

6. DRAWINGS AND DIAGRAMS
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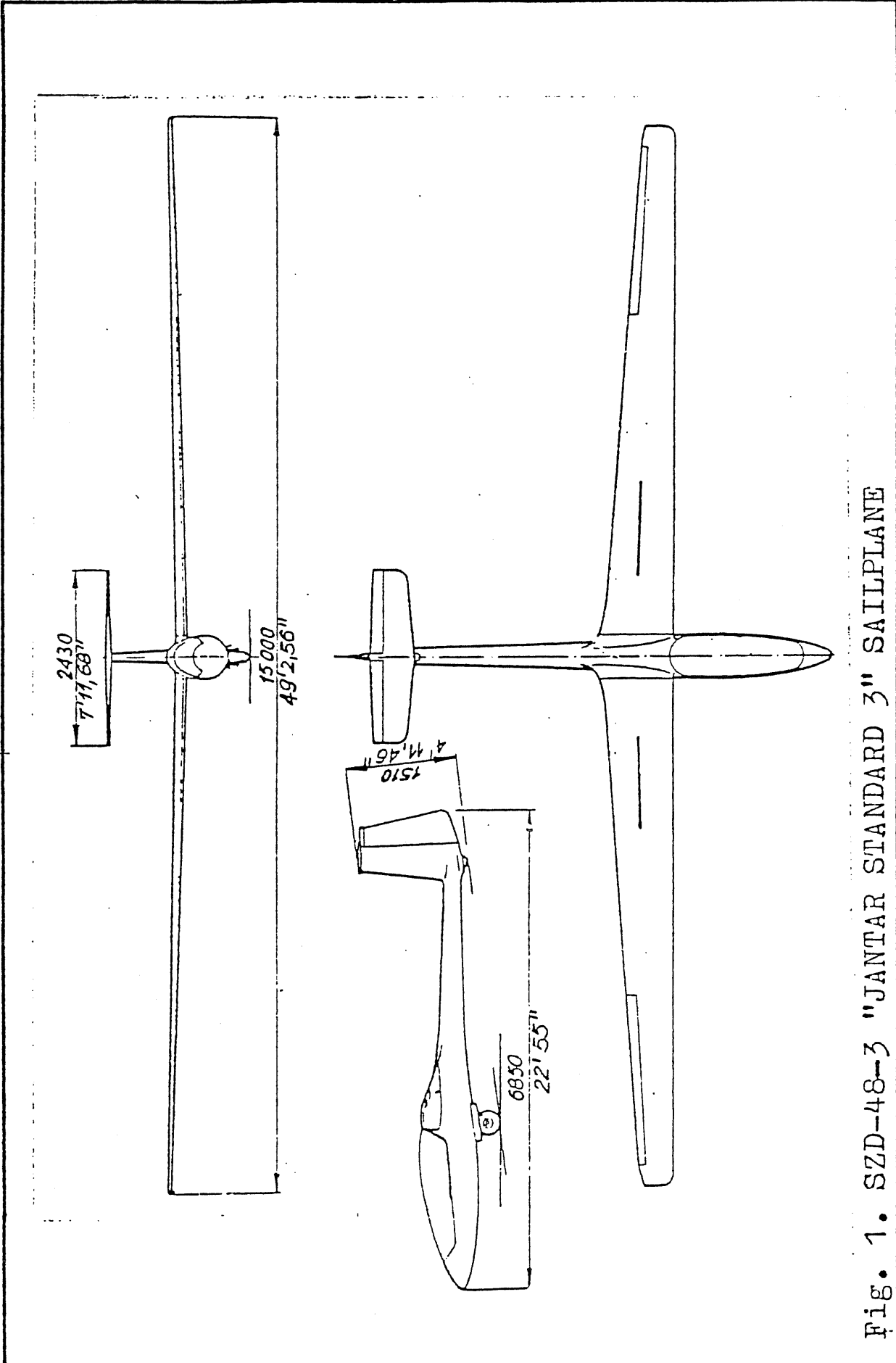


Fig. 1. SZD-48-3 "JANTAR STANDARD 3" SAILPLANE

Fig. 2. Board instrument installation

1. Airspeed indicator PR-400 S
2. Altimeter W-10S /or W-12S/
3. Variometer WRs-5D
4. Variometer PR-03 /or WRs-5D/
5. Compass BS-1 /or KI-13/
6. Slip and turn indicator EZS-3
7. Static pressure port /panel end
of duct red/
8. Total pressure port/panel end
of duct green/
9. Nest for the additional port of
total pressure /duct end yellow/
10. Kompensator KWEC
11. Batteries
12. Switch
13. Drainage unit
14. Pneumatic connector

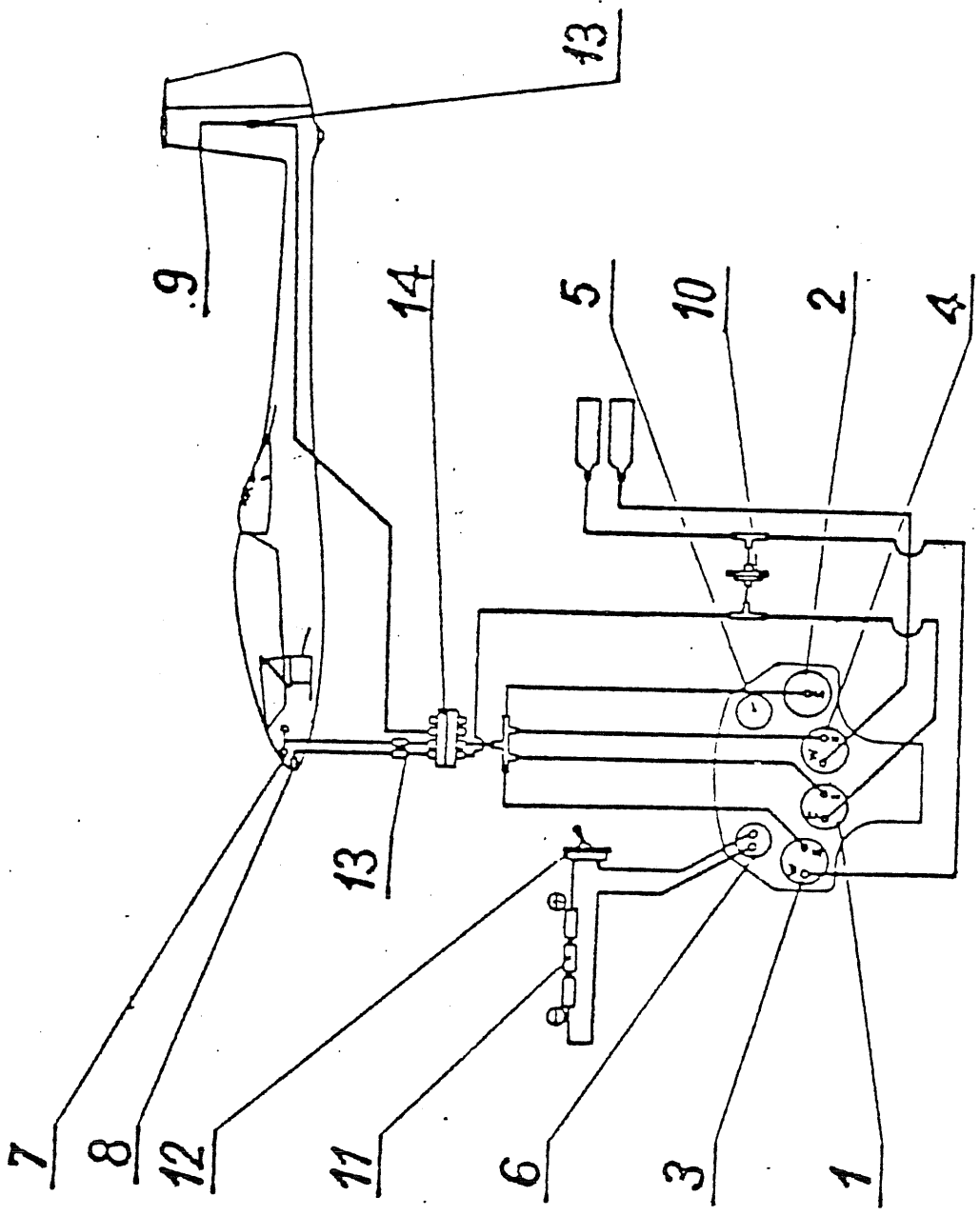


Fig. 2.

Fig. 3. Ballast installation

1. Tanks
2. Torque tube of valve control
3. Handle
4. Valves
5. Ball of valve handle
6. Funnels

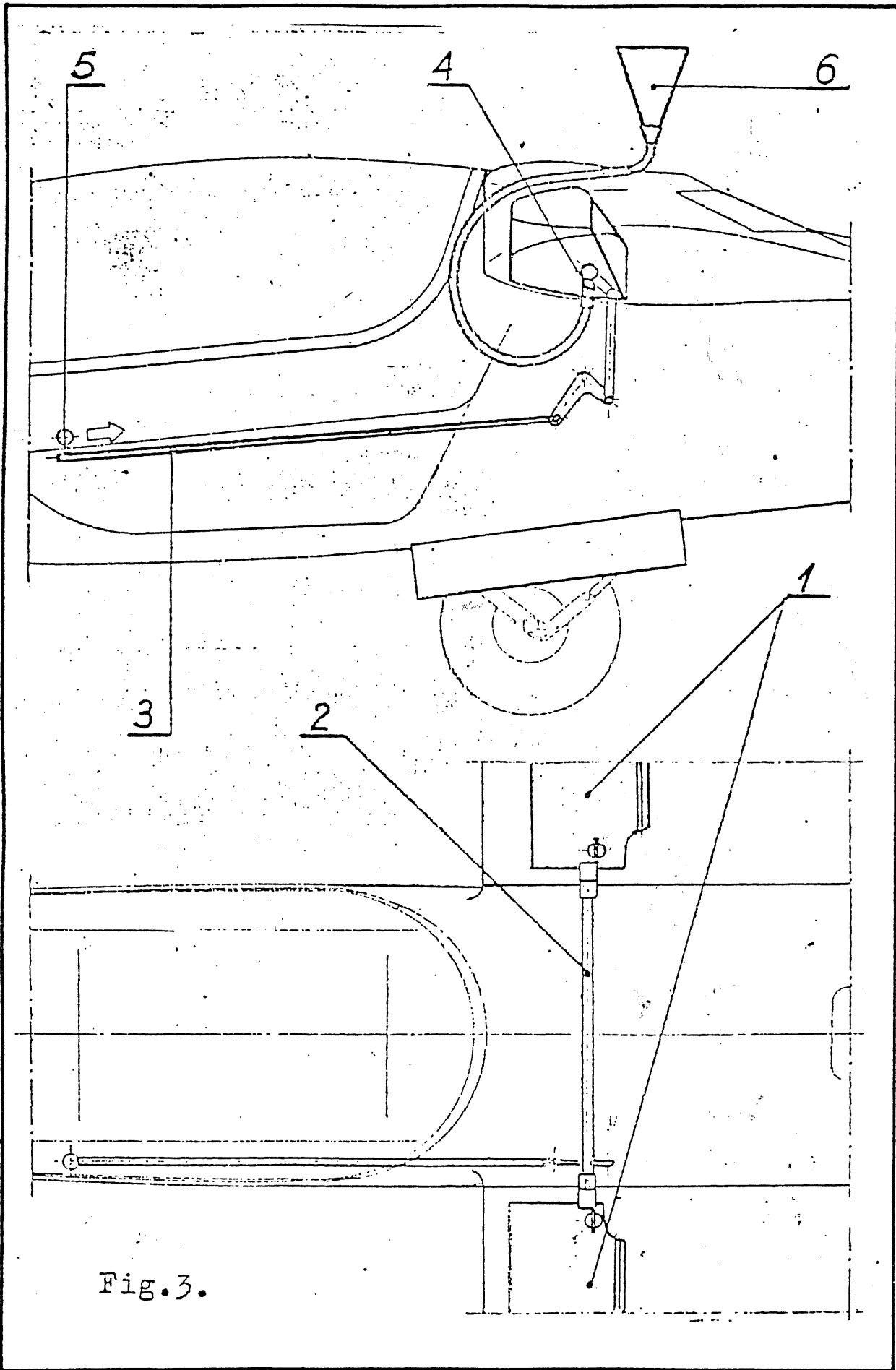


Fig.3.

Fig. 4. Performances of SZD-48-3
JANTAR STANDARD 3

/standard condition without special finish/

a/ Speed polar for the sailplane without
water ballast

$$Q = 326 \text{ kg } / 719 \text{ lb/}$$
$$\text{wing loading } 30,6 \text{ kg/m}^2 / 6,27 \text{ lb/ft}^2/$$

b/ Speed polar for the sailplane with water
ballast

$$Q = 535 \text{ kg } / 1179 \text{ lb/}$$
$$\text{wing loading } 50,0 \text{ kg/m}^2 / 10,25 \text{ lb/ft}^2/$$

a'b' - gliding ratio curves with and without
water ballast

h - speed polar for flight with air brake
extend

$$Q = 535 \text{ kg } / 1179 \text{ lb/}$$

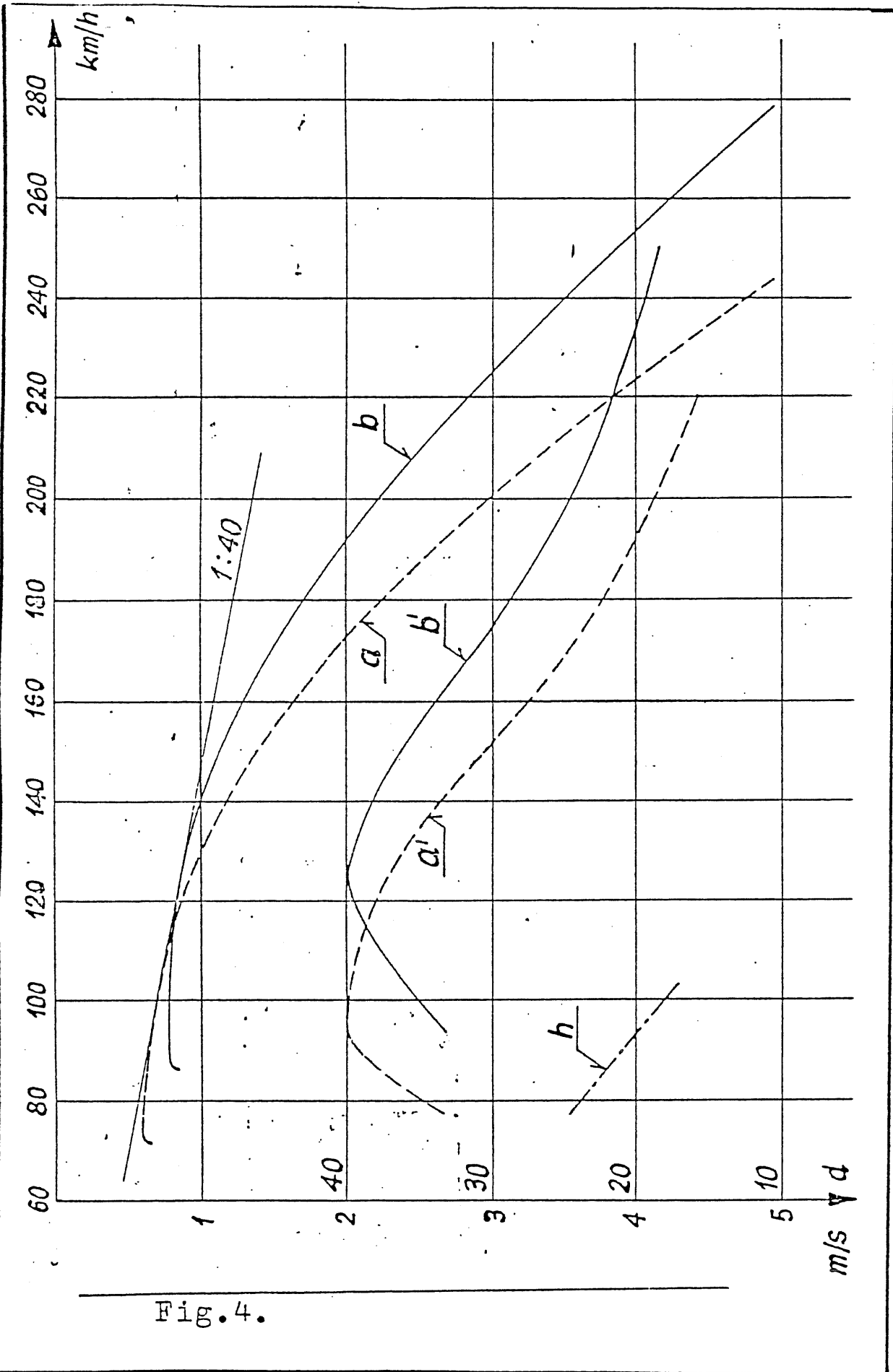


Fig. 4.

Fig. 5. McCready ring for SZD-48-3
JANTAR STANDARD 3 sailplane

○ - Scale for all-up mass
Q = 326 kg / 719 lb/
without water ballast

● - Scale for all-up mass
Q = 535 kg / 1179 lb/
with water ballast

Note:

- Variometer scale of m/s.
- Airspeed indication on McCready ring of km/h.

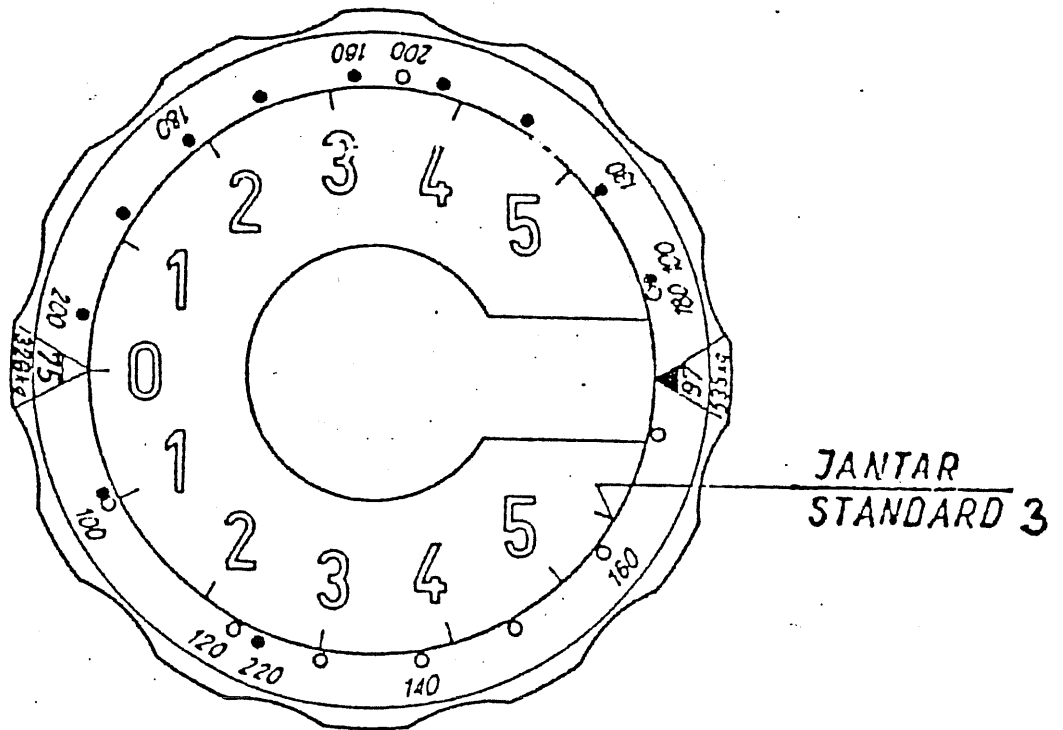


Fig.5.

Fig. 6. Rigging of wing

1. Main bolt
2. Safety pin
3. Framework pivots
4. Ball nests
5. Spar sleeves
6. Spar foots
7. Rigging lever

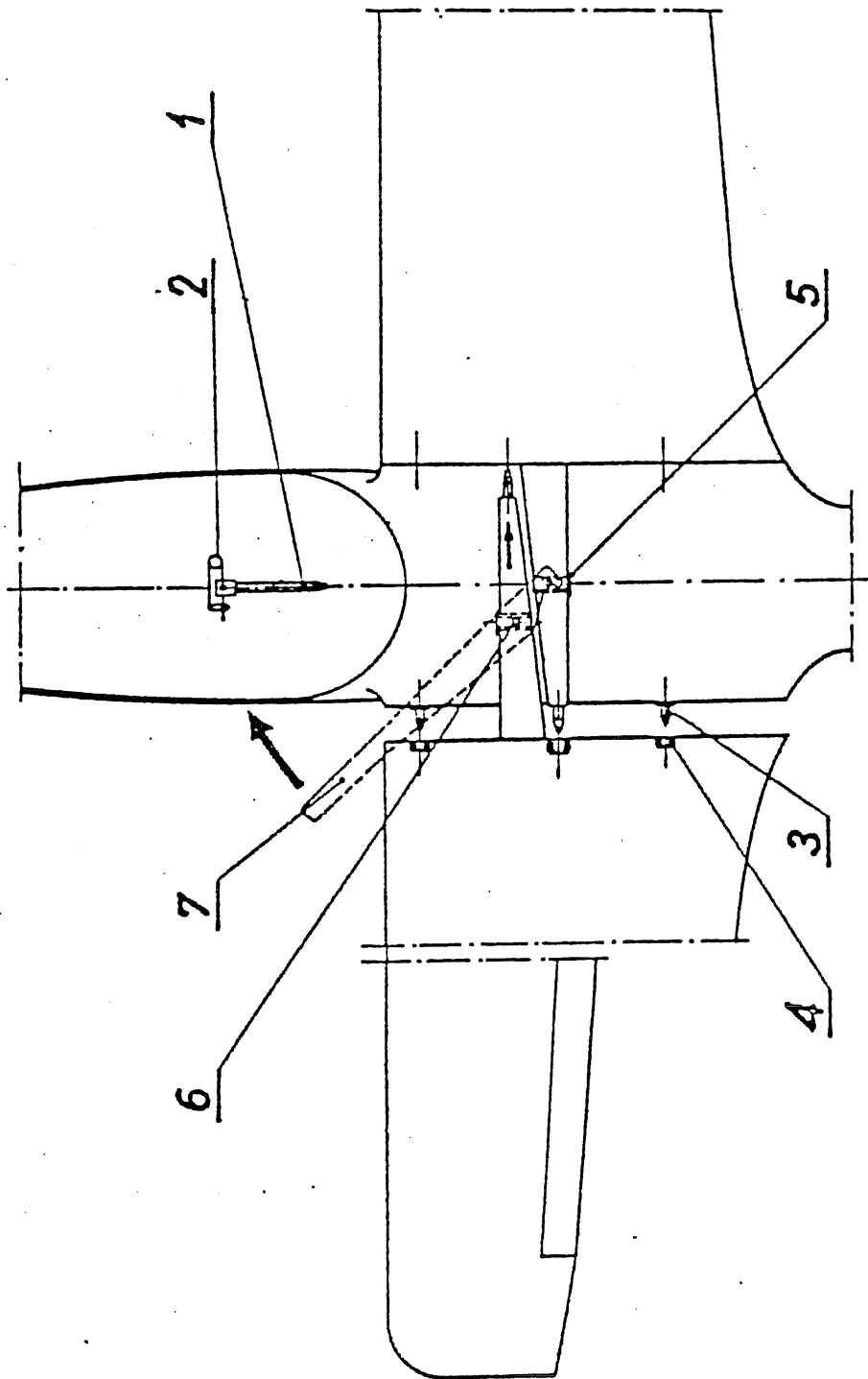


Fig.6.

Fig. 7. Rigging of horizontal tailplane

1. Front fitting
2. Rear fitting
3. Bolt
4. Securing spring
5. Elevator push-rod
6. Elevator lever

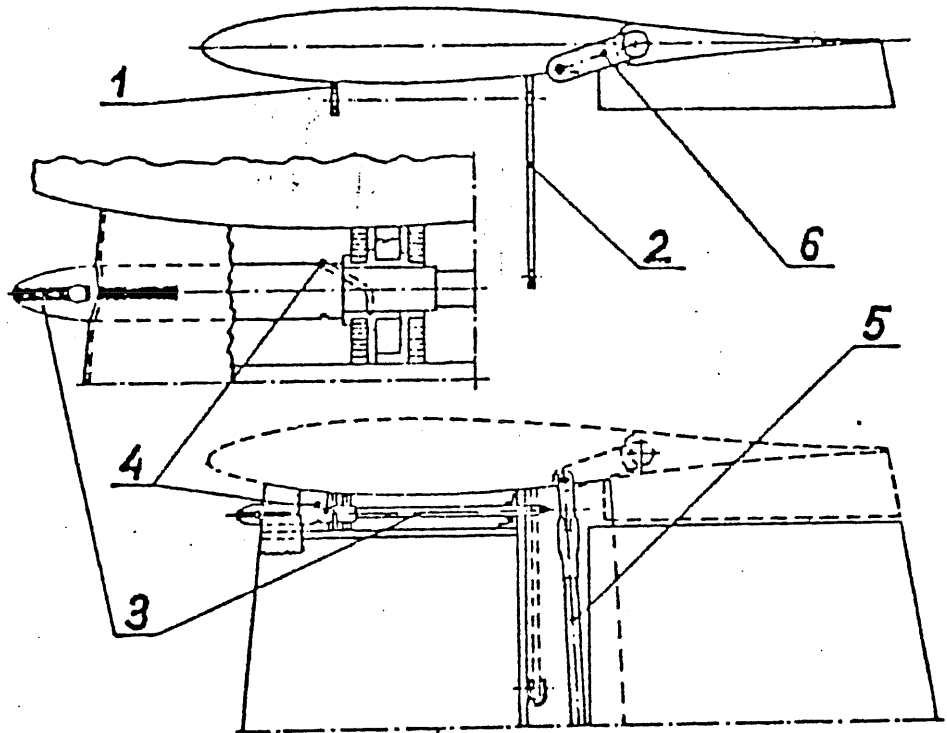
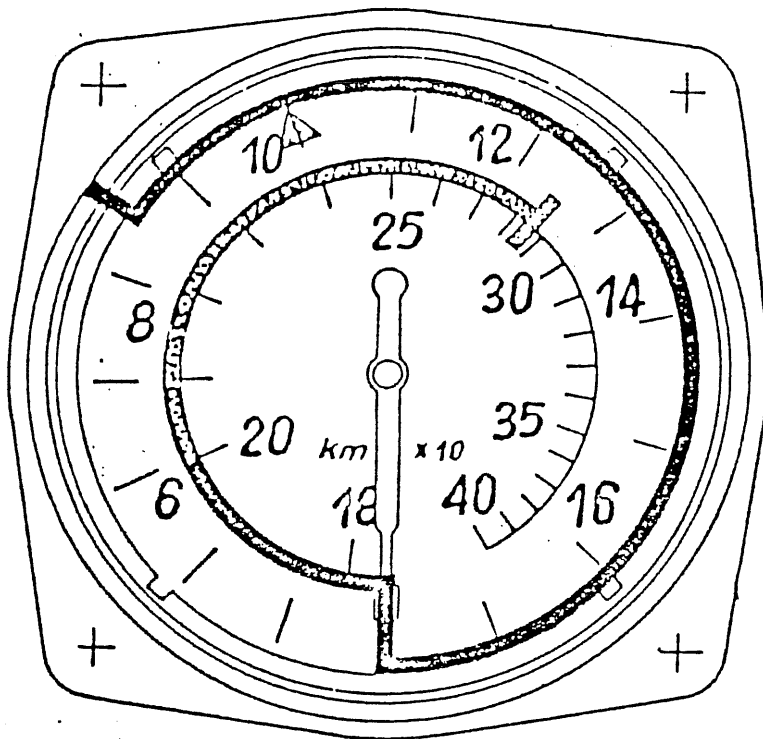


Fig.7.



PR-400S




-  -red
-  -yellow
-  -green

Fig.8.Airspeed indicator color code.

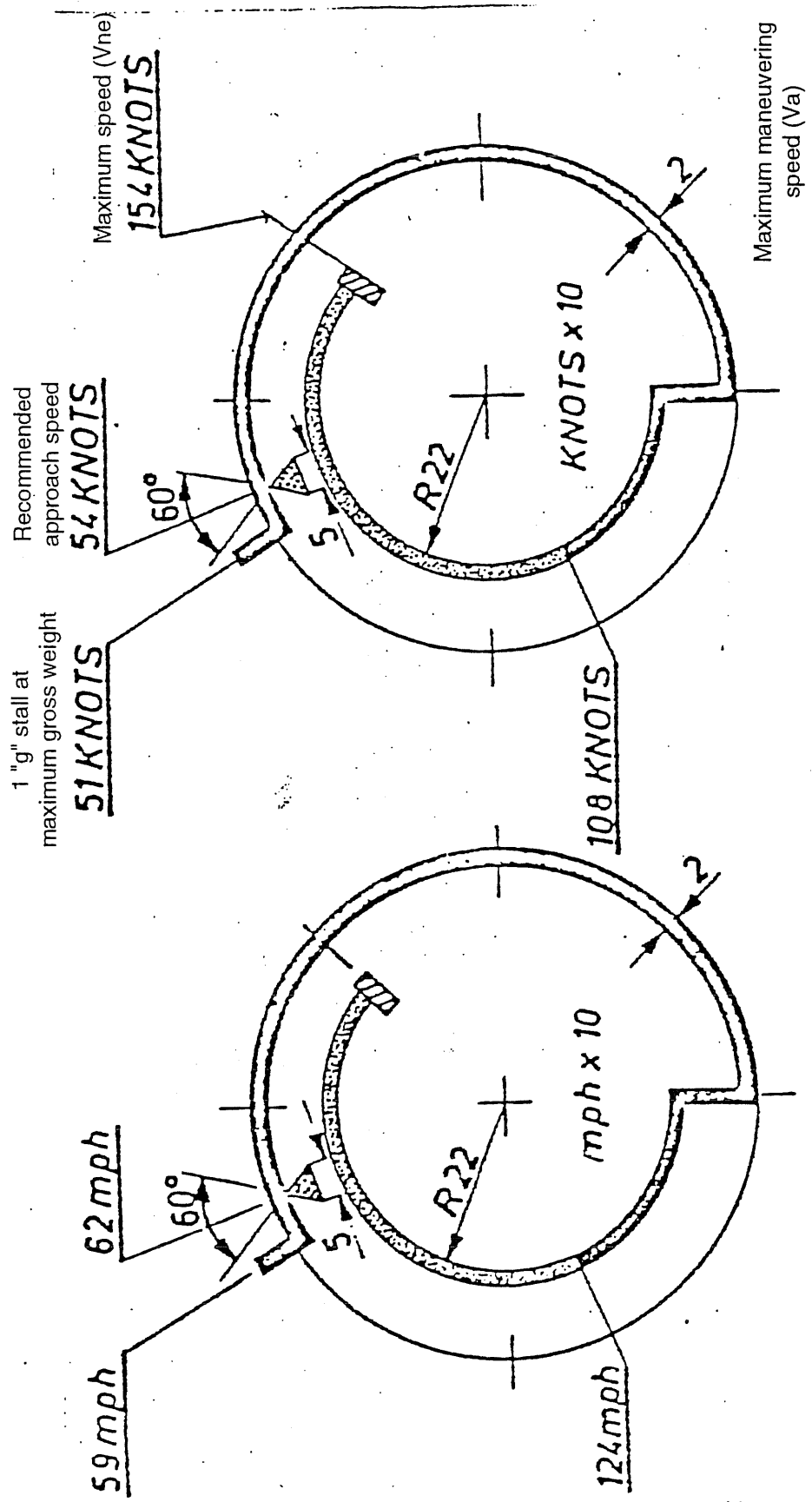


Fig. 8.