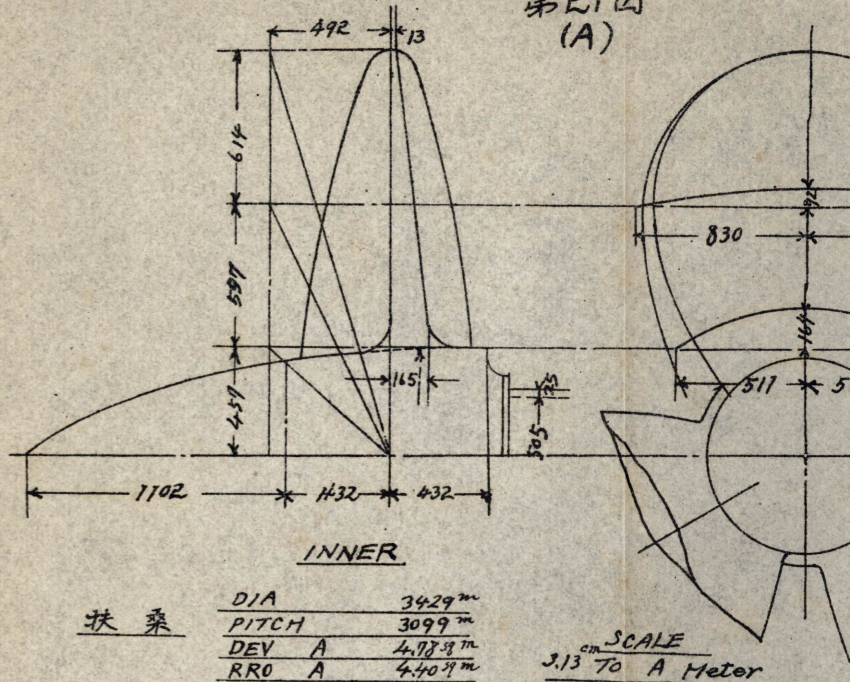
推進
十大

第21图
(A)

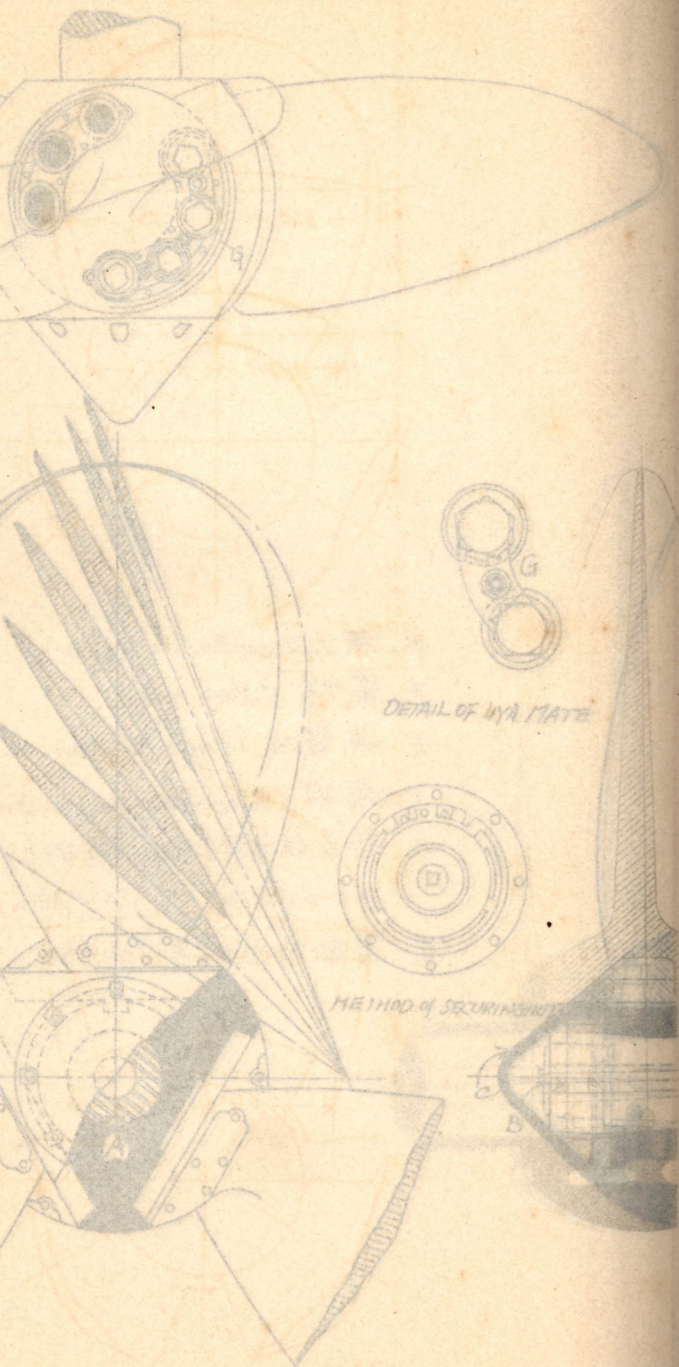


SCALE
3.13 TO A Meter

第21图
(A)



第20图



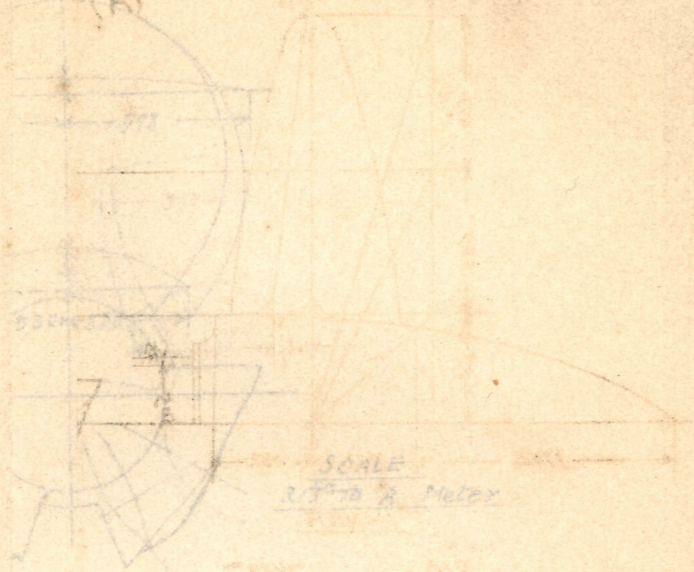
DETAIL OF WYA PLATE



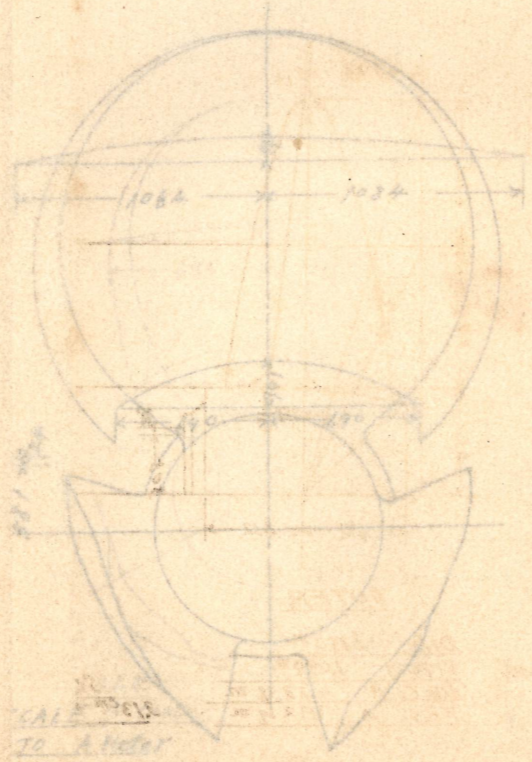
METHOD OF SECURING

推直
十六

第21图 (A)

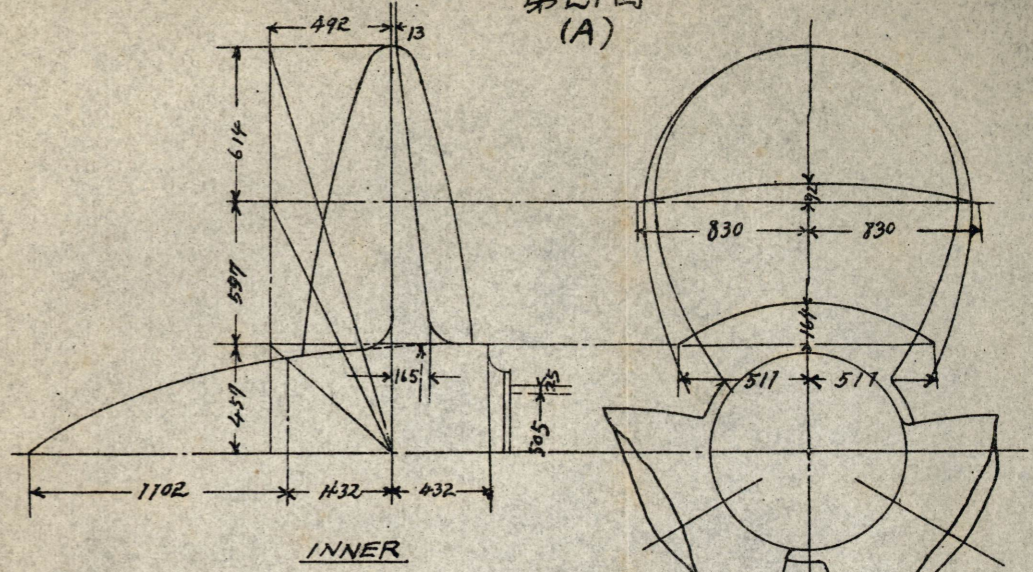


SCALE
3/13 TO A Meter



SCALE
3/13 TO A Meter

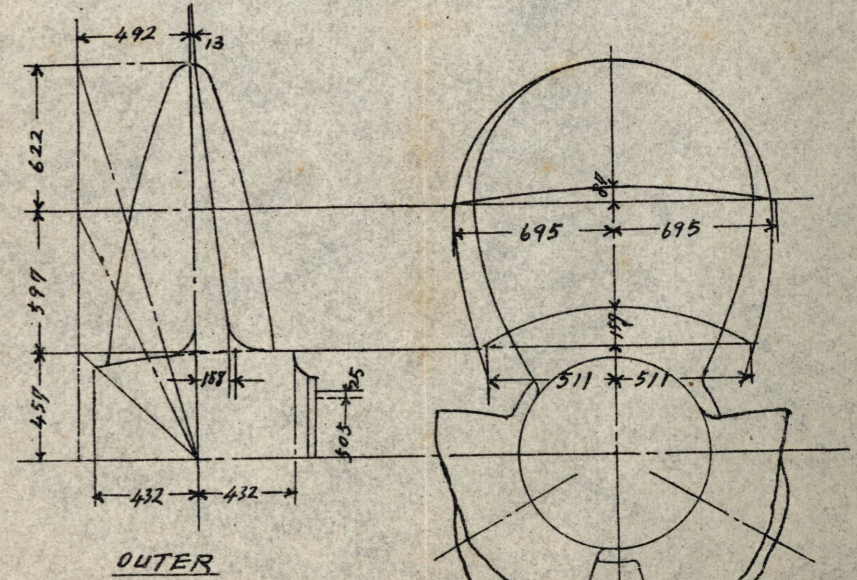
第21图 (A)



扶桑

DIA	3429 ^m
PITCH	3099 ^m
DEV. A	4.988 ^m
RRO A	4.409 ^m

SCALE
3/13 TO A Meter

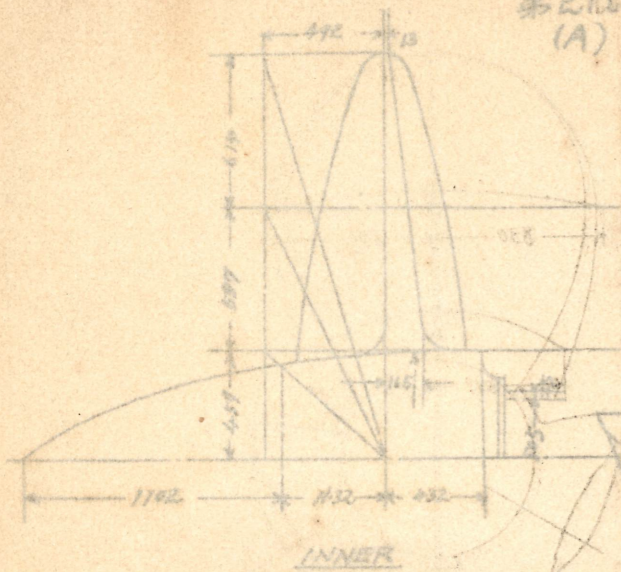


扶桑及山城

DIA	3353 ^m
PITCH	3099 ^m
DEV. A	4.288 ^m
PR O. A	3.928 ^m

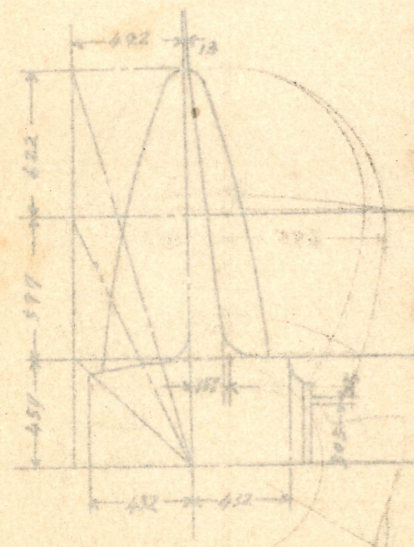
SCALE
3/13 TO A Meter

第2圖 (A)



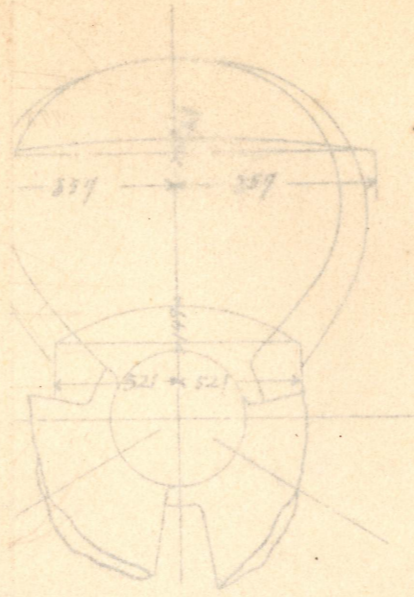
扶桑

DIA	3429 m
PITCH	3099 m
DEV. A	4124 m
PRO. A	4409 m

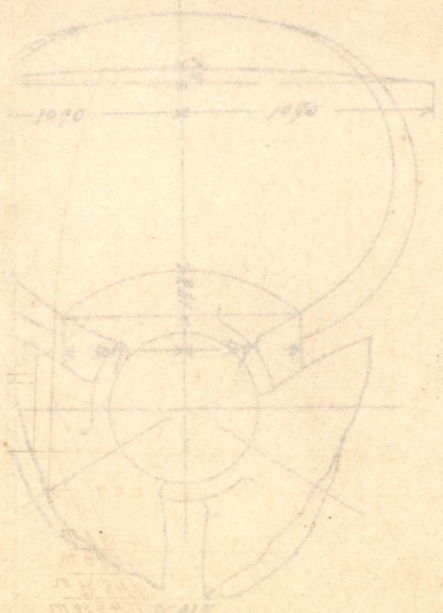


扶桑及山城

DIA	3352 m
PITCH	3099 m
DEV. A	4124 m
PRO. A	4409 m

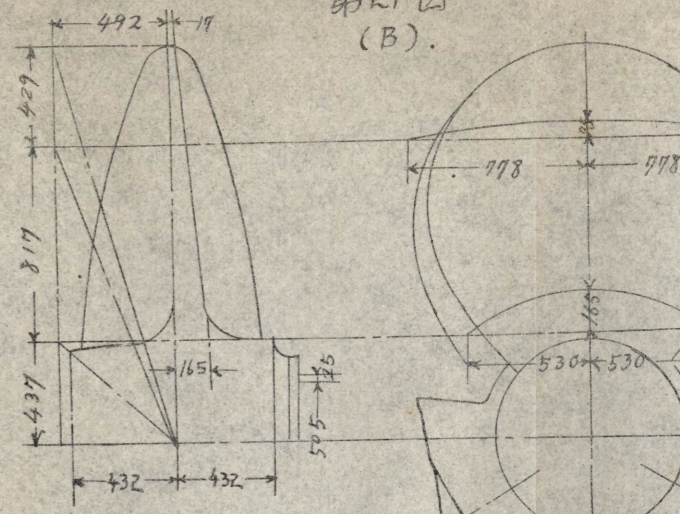


SCALE 3/13 TO A Meter



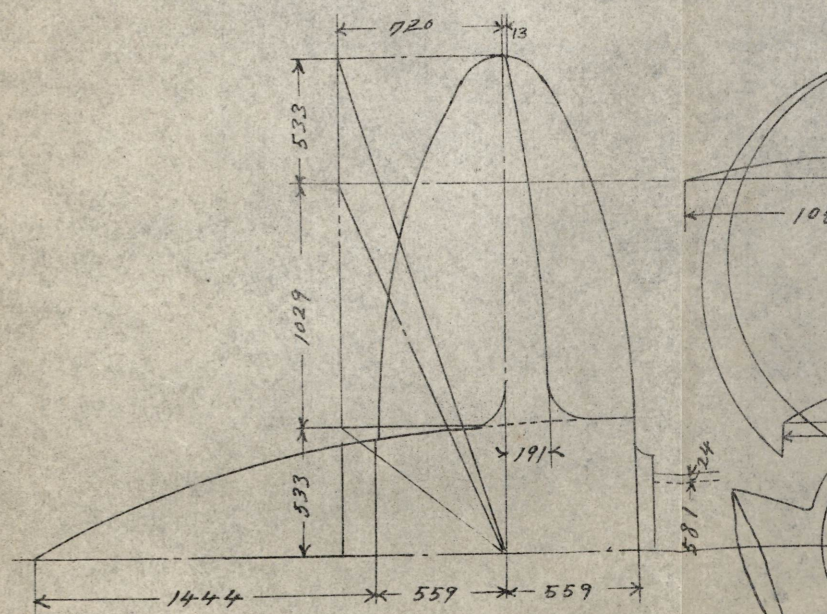
SCALE 3/13 TO A Meter

第21圖 (B)



山城

DIA	3353 m
PITCH	340.36 m
DEV. A	4853 m
PRO. A	392.89 m



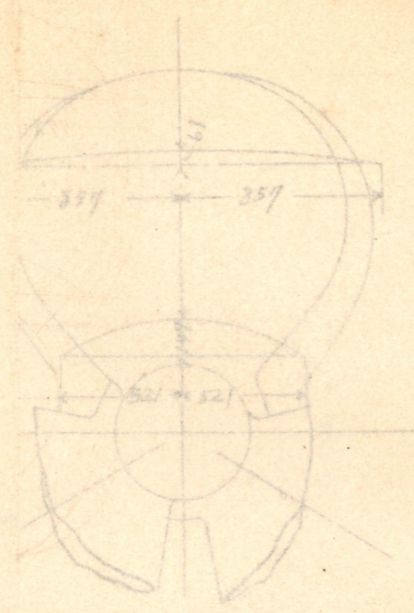
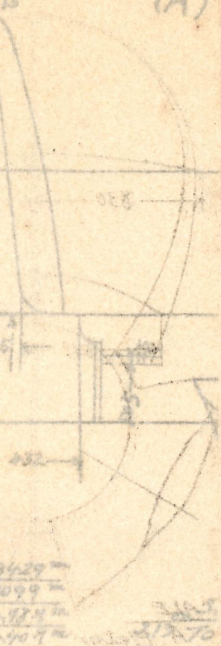
長門

DIA	4.191 m
PITCH	4.410 m
DEV. A	8.455 m
PRO. A	12.433 m

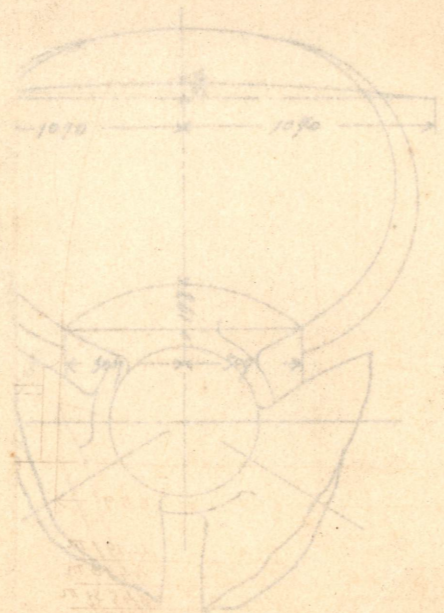
SCALE 3/13 TO A Meter

推進 十七

第21圖 (A)

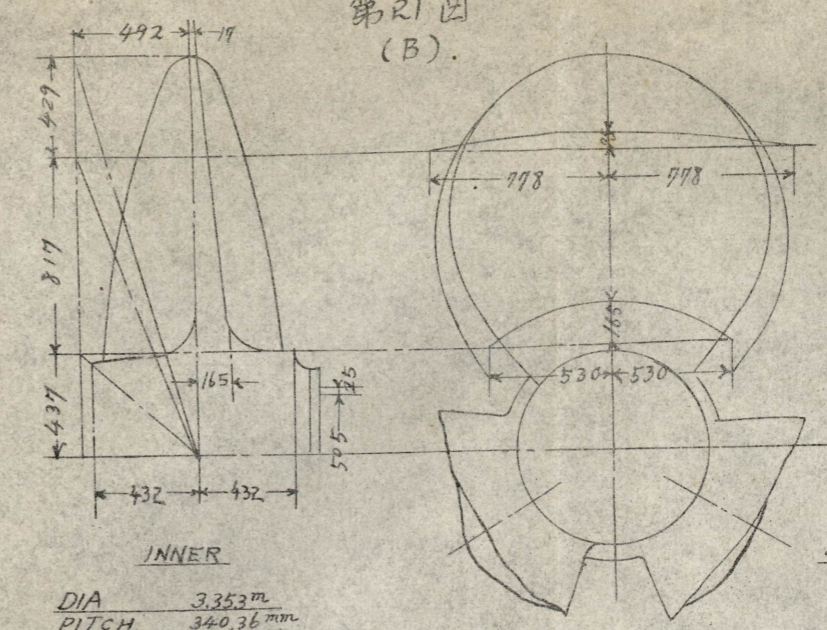


SCALE
1:250 TO A Meter



SCALE
1:250 TO A Meter

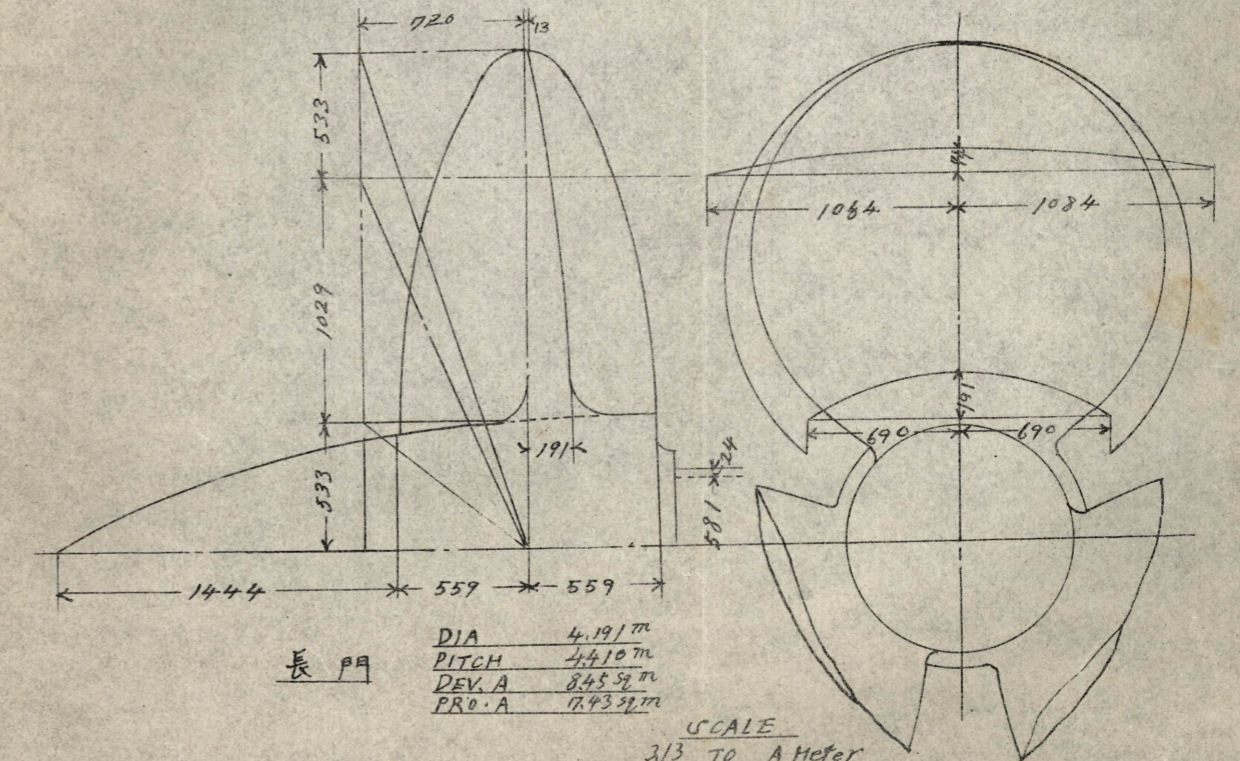
第21圖 (B)



SCALE
1:3 TO A Meter

山城

DIA 3.353 m
PITCH 340.36 mm
DEV. A 4.85 m
PRO. A 392.89 m

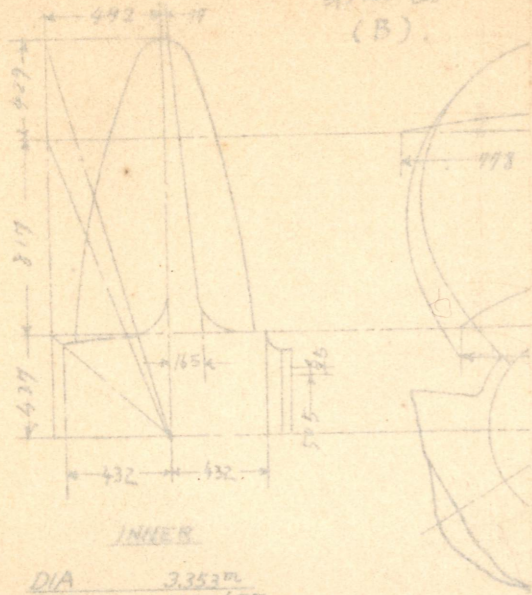


長門

DIA 4.191 m
PITCH 4410 m
DEV. A 8.4552 m
PRO. A 1743.97 m

SCALE
1:3 TO A Meter

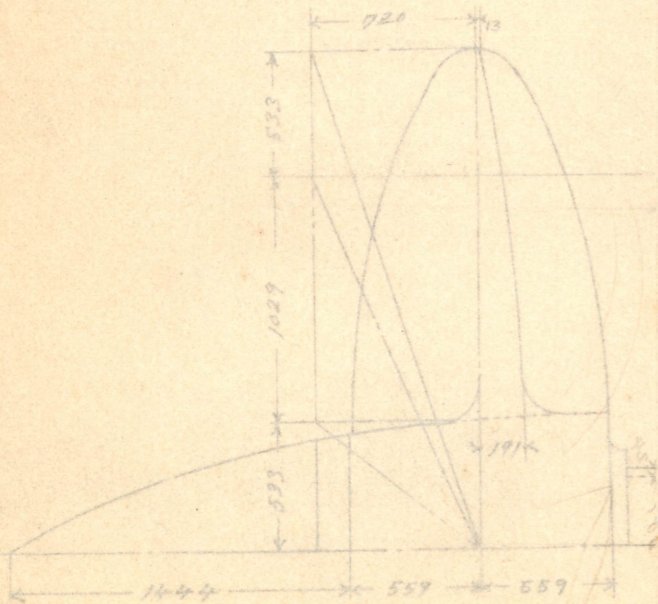
第21圖
(B)



INNER

DIA 3.353m
PITCH 34.02°
DEV. A 48.5°
PRO. A 37.29°

山城

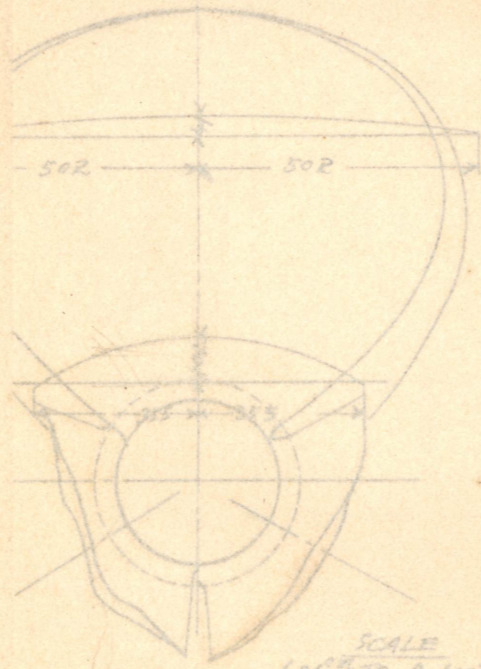


長門

DIA 4.181m
PITCH 44.10°
DEV. A 81.54°
PRO. A 71.93°

310
1000 12/35

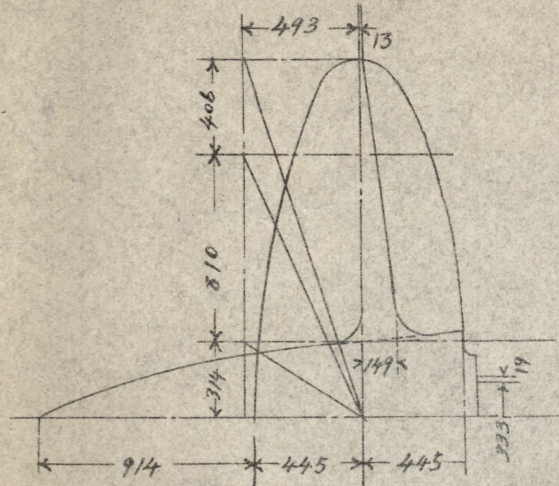
第21圖



SCALE
6.25 TO A Meter

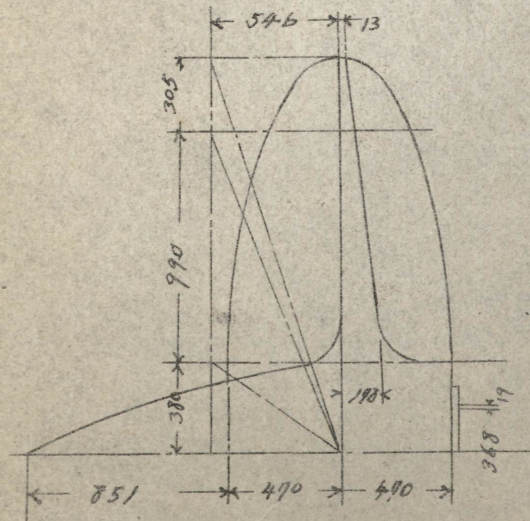
掛
遊
大

第21圖
(C)



天龍
龍田

DIA 3.048m
PITCH 31.37°
DEV. A 50.85°
PRO. A 4.50°

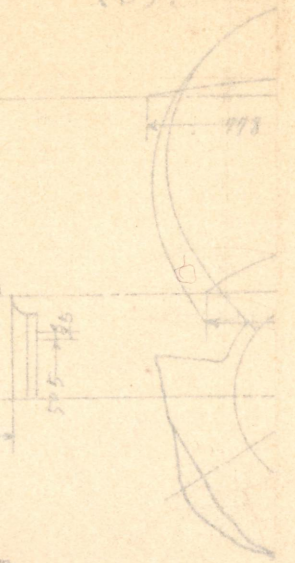


珠磨
多磨

DIA 3.353m
PITCH 34.29°
DEV. A 61.70°
PRO. A 5.95°

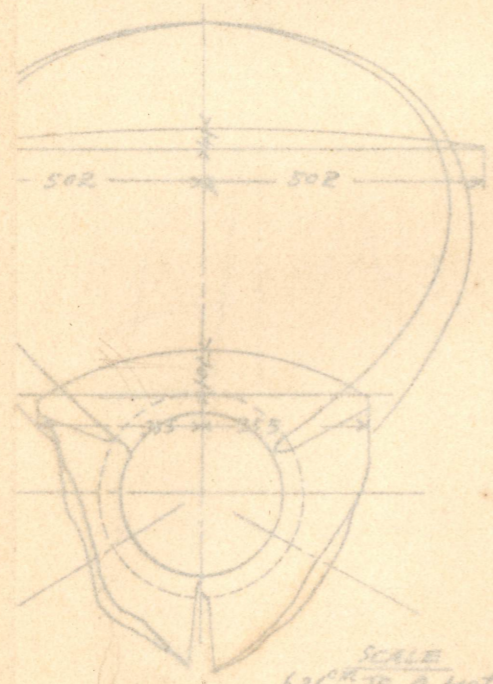
3.13cm

第21圖
(B)



DIA	4.191 m
PITCH	4.110 m
DEV. A	2.153 m
PRO. A	1.893 m

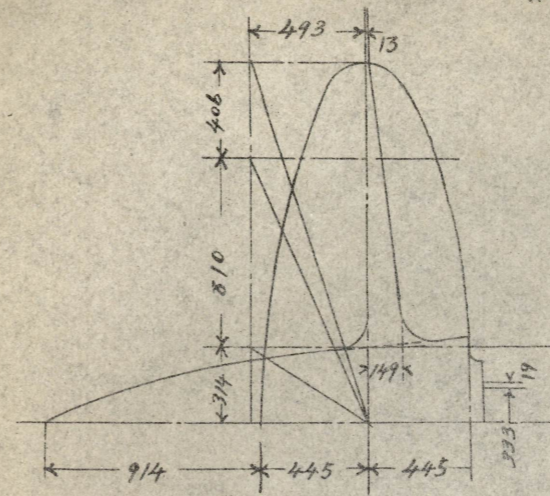
圖



SCALE
6.25 cm TO A Meter

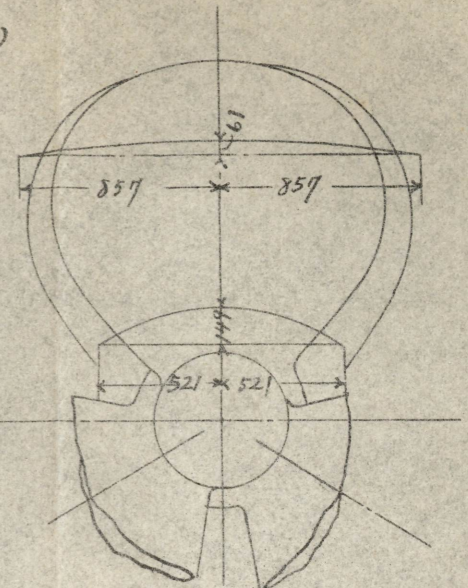
距離
十八

第21圖
(C)

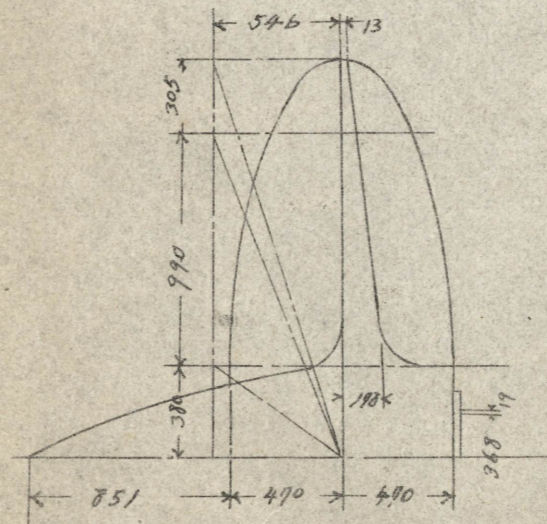


天龍
龍田

DIA	2.048 m
PITCH	3.137 m
DEV. A	5.083 m
PRO. A	4.503 m

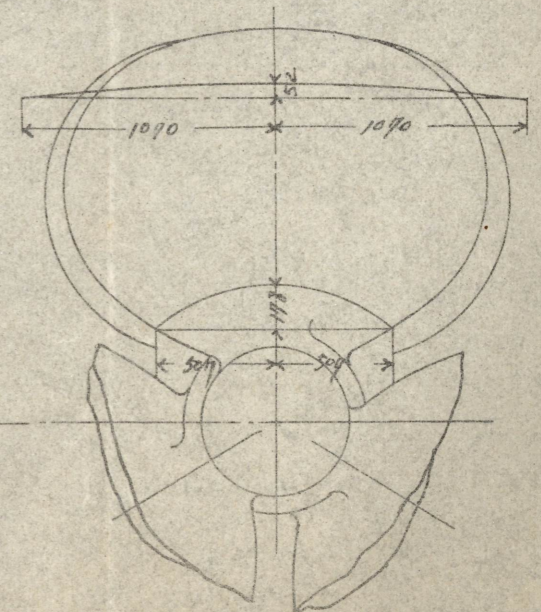


SCALE
3.13 cm TO A Meter



珠磨
多磨

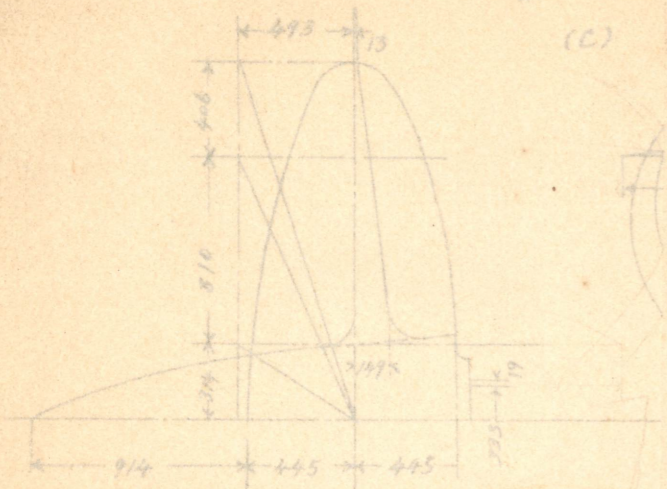
DIA	3.353 m
PITCH	3.429 m
DEV. A	6.703 m
PRO. A	5.953 m



SCALE
3.13 cm TO A Meter

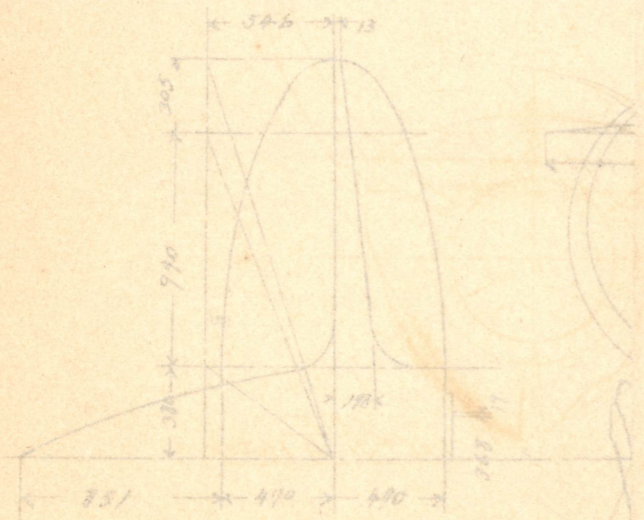
第21圖

(C)



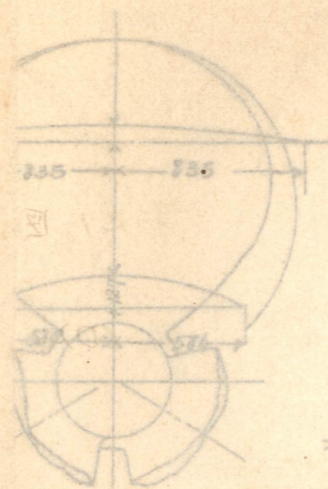
天橋
橋口

DIA	3.042 m
PITCH	3.137 m
DEV. A	508.9 m
PRO. A	450.9 m

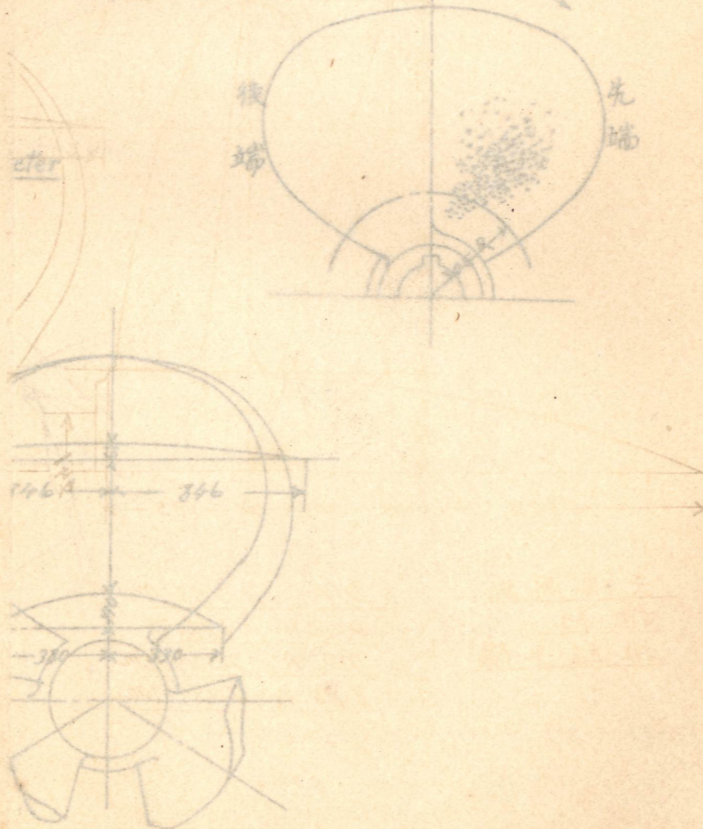


天橋
橋口

DIA	3.253 m
PITCH	3.424 m
DEV. A	670.5 m
PRO. A	515.9 m



第22圖
推進器, 滾蝕

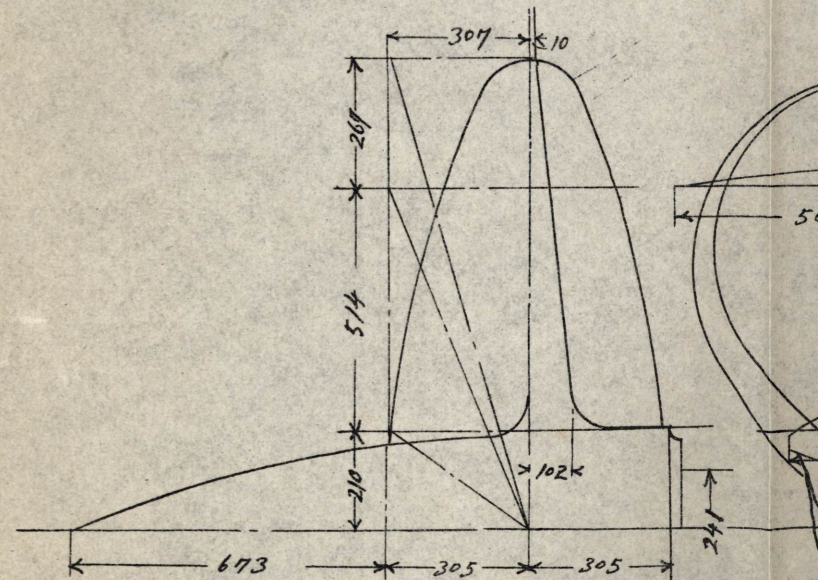


天橋
橋口

DIA	3.253 m
PITCH	3.424 m
DEV. A	670.5 m
PRO. A	515.9 m

第21圖

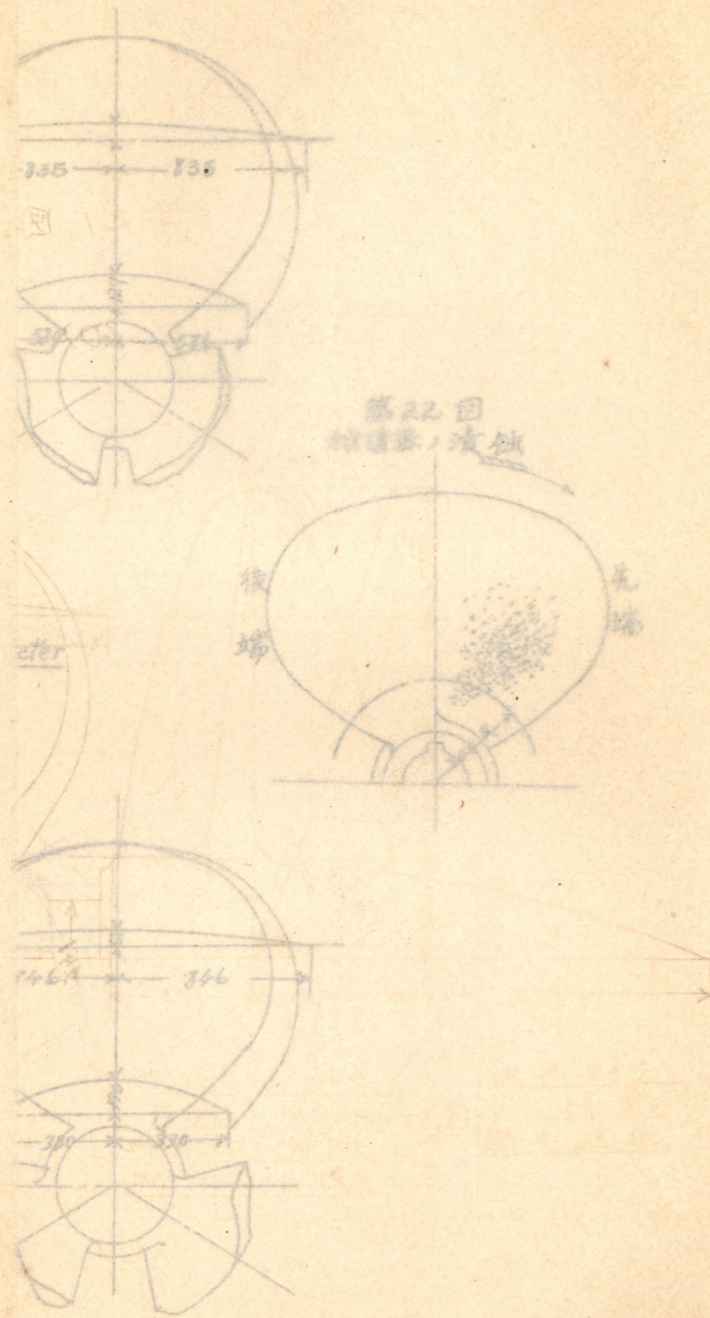
(D)



天津圍級
橋級
排級予備

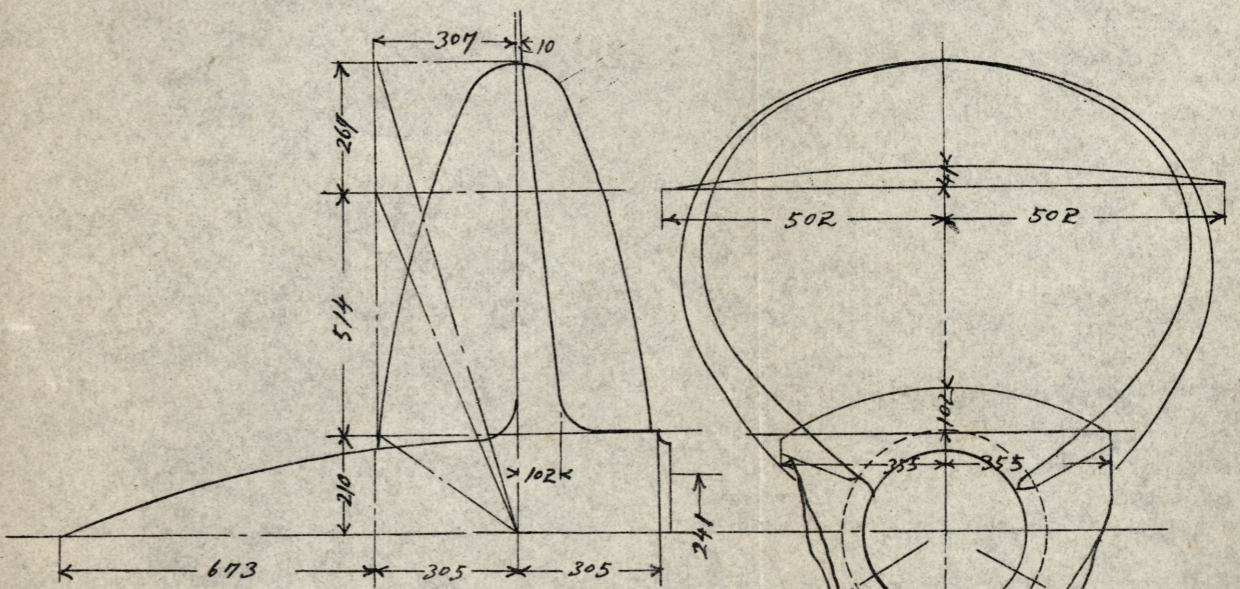
DIA	1.981 m
PITCH	1.880 m
DEV. A	2.335 m
PRO. A	2.080 m

第21圖
(C)



第21圖

(D)



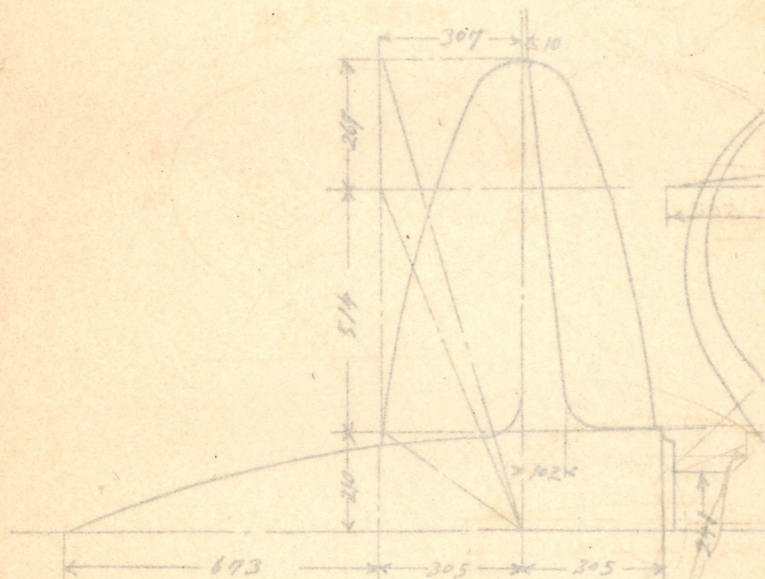
天津圍級
擋級
排級予備

DIA. 1,981m
PITCH 1,880m
DEV. A 2,335 sqm
PRO. A 2,080 sqm

SCALE
6.26^{cm} TO A Meter

第21圖

(D)

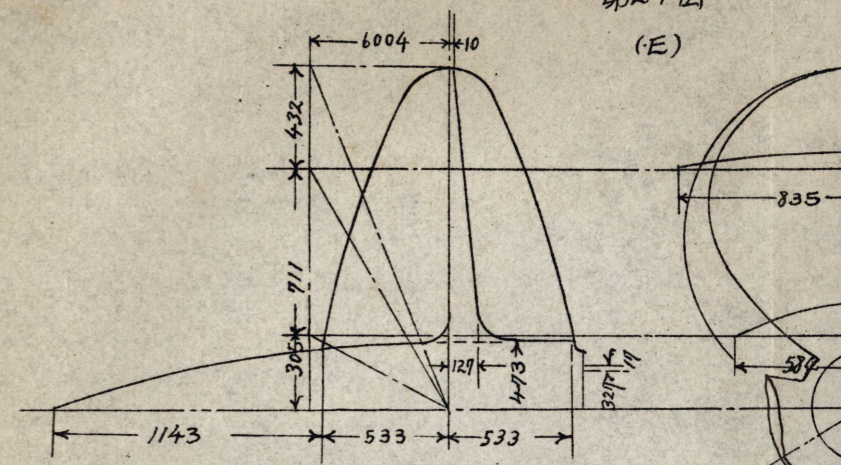


天津風鏡
描級
排級予備

DIA.	1981m
PITCH	1880m
DEV. A	2.335sqm
PRO. A	2.080sqm

第21圖

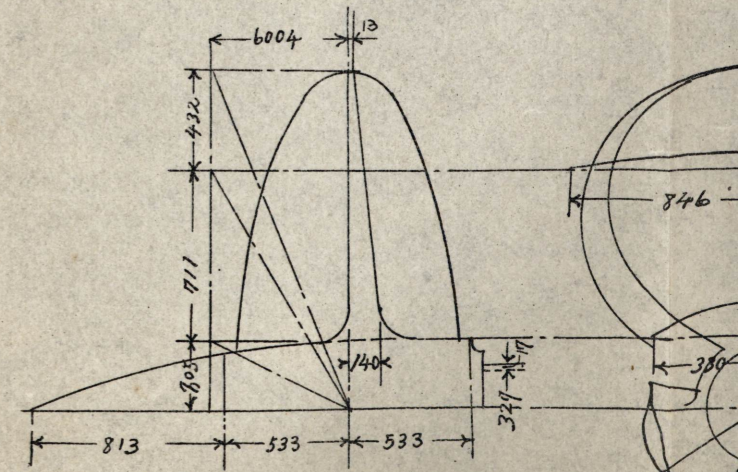
(E)



江風

DIA.	2896m
PITCH	3683m
DEV. A	484sqm
PRO. A	396sqm

SCALE
3.13^{cm} to A Meter

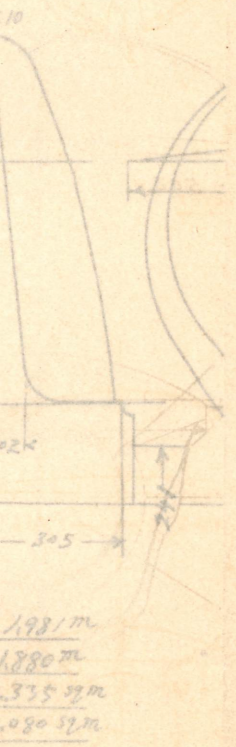


谷風

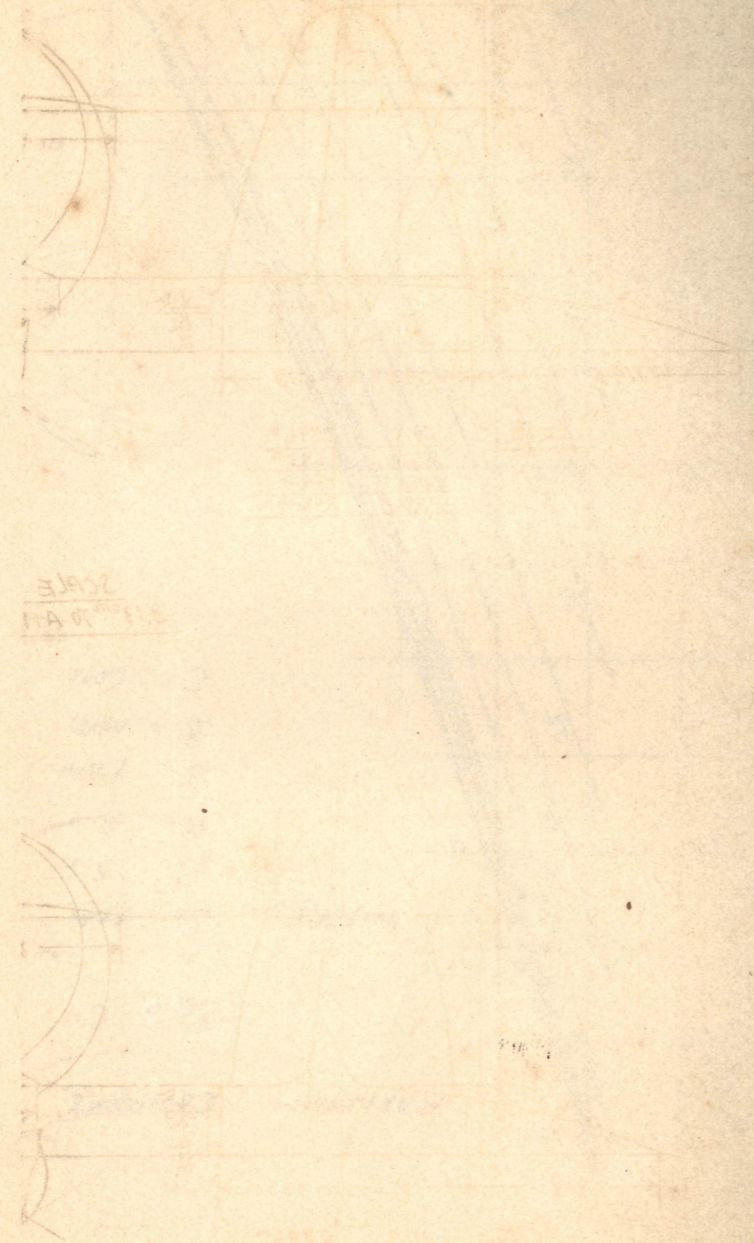
DIA.	2896m
PITCH	3683m
DEV. A	484sqm
PRO. A	396sqm

第21圖

(D)

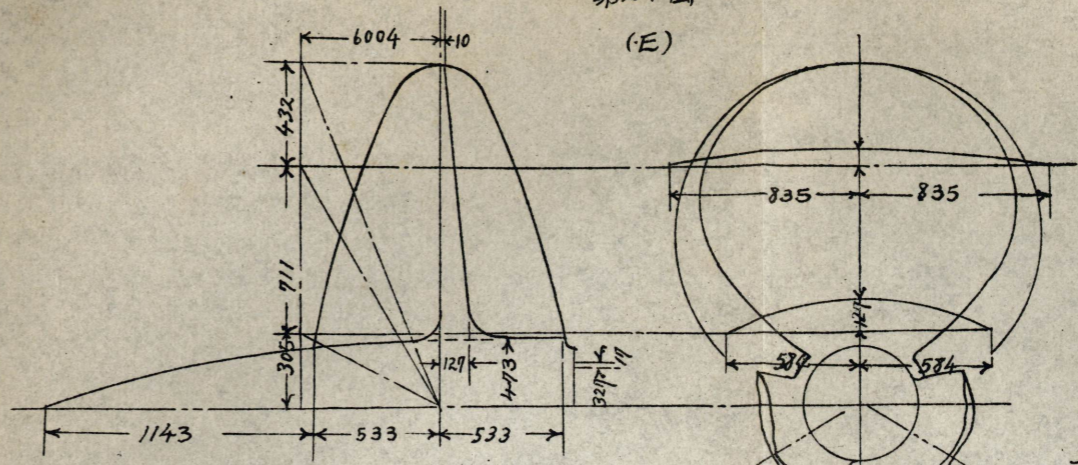


SCALE
1:10000



第21圖

(E)

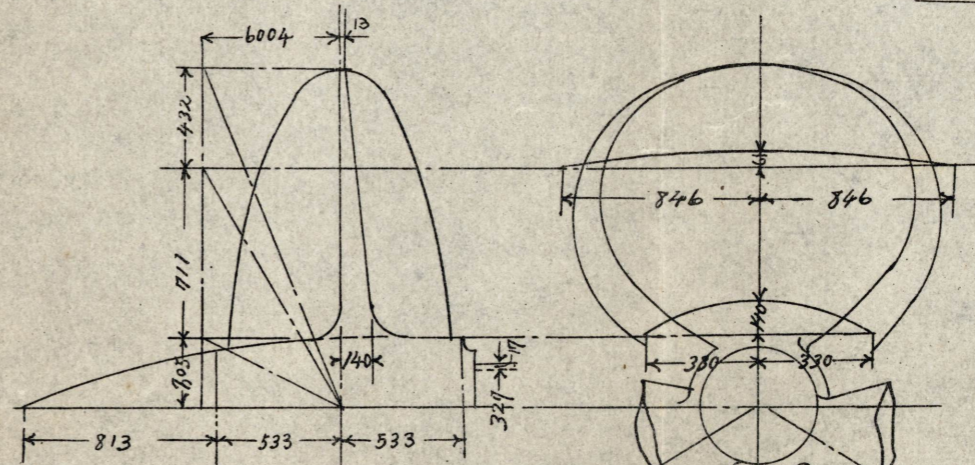
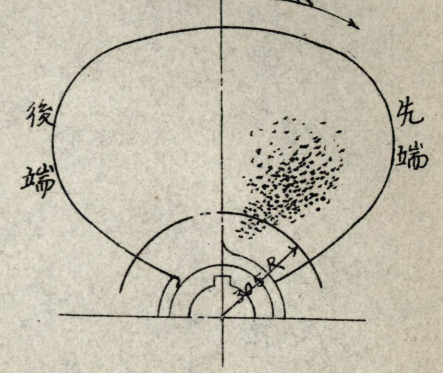


江風

DIA.	2.896m
PITCH	3.683m
DEV. A	4.84sqm
PRO. A	3.96sqm

SCALE
3.13cm to 1 Meter

第22圖
推進器, 潰蝕

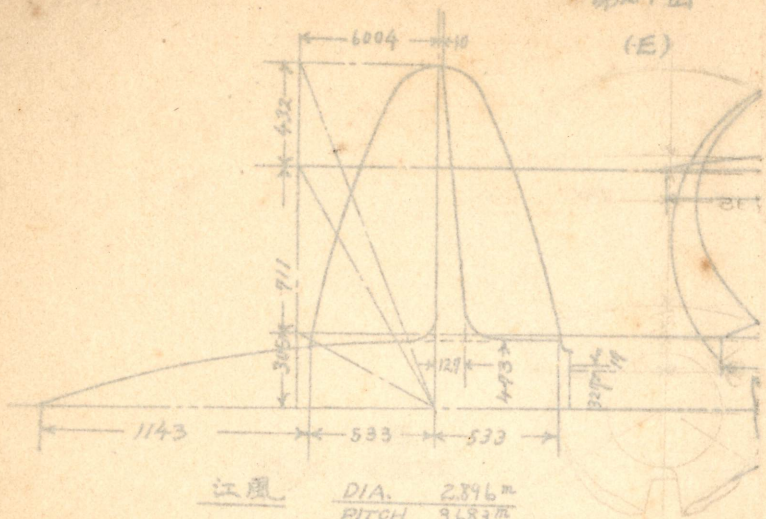


谷風

DIA.	2.896m
PITCH	3.683m
DEV. A	4.84sqm
PRO. A	3.96sqm

第21图

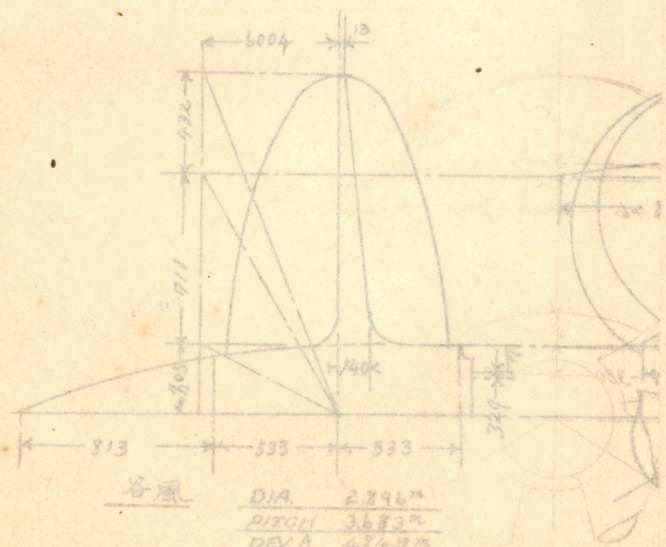
(E)



江風

DIA.	2.896 ^m
PITCH	3.683 ^m
DEV. A	4.84 ^m
PRO. A	3.96 ^m

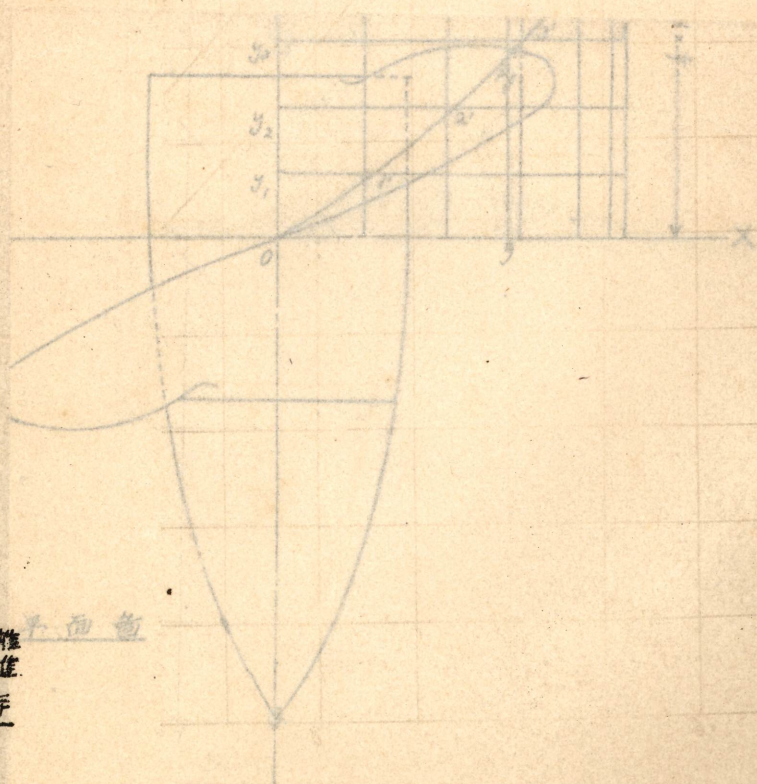
SCALE
3.13^{cm} = 70^{mm}



谷風

DIA.	2.896 ^m
PITCH	3.683 ^m
DEV. A	4.84 ^m
PRO. A	3.96 ^m

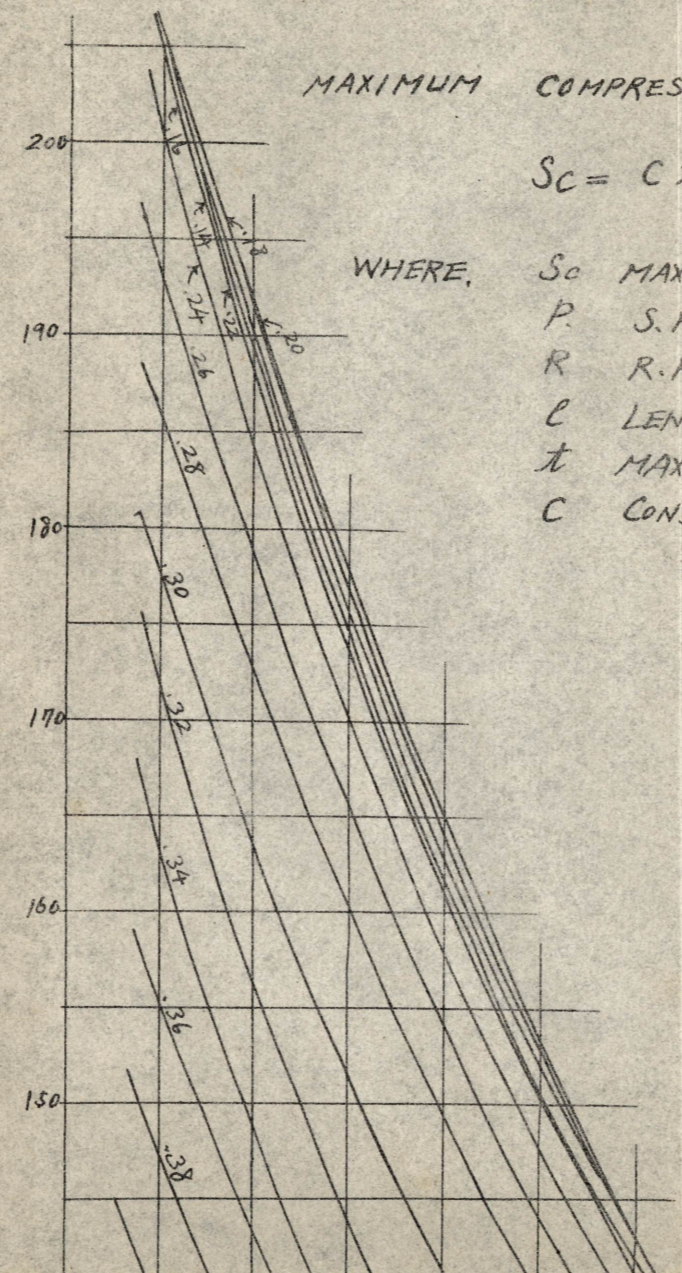
推進
手一



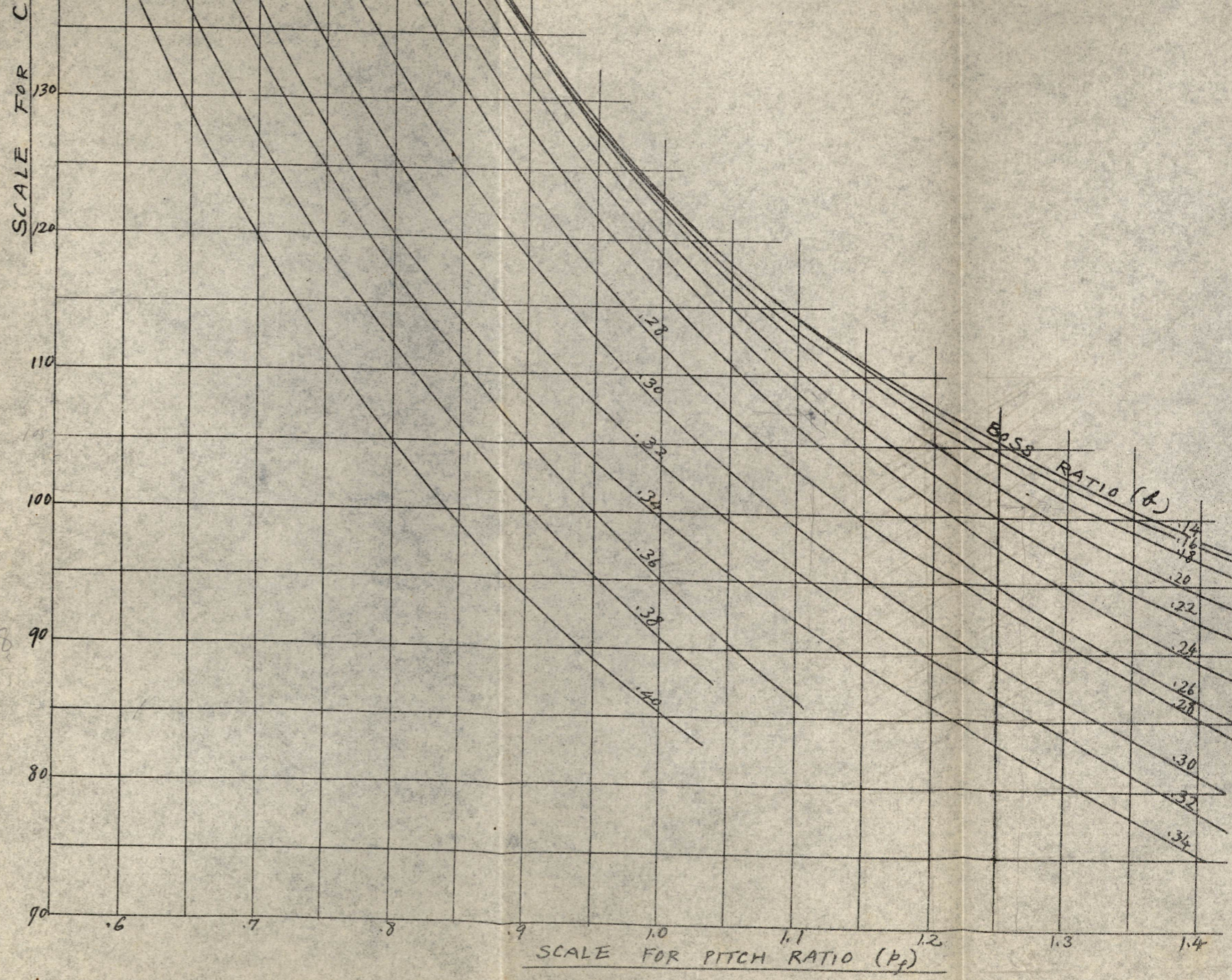
MAXIMUM COMPRESSIVE STRESS IN SCREW PROPELLER BLADE

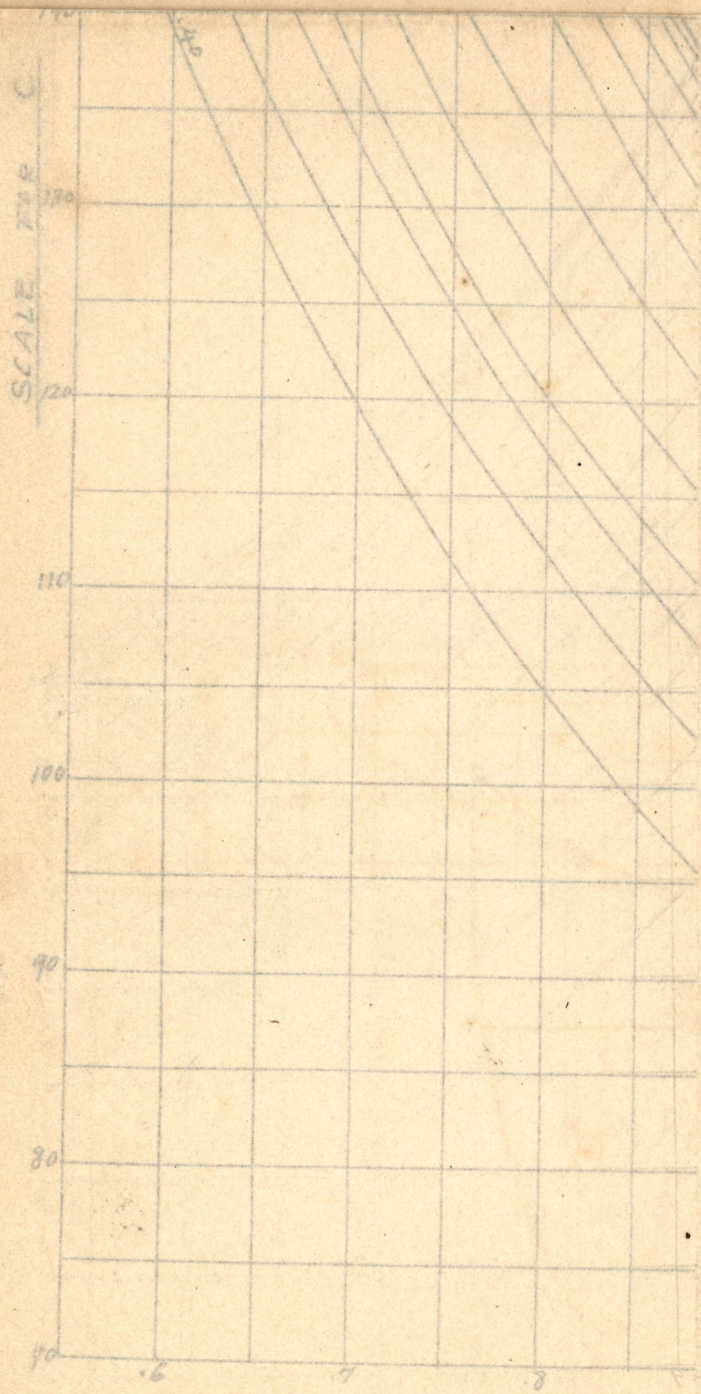
$$S_c = C \times \frac{P}{R} \times \frac{1}{l^2}$$

WHERE, S_c MAXIMUM COMPRESSIVE STRESS IN kg/cm^2 .
 P S.H.P. PER BLADE.
 R R.P.M.
 l LENGTH OF ROOT-SECTION IN m.m.
 C CONSTANT FROM THIS DIAGRAM $\times 11,521,700$



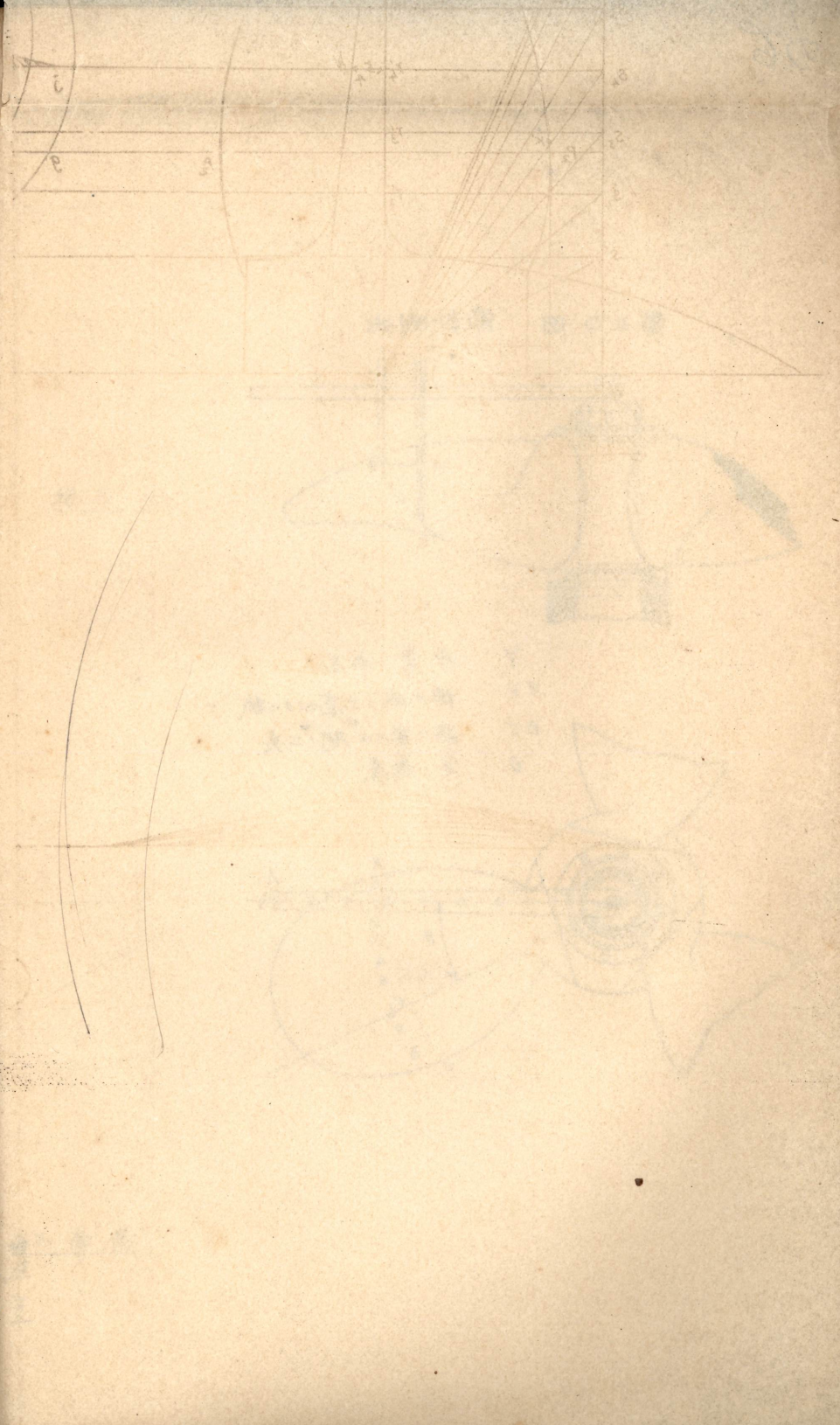
推進
手一



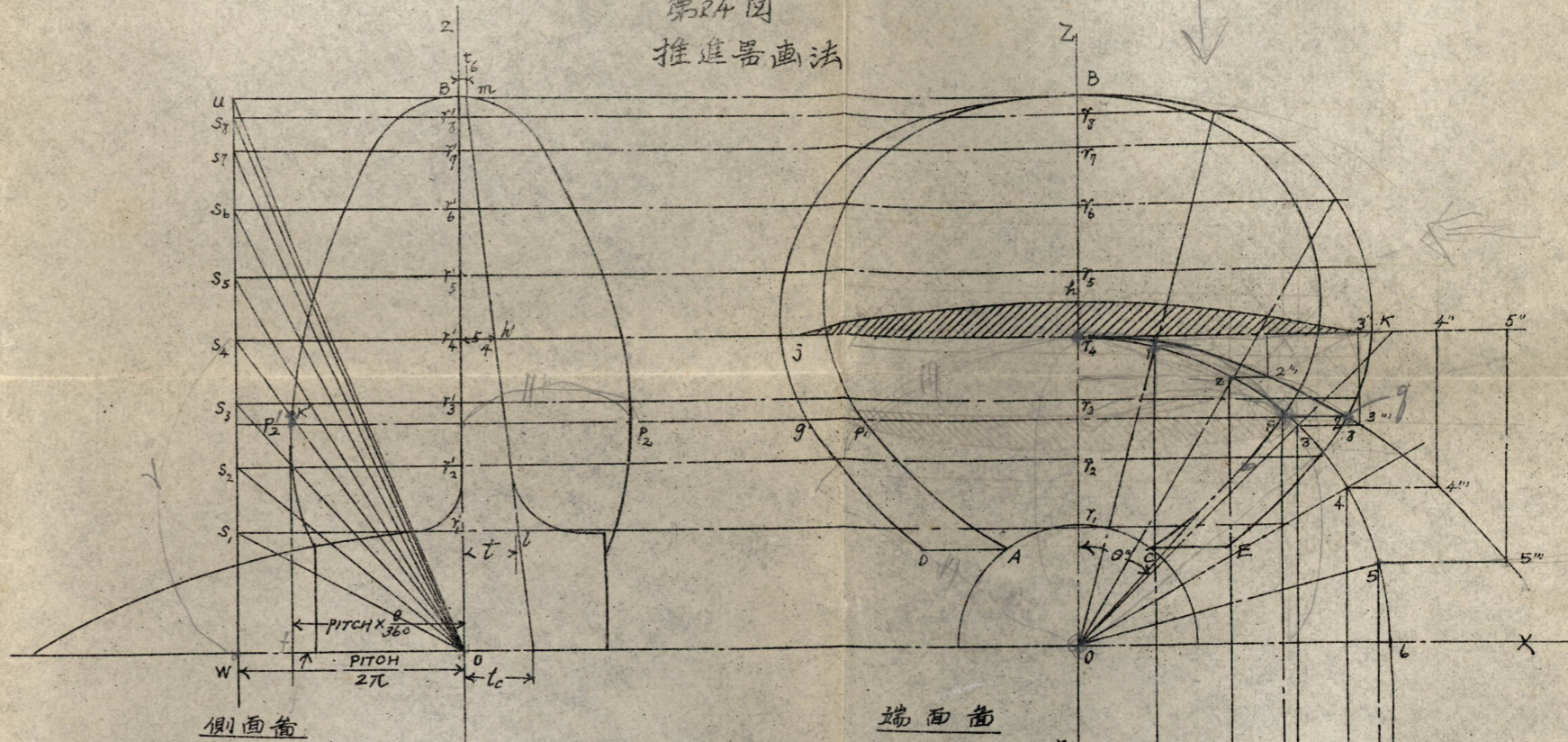


140

140



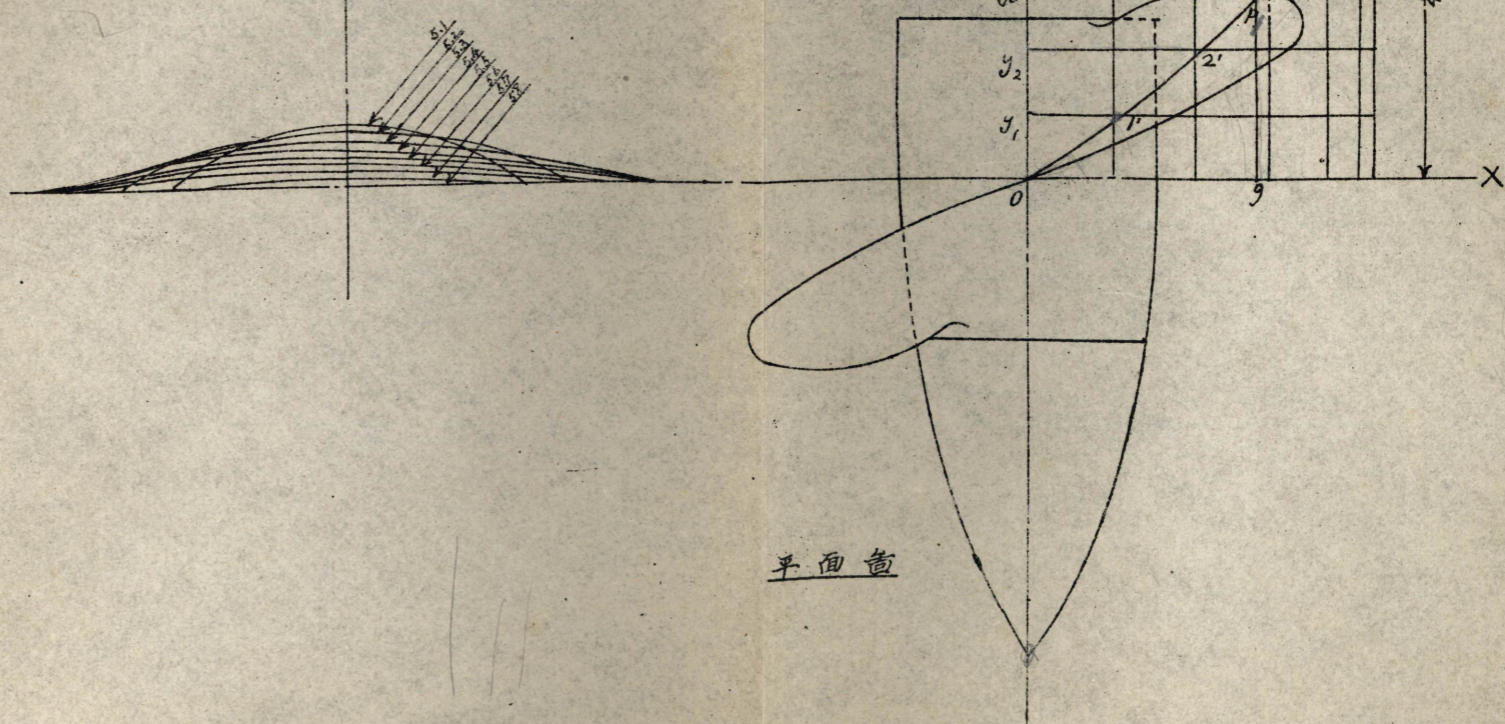
第24图
推进器画法



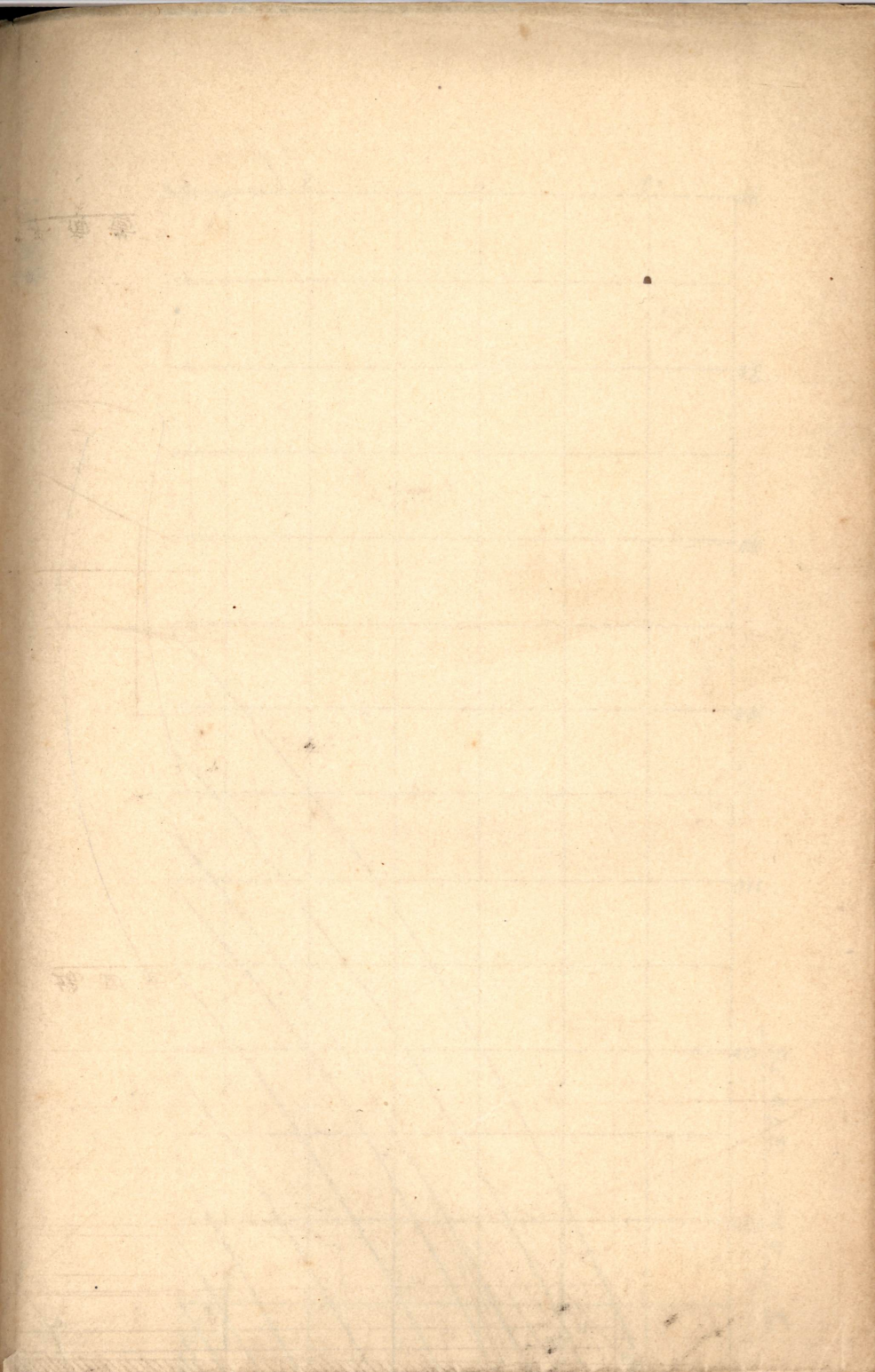
侧面图

端面图

第23图



平面图



24

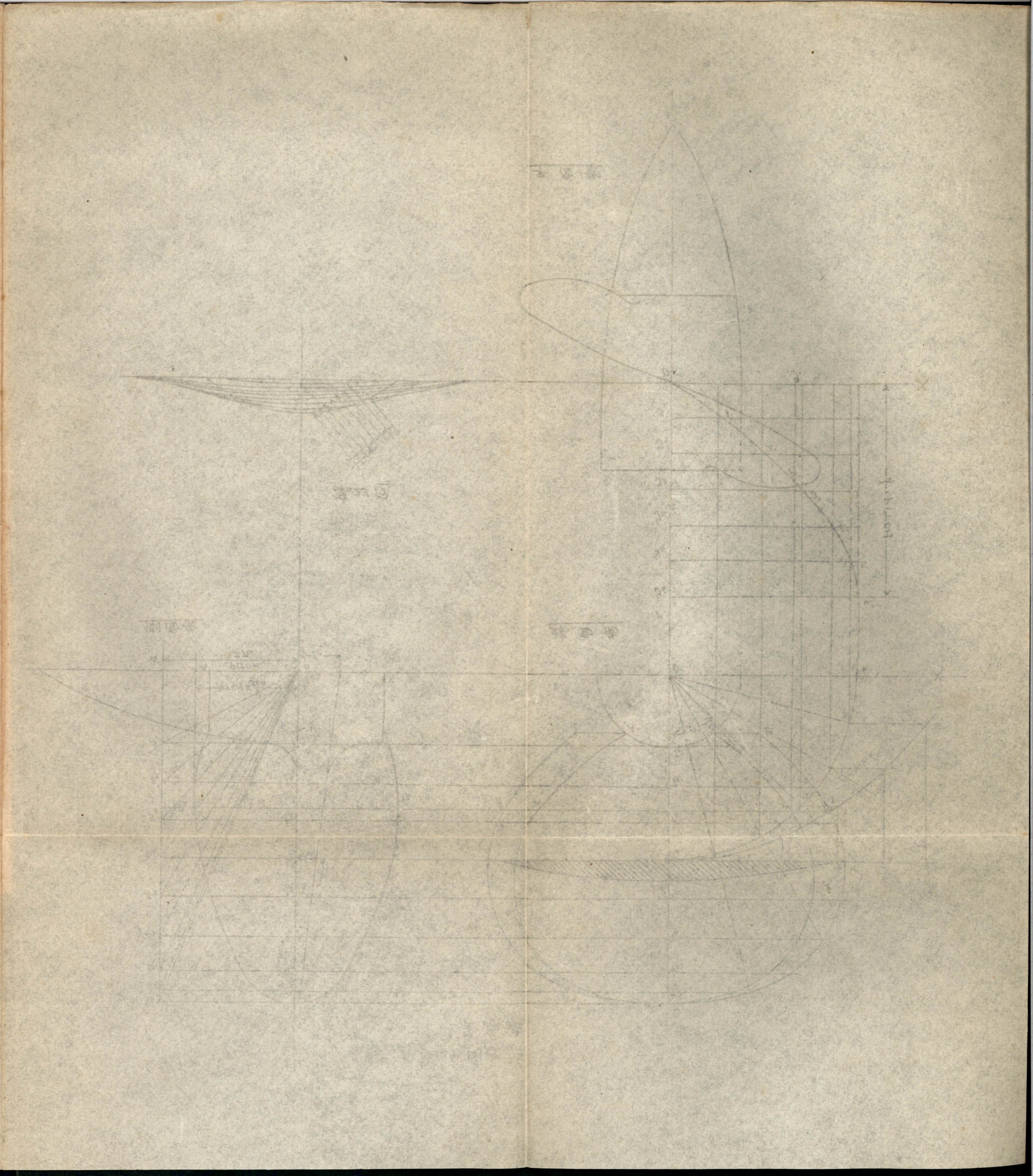


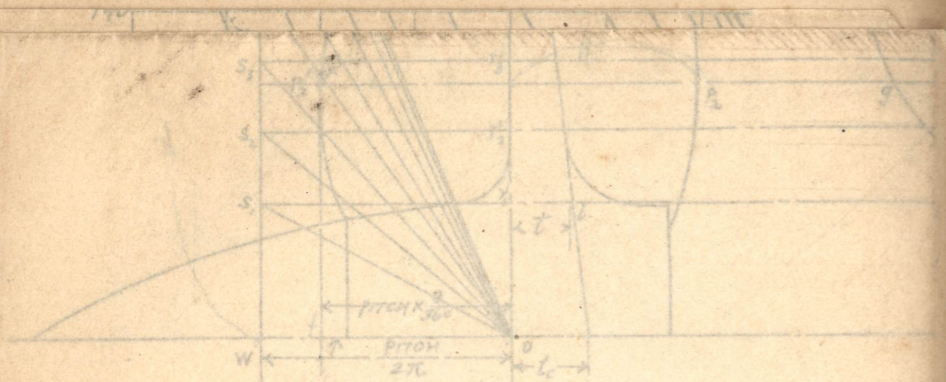
Figure 1

Figure 2

Figure 3

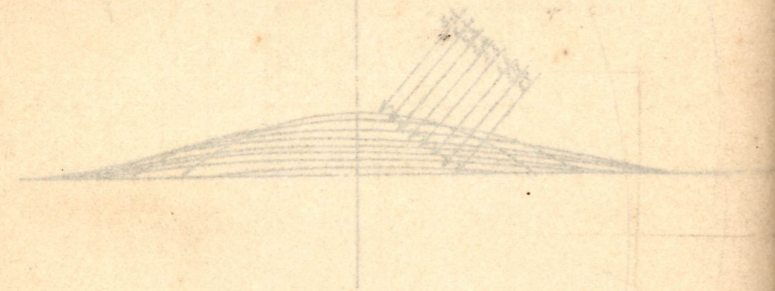
Figure 4

Figure 5

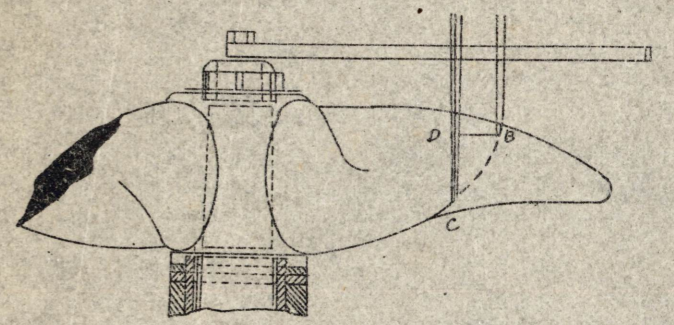


側面圖

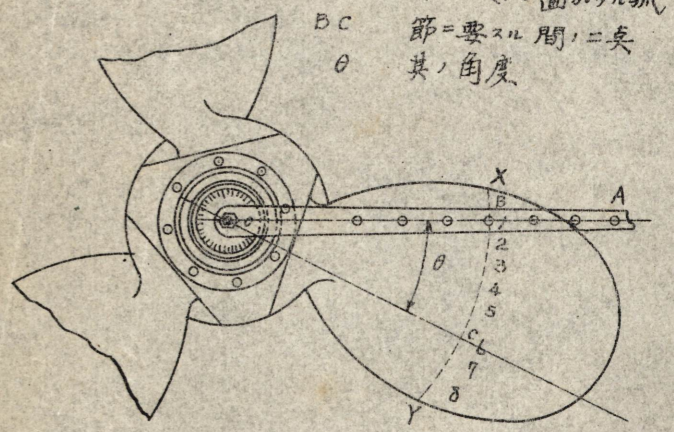
第23圖



第25圖 節計測法



- Y 任意，半徑
- XY 棒=依テ高カシル弧
- BC 節=要スル間，=真
- θ 其ノ角度



推進

山本益老

整理号	
寄贈者名	山本益老
贈日	40.4.16
連号	26.47