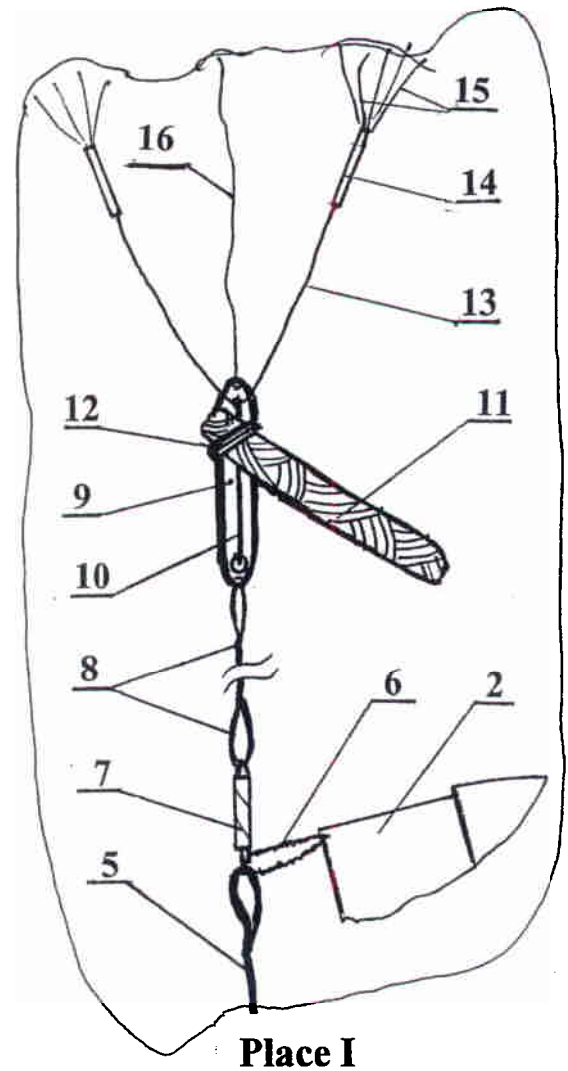
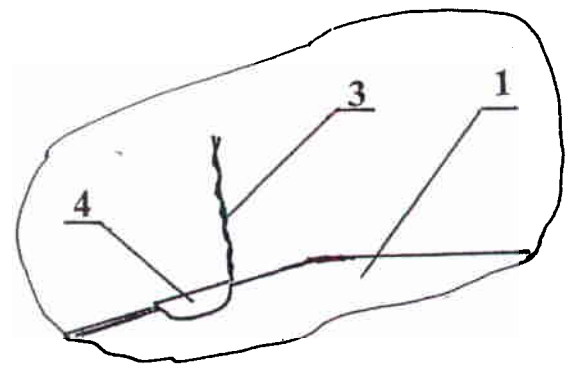


Draw 1



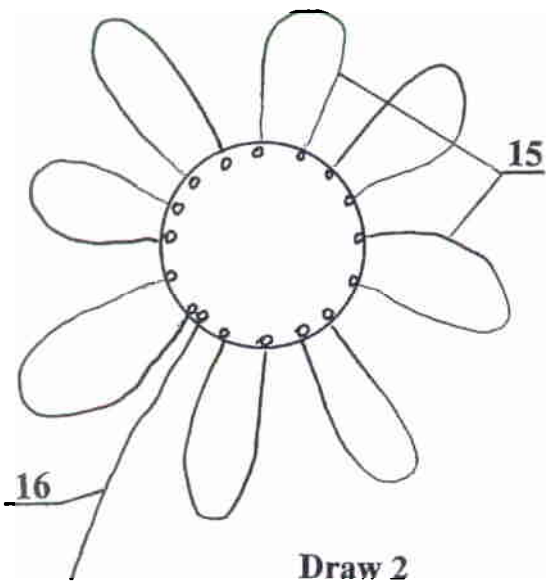
Place I



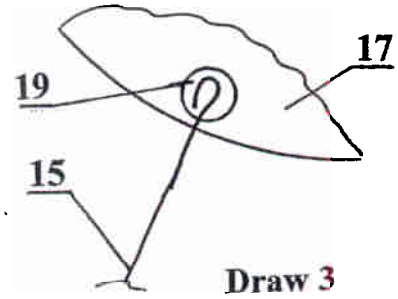
Place II

FAI Parachute Duration Dethermalizer System

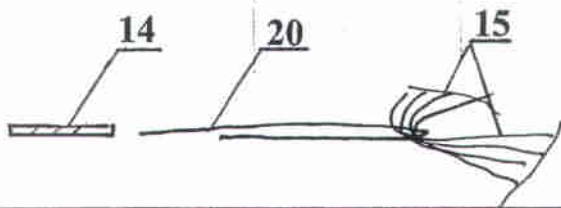
by Alexander Mitiuriev
past Soviet & Russian WSMC Team Member
Drawn 2006



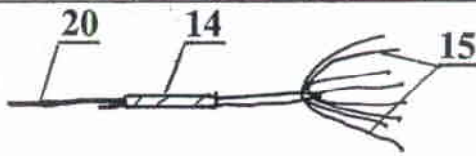
Draw 2



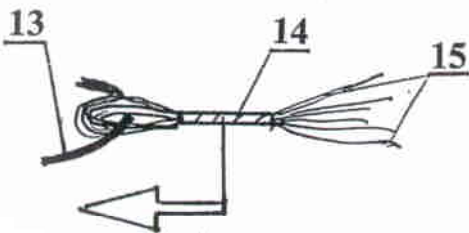
Draw 3



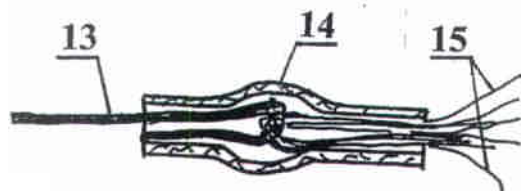
Draw 4.A



Draw 4.B

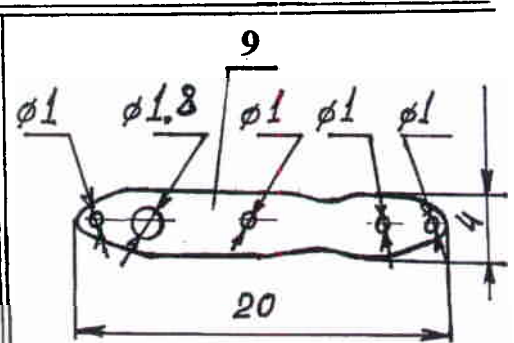


Draw 4.C

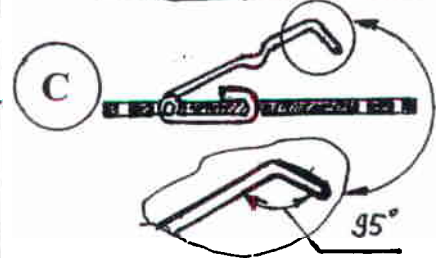
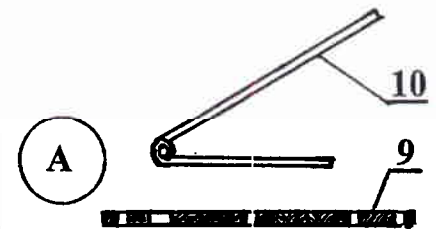


Draw 4.D

Enlarged, CrossSection

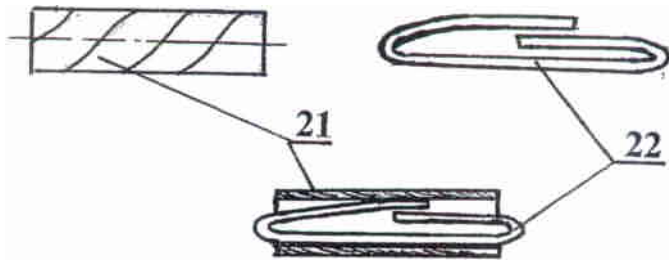


Draw 5

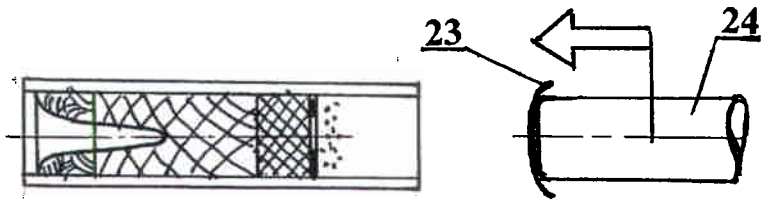


Epoxy Glue

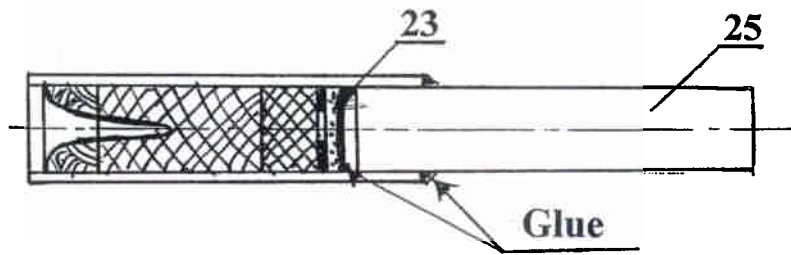
Draw 6



Draw 7



Draw 8



Draw 9

1. Body with fins and burned engine.
2. Nose cone.
3. Kevlar thread. Glued to body along root chord of one fin. Length of the thread: joint knot between the thread and amortization rubber thread (5) shell exceed body's top end by 6-8 cm.
4. Piece of Scotch tape – at the model (body, fins and burned engine) gravity center.
5. Amortization rubber thread ($\sim \varnothing 1. \text{ mm}$), Length $\sim 15 \text{ cm}$.
6. Kevlar thread loop of nose cone.
7. Carbine (See Draw 7): Teflon wire insulation (21), length $\sim 10 \text{ mm}$, $\varnothing 1. \text{ mm}$ and steel wire (22), length $\sim 30 \text{ mm}$, $\varnothing 0.3 \text{ mm}$.
8. Cotton thread, length $\sim 30 \text{ cm}$.
9. Plate of dethermalizer (See Draw 5, 6).
10. Spring of dethermalizer (See Draw 6).
11. Cotton fuse.
12. Capron thread.
13. Cotton thread, length $\sim 9 \text{ cm}$.
14. Teflon wire insulation, length $\sim 10 \text{ mm}$, $\varnothing \sim 0.5 \dots 0.7 \text{ mm}$.
15. Main shroud lines (Capron thread).
16. Additional shroud line (Capron thread).
17. Parachute dome (polyethylentereftalat $\Delta = 3 \text{ mkm}$)
18. Wad (epoxy-fiberglass cylinder with 2 mm balsa bottom).
19. Scotch tape pc.
20. Technological wire (steel cord $\varnothing \sim 0.3 \text{ mm}$). **Tool.**
21. Teflon wire insulation, length $\sim 10 \text{ mm}$, $\varnothing \sim 1.0 \text{ mm}$
22. Steel wire $\varnothing 0.3 \text{ mm}$.
23. Thin paper to cover black powder.
24. Technological cylinder (wood).
25. Paper Cylinder (1 layer of writing paper).