

EO 55-15H-2

ROYAL CANADIAN AIR FORCE



**DESCRIPTION,
MAINTENANCE AND PACKING
PROCEDURES
SURVIVAL KIT LIFERAFT**

**REVISION
NOTICE**

LATEST REVISED PAGES SUPERSEDE
THE SAME PAGES OF PREVIOUS DATE

Insert revised pages into basic publication.
Destroy superseded pages.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

23 SEP 59

Revised 24 Jan 64

LIST OF RCAF REVISIONS

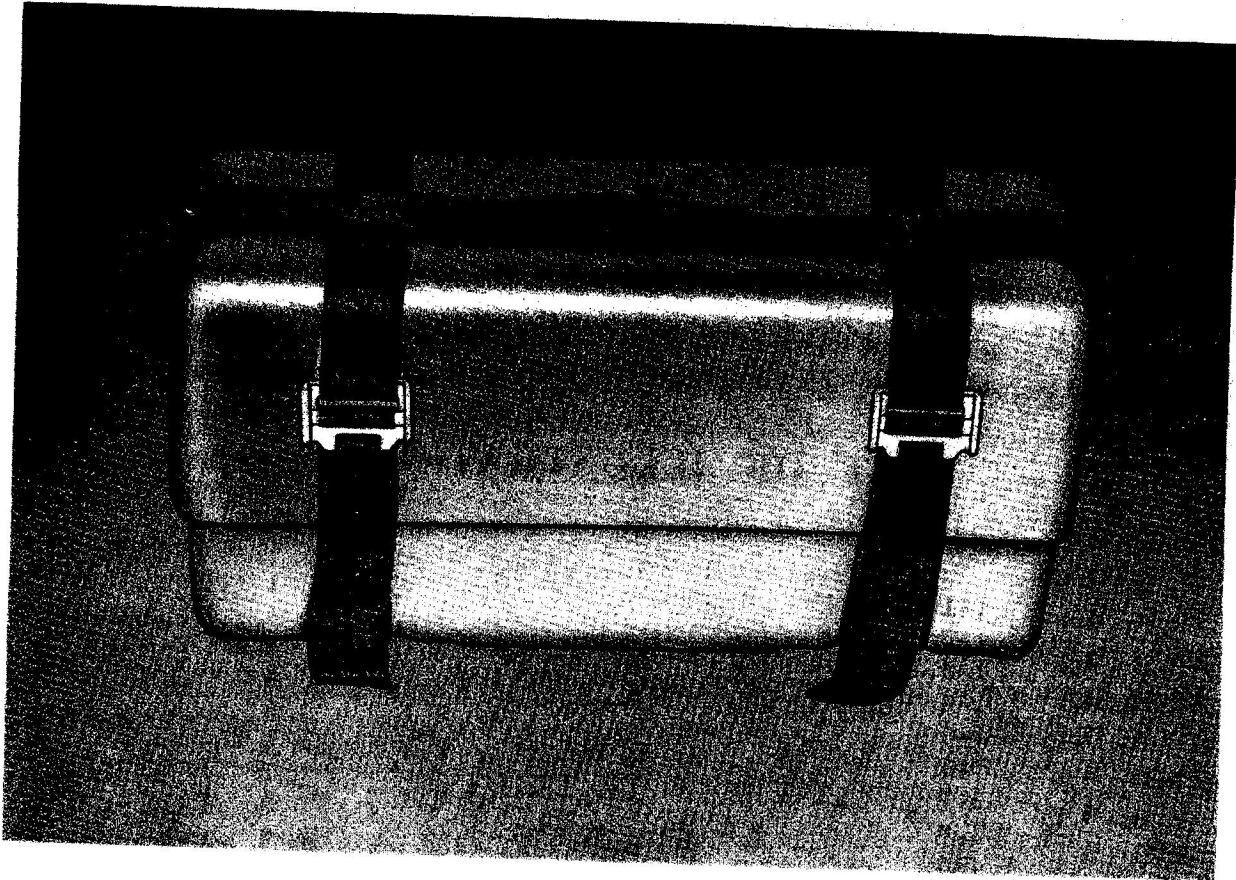
DATE	PAGE NO	DATE	PAGE NO
3 Dec 59	9		
20 Jan 60	9		
14 Mar 60	19		
14 Mar 60	24		
1 Aug 60	19		
1 Aug 60	20		
1 Aug 60	20A		
26 May 61	i		
26 May 61	27		
26 May 61	28		
26 May 61	29		
26 May 61	30		
6 Jul 61	25		
24 Jan 64	25		
24 Jan 64	27		

TABLE OF CONTENTS

PART	TITLE	PAGE
1	PACKING PROCEDURE SURVIVAL KIT LIFE RAFT REF. 15D/207	1
	GENERAL	1
	PACKING PROCEDURE	1
2	PACKING INSTRUCTIONS LIFE RAFT SUPPLEMENTARY KIT	11
	GENERAL	11
3	PACKING LIFE RAFT SUPPLEMENTARY KIT IN LIFE RAFT	19
4	INSPECTION AND MAINTENANCE	25
	PRIMARY INSPECTION	25
	PERIODIC INSPECTION	25
	REPAIRS	25
	STORAGE	25
5	SURVIVAL KIT LIFE RAFT - NEPTUNE AIRCRAFT	27
	GENERAL	27
	PACKING PROCEDURE	27
	INSPECTION	27
	REPAIRS	27
	STORAGE	27

LIST OF ILLUSTRATIONS

FIGURE	PAGE
1-1	1
1-2	2
1-3	3
1-4	4
1-5	5
1-6	6
1-7	7
1-8	8
1-9	9
2-1	12
2-2	13
2-3	14
2-4	15
2-5	16
2-6	17
3-1	19
3-2	20
3-3	21
3-4	22
3-5	23
3-6	24
5-1	28
5-2	29
5-3	30



PART 1

PACKING PROCEDURE SURVIVAL KIT LIFE RAFT REF. 150/207

GENERAL

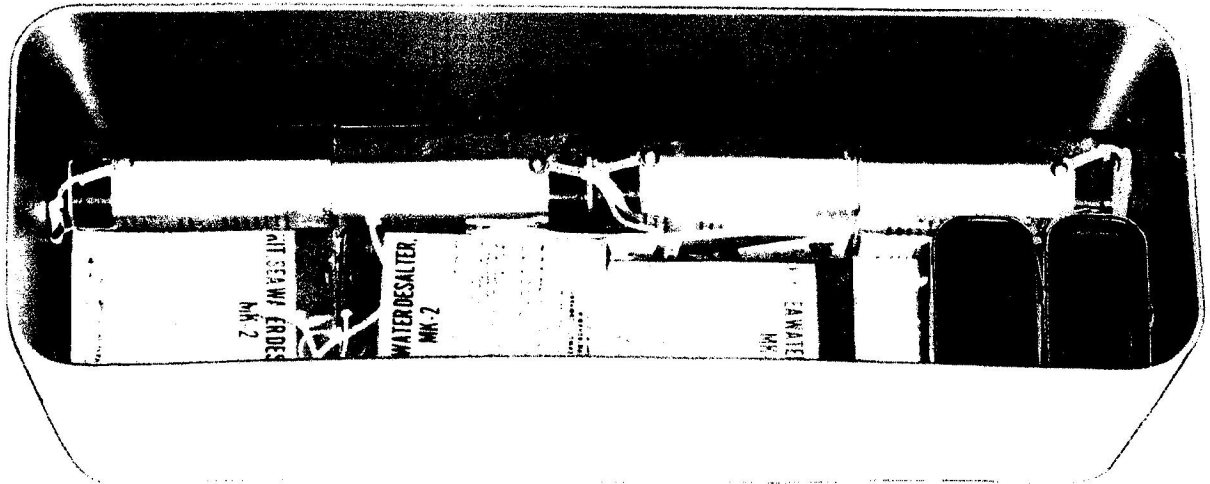
1 This kit has been designed for survival use in conjunction with multi-seat life rafts. The contents are packed in two separate containers, one to be stowed inside the life raft and the other on the aircraft. The two containers are to constitute one kit when packed for service and therefore are to be allotted the same serial number by units.

2 The kit contained in the aircraft is constructed of fibreglas and is designed to contain equipment for either a six, ten or twenty-man life raft. The supplementary kit is manufac-

tured from two ply rubberized canvas having the rubber surfaces facing each other between the canvas. This kit contains the same equipment regardless of what type of life raft it is packed for and is packed inside the raft. The contents are as per the latest checking list K63/CAP650.

PACKING PROCEDURE

3 The following packing procedure is for a twenty-man kit. The packing for the ten or six-man kit will not be detailed as units should experience no difficulty in packing a lesser amount of equipment.

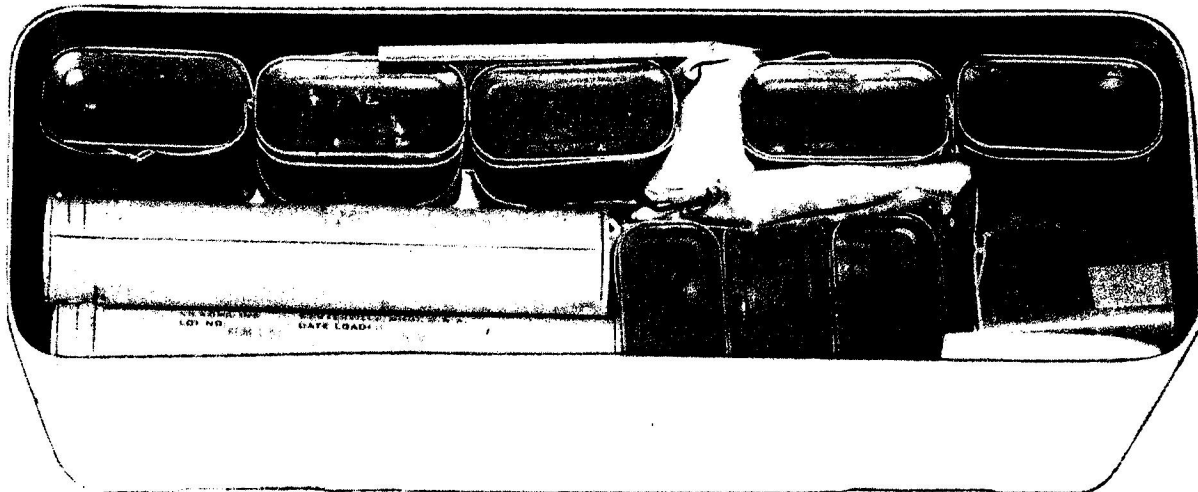


STEP 1

First layer of contents placed on bottom of the container.

1	Desalting kits	ea.	10
2	Rations AFFP3	ea.	2
3	Tissue, soap impregnated.....	ea.	3

Figure 1-1

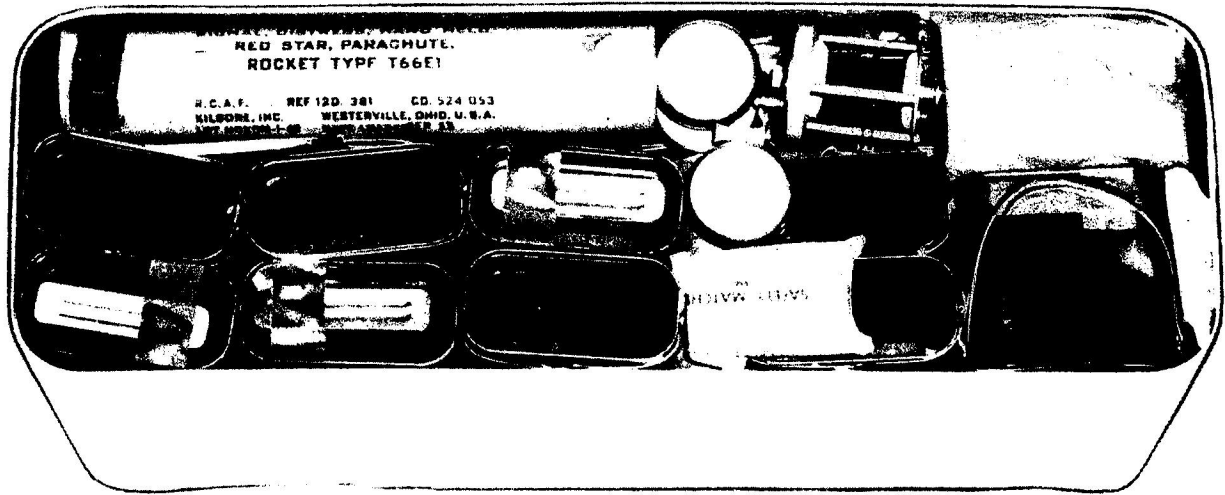


STEP 2

Second layer of contents placed in container.

- 1 Rations AAFP3 ca. 9
- 2 Parachute flare M131 ca. 2
- 3 Balloon floats ca. 4
- 4 Pencil writing HB ca. 1

Figure 1-2



STEP 3

1	Rations AFFP 3	ea.	9
2	Parachute flare M131	ea.	1
3	Paper toilet red	roll	2
4	Sunburn preventive	tin	3
5	Matches windflamer	box	2
6	Reel fishing	ea.	1
7	Book memorandum	ea.	1
8	New Testament	ea.	1

Figure 1-3

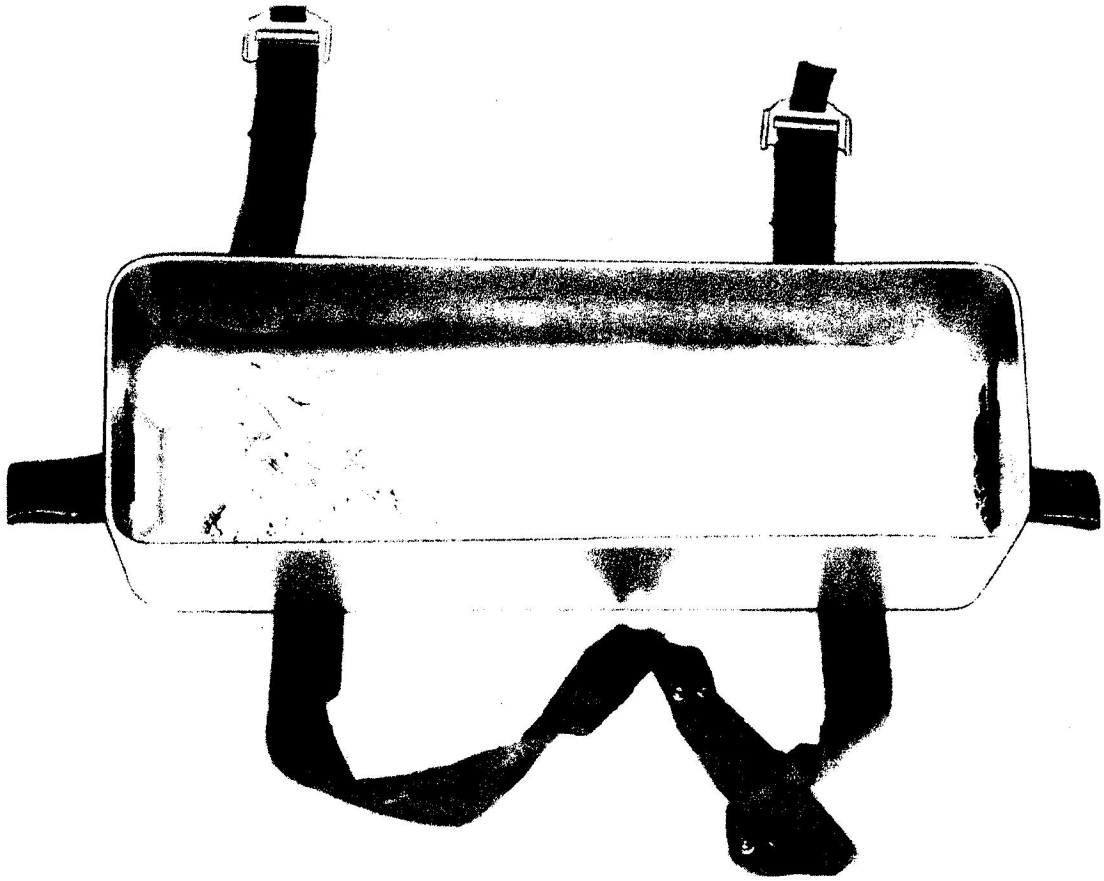


STEP 4

Method of sealing container prior to putting on lid:-

A double sheet of polyethylene is placed over the contents and sealed with Ref. 33G/6 tape adhesive, water resistant backing 2" wide, along the edge of the container.

Figure 1-4

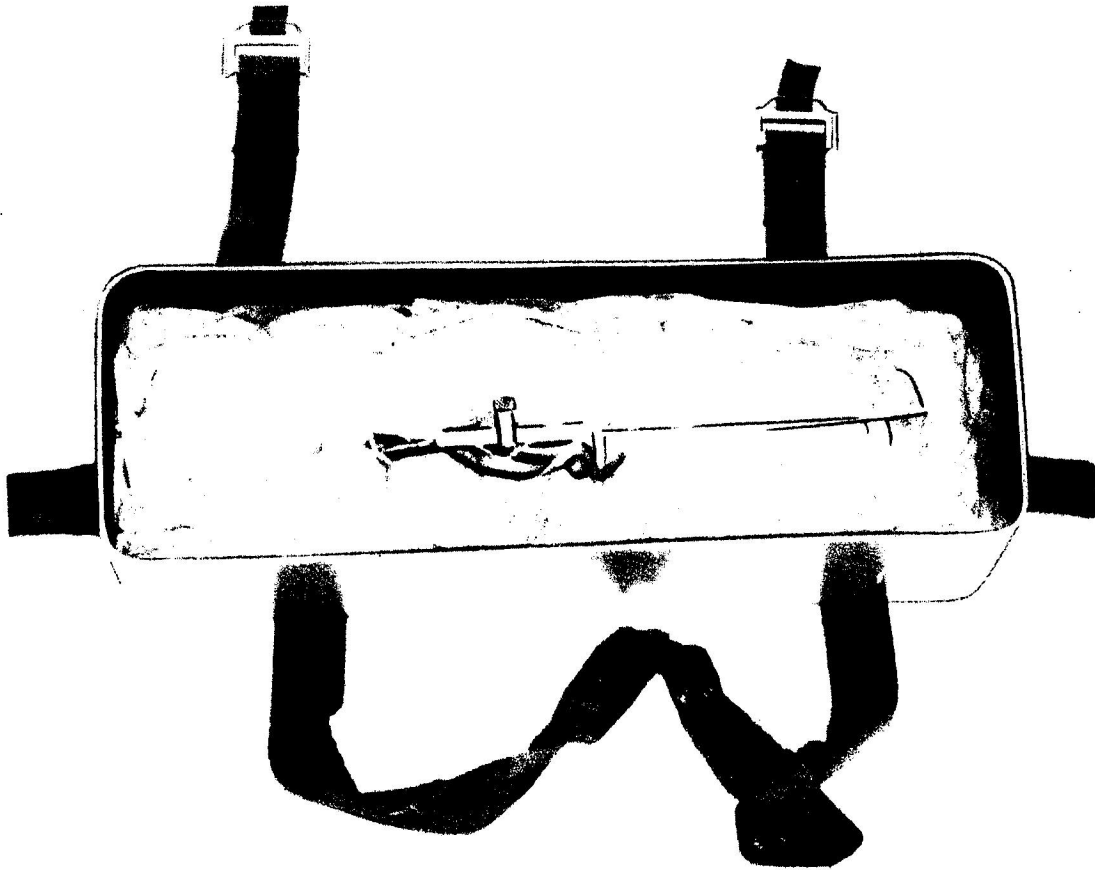


STEP 5

First layer of contents placed in the lid of the container.

1 Net, fishing..... ea. 1

Figure 1-5



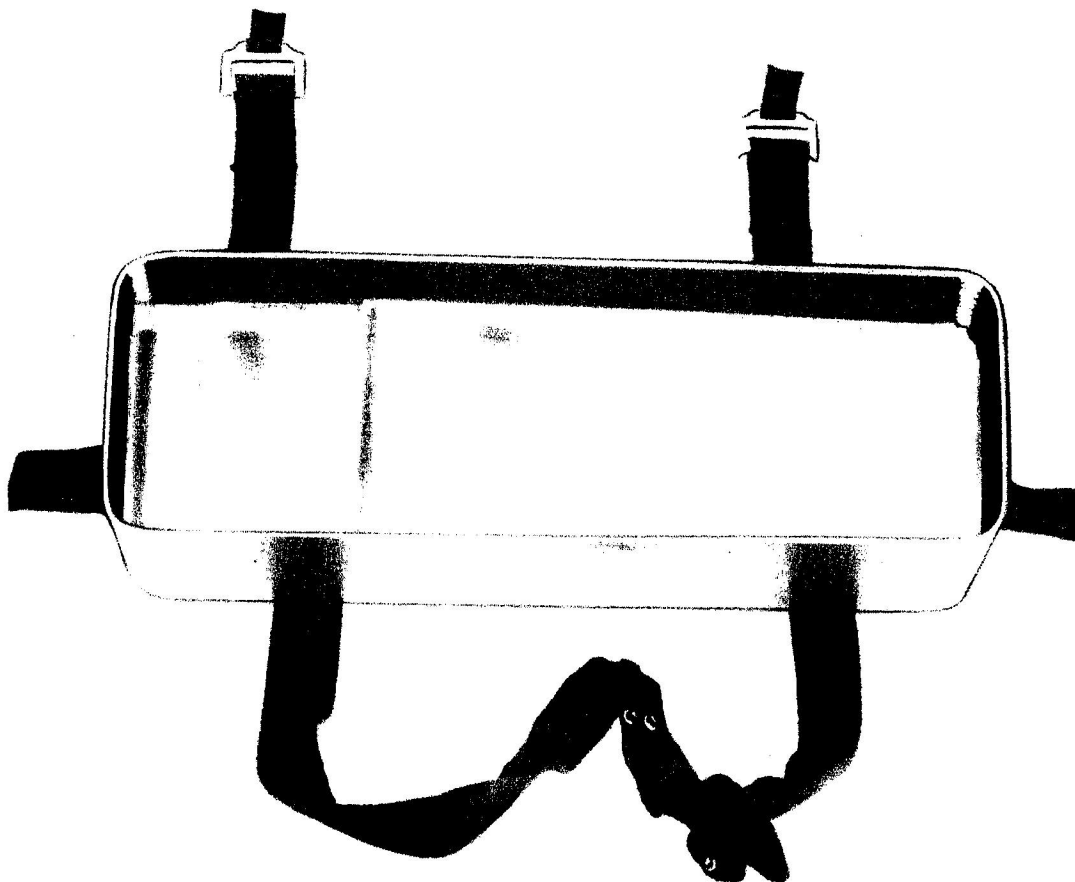
STEP 6

Second layer of contents placed in the lid of the container.

- * 1 Socks woollen pr. 10
- 2 Rod fishing ea. 1

* The socks, woollen, were laid lengthwise in two bundles of 5 pr. and tied for ease of handling. They were placed in a polyethylene bag along with the rod fishing and sealed. This will waterproof the contents in case of a leak in the container.

Figure 1-6

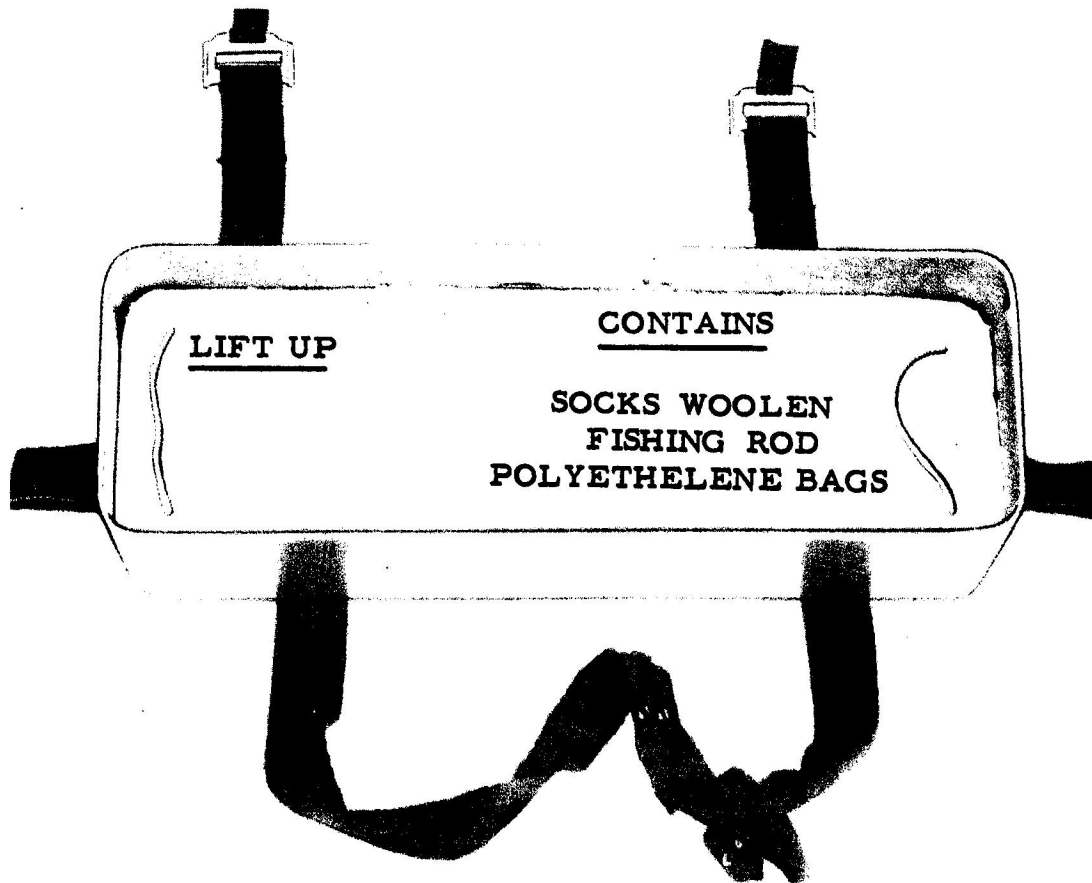


STEP 7

Third layer of contents placed in the lid of the container.

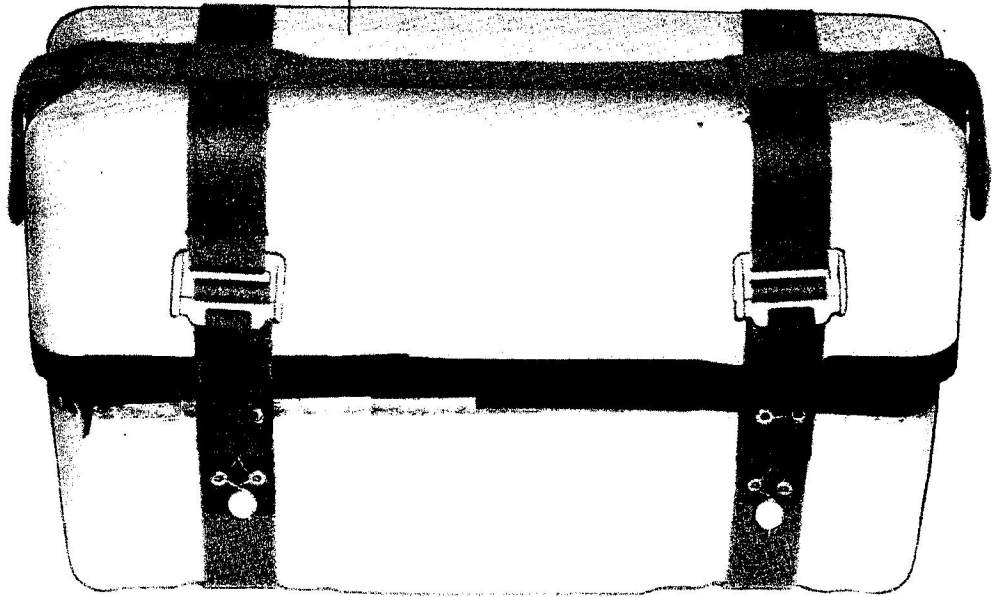
- 1 Bag polyethylene ea. 20

Figure 1-7

**STEP 8**

A cover approximately 21" x 7" x 1/16" is placed on top of the contents in the lid. This will help hold contents in place while closing the lid. Any material such as cardboard or fibre is suitable. A handle made of #8 cord as shown or a pull tab should be attached to the lid for easy removal. The cover should be marked to indicate that it retains equipment.

Figure 1-8

**STEP 9**

When closed and the straps drawn tight this kit should measure approximately 13" in height and weigh approximately 55 lbs. The container is closed with tape Ref. 33G/6 and the straps are safety sealed in accordance with EO 55-15-2 as shown. For six or ten-man kit grommets are to be positioned as required

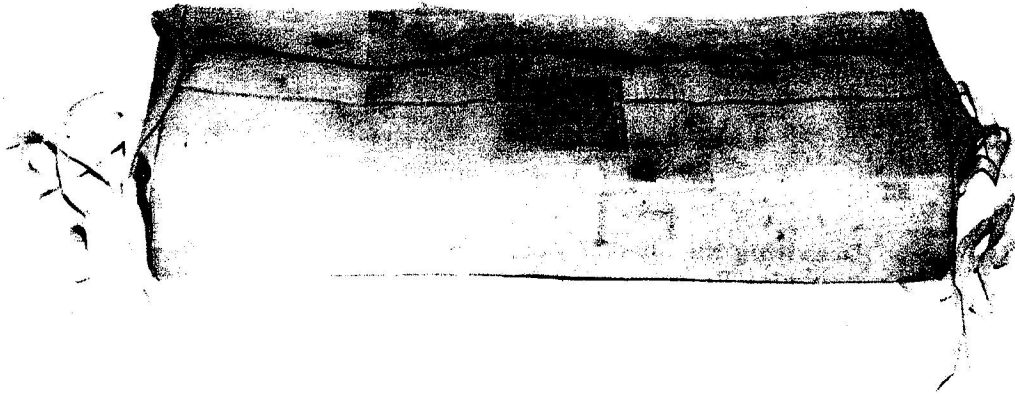
Figure 1-9

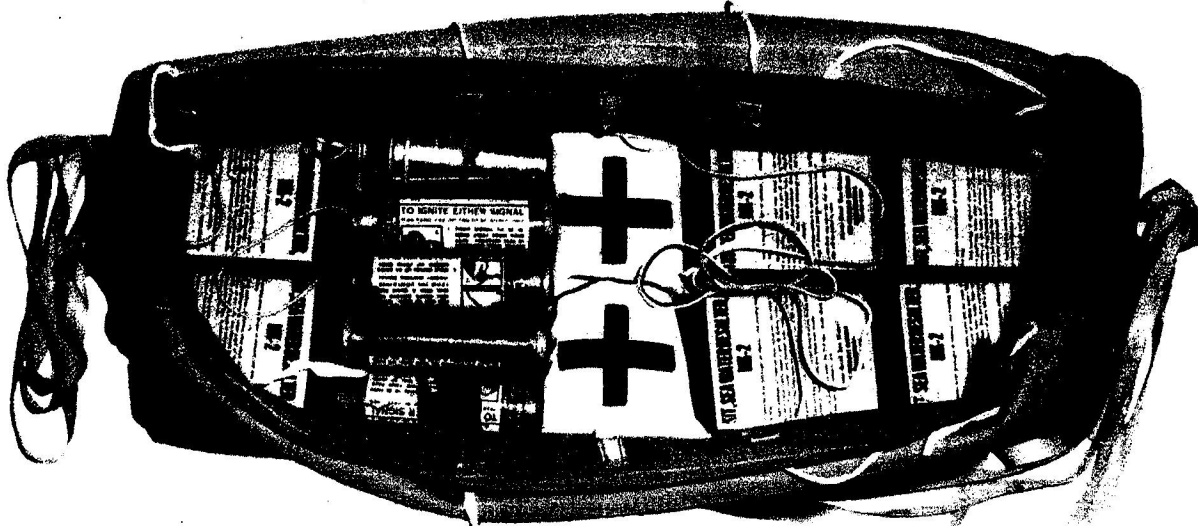
PART 2
PACKING INSTRUCTIONS - LIFE RAFT SUPPLEMENTARY KIT

GENERAL

1 The life raft supplementary kit container 15D/288, has been designed to be used in conjunction with the survival kit aircraft life raft

container 15D/269. The kit is packed with the items of C/L K63/ not packed in the survival kit aircraft life raft. Packing sequence, Figures 2-1 to 2-6, is to be carried out for use with the twenty, ten and six-man life raft.





STEP 1

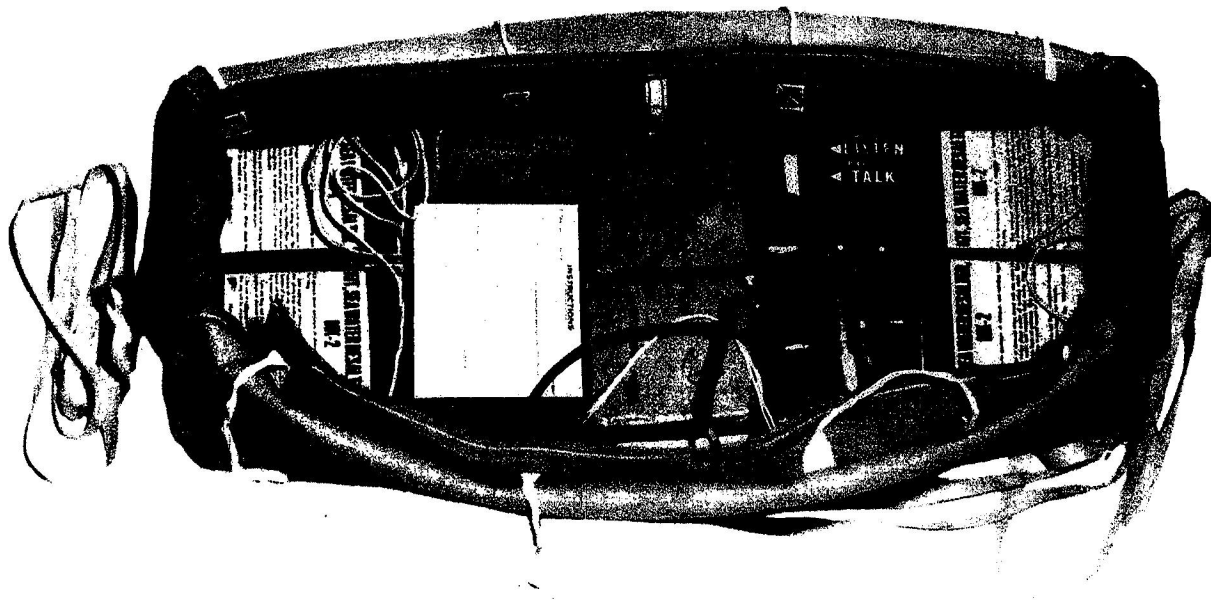
1	Desalting kit	ea. 6
2	Day-nite flare	ea. 4
3	First aid kit	ea. 2
4	Cups drinking	ea. 2
* 5	Leak stoppers	nest 1

* Removed from rat line of life raft.

NOTE

The first aid kits are safety sealed in canvas bags and tape from bags sewn to tie down flaps of container as per EO 55-15-6A/15.

Figure 2-1

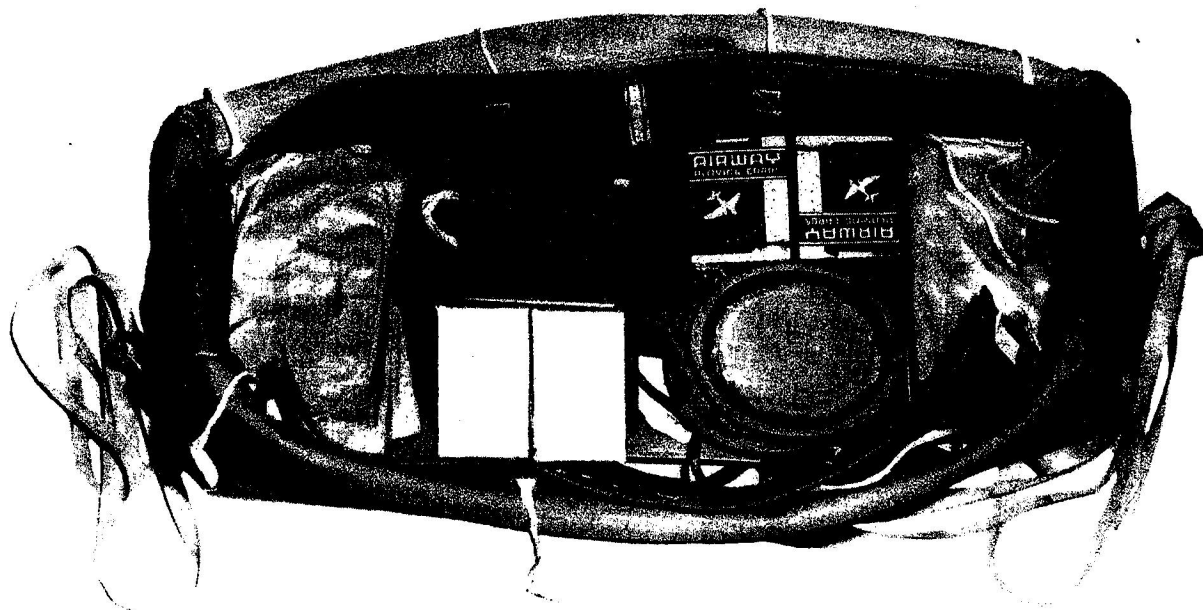


STEP 2

1	Desalting kit	ea. 4
2	Sarah complete with battery	ea. 1
3	Fluorescine block	ea. 2
4	Compass	ea. 1
5	Match container	ea. 1
6	Whistle	ea. 1
* 7	Cement and patching kit	ea. 1

* Removed from bellows bag.

Figure 2-2

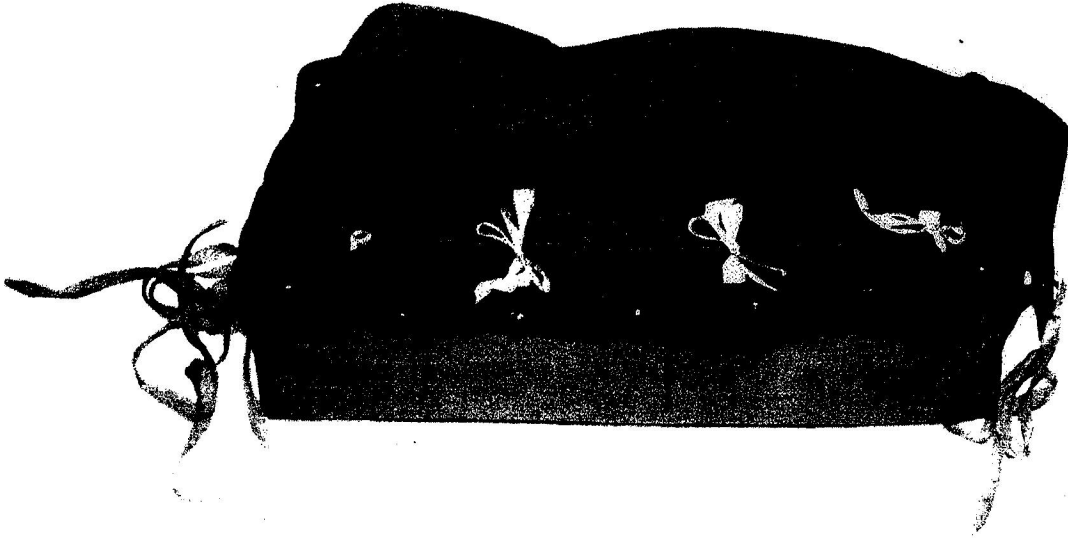


STEP 3

1	Eyeshields	pr.	2
2	CAP 361	ea.	1
3	Compass booklet	ea.	1
4	Cards playing	pkg.	2
5	Heliograph mirror	ea.	1
6	Sponge cellulose 4-1/2" x 3" x 1"	ea.	2
* 7	Bailer	ea.	1
* 8	Water bag	ea.	1
* 9	Life raft manual	ea.	1

* Removed from bellows bag.

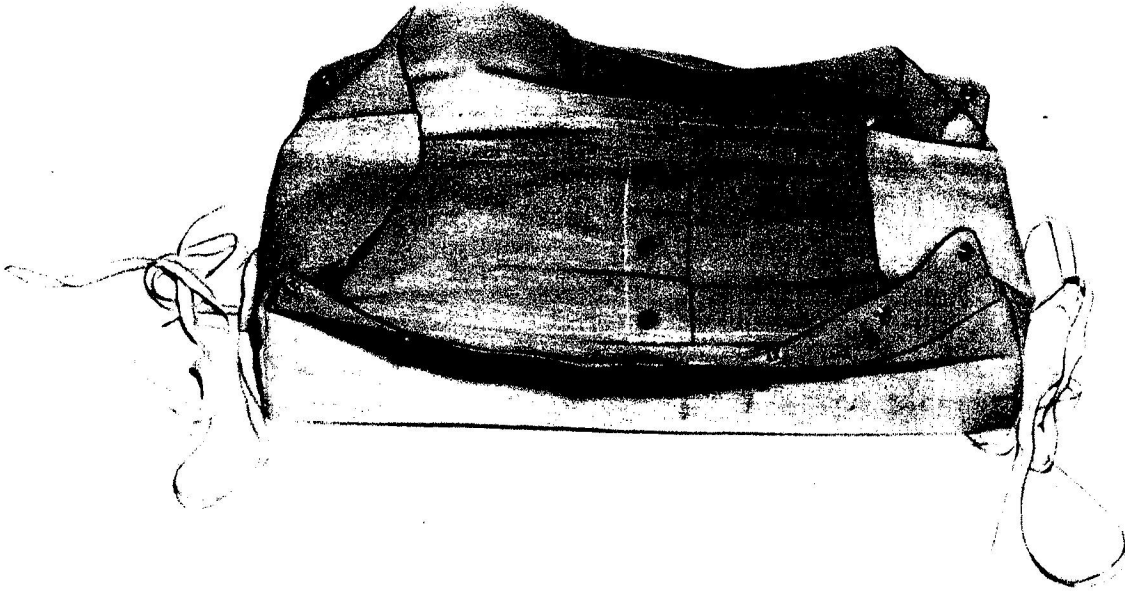
Figure 2-3



STEP 4

Kit packed and tie down flaps closed. The contents should not exceed the height of flaps.

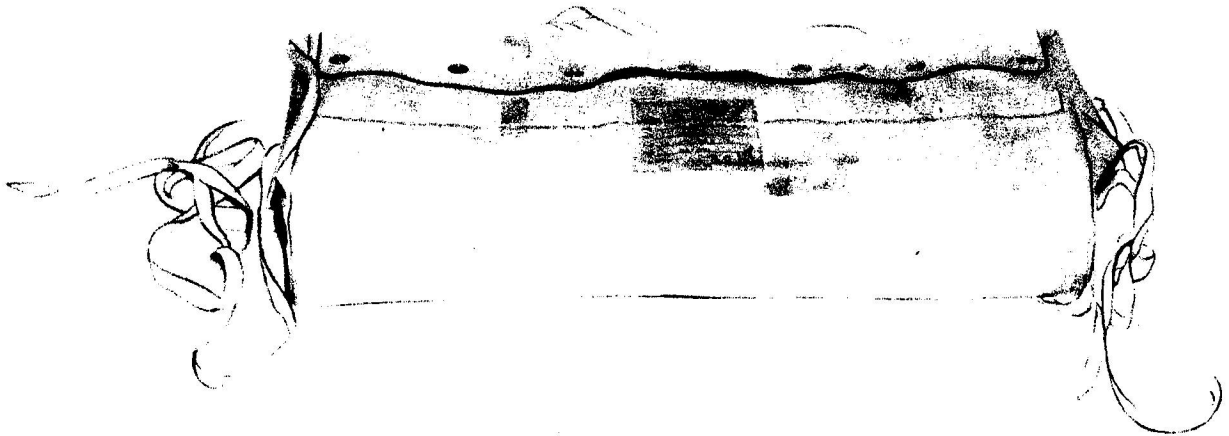
Figure 2-4



STEP 5

Inside flaps in position and closed as shown.

Figure 2-5

**STEP 6**

Kit closed and ready to be installed in life raft.

NOTE

As the life raft outer container is sealed, refer to EO 55-15-2, it is considered unnecessary to seal this container when in service use. However, when removed from the life raft container it must be locked in a steel cabinet in a locked room.

Figure 2-6

PART 3

PACKING LIFE RAFT SUPPLEMENTARY KIT IN LIFE RAFT

1 For single floor life rafts that use an inflatable cushion (donut) the following procedure shall be followed:-

- (a) Locate side of life raft where CO₂ cylinders are installed.
- (b) Untie cushion ties from the "D" ring patches and fold inflatable cushion to other side of life raft.
- (c) Place supplementary kit on floor of life raft closest to CO₂ cylinder installation. Position container between the two existing "D"

ring patches centering the kit on ladder toggle patch, see Step 2.

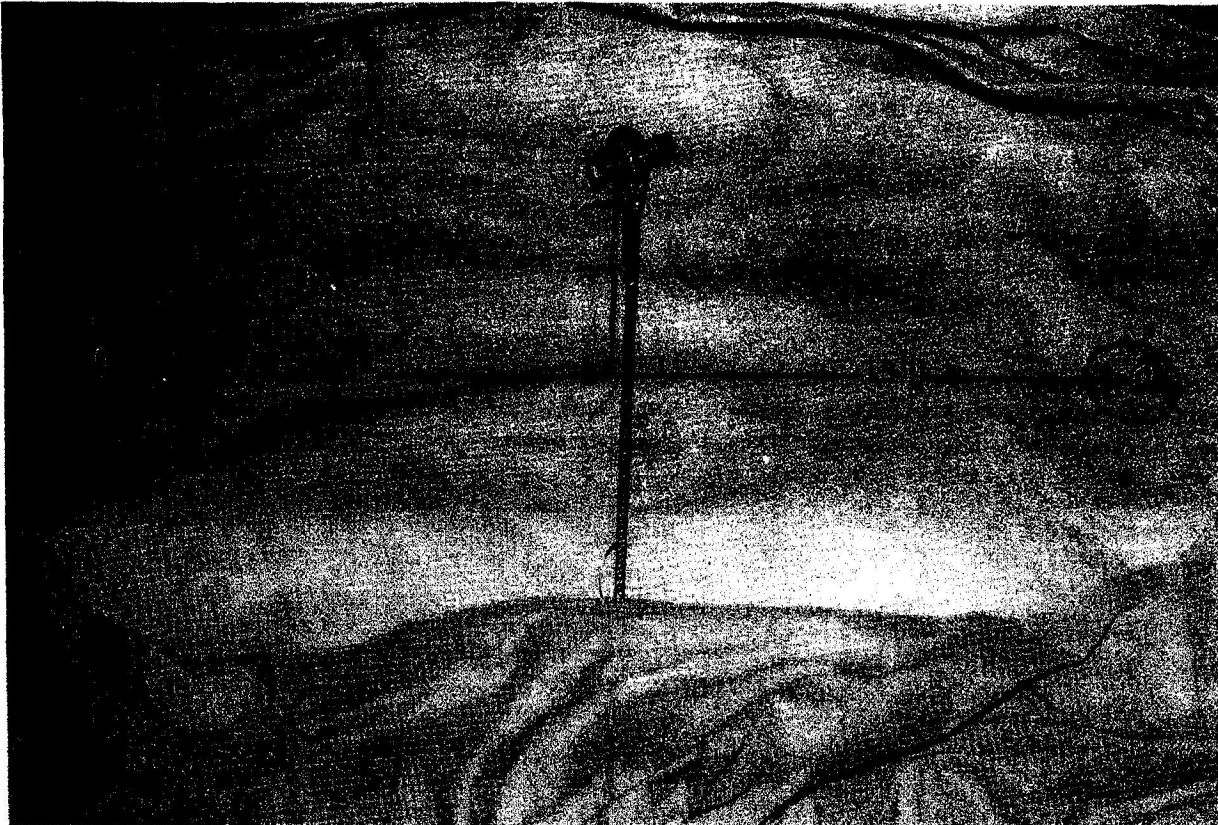
NOTE

The kit straps to "D" rings and ladder toggle anchorage by square knot. Leave ample slack to allow movement of kit while packing (folding) the life raft.

- (d) Lay inflatable cushion back in proper position, over the supplementary kit. Cushion can be inflated and tied after the life raft has been inflated and the supplementary kit repositioned.

NOTE

For life rafts that have no tie down rings installed the following is the first step prior to packing this kit in the life raft.



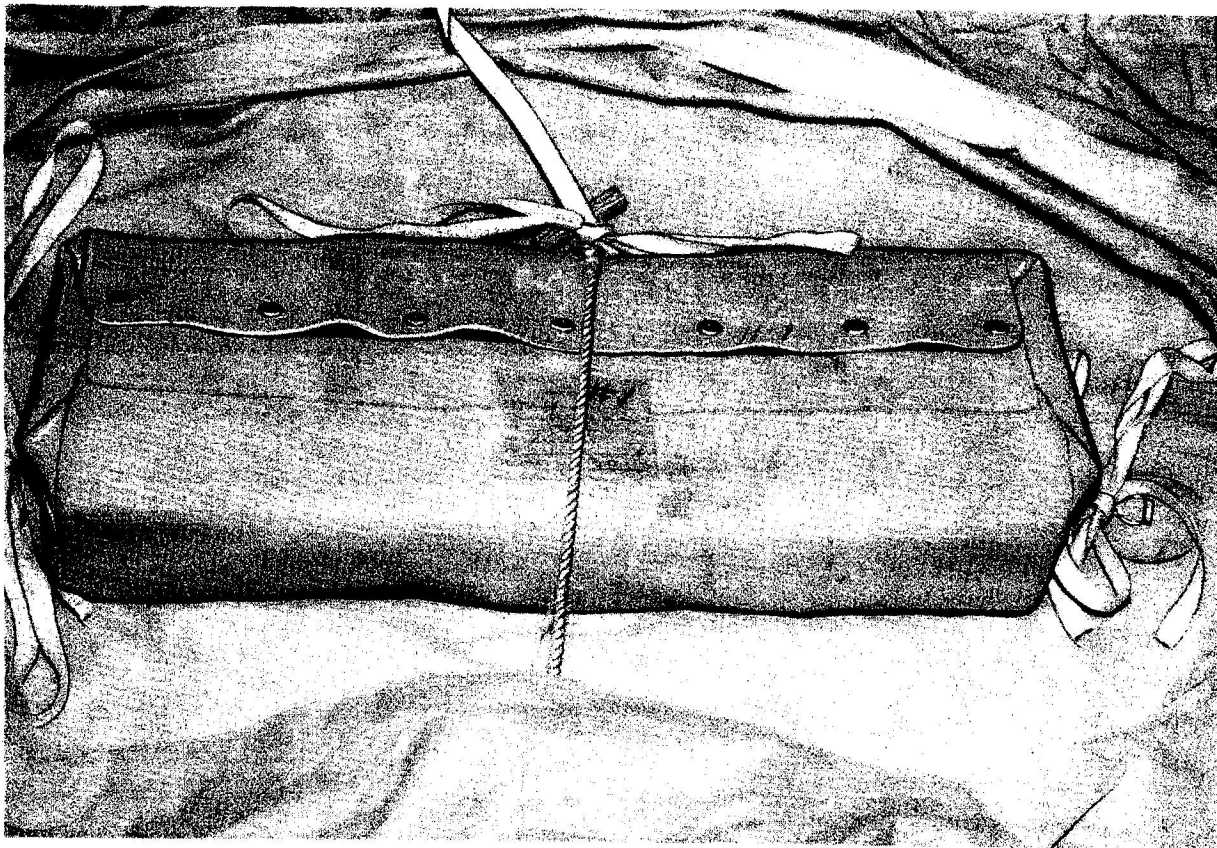
STEP 1

From the wooden toggle measure out 7" as indicated. Measure 15" from each side of reference point as shown and cement patch and "D" ring 15F/39 Allow to securely set before commencing packing procedure.

NOTE

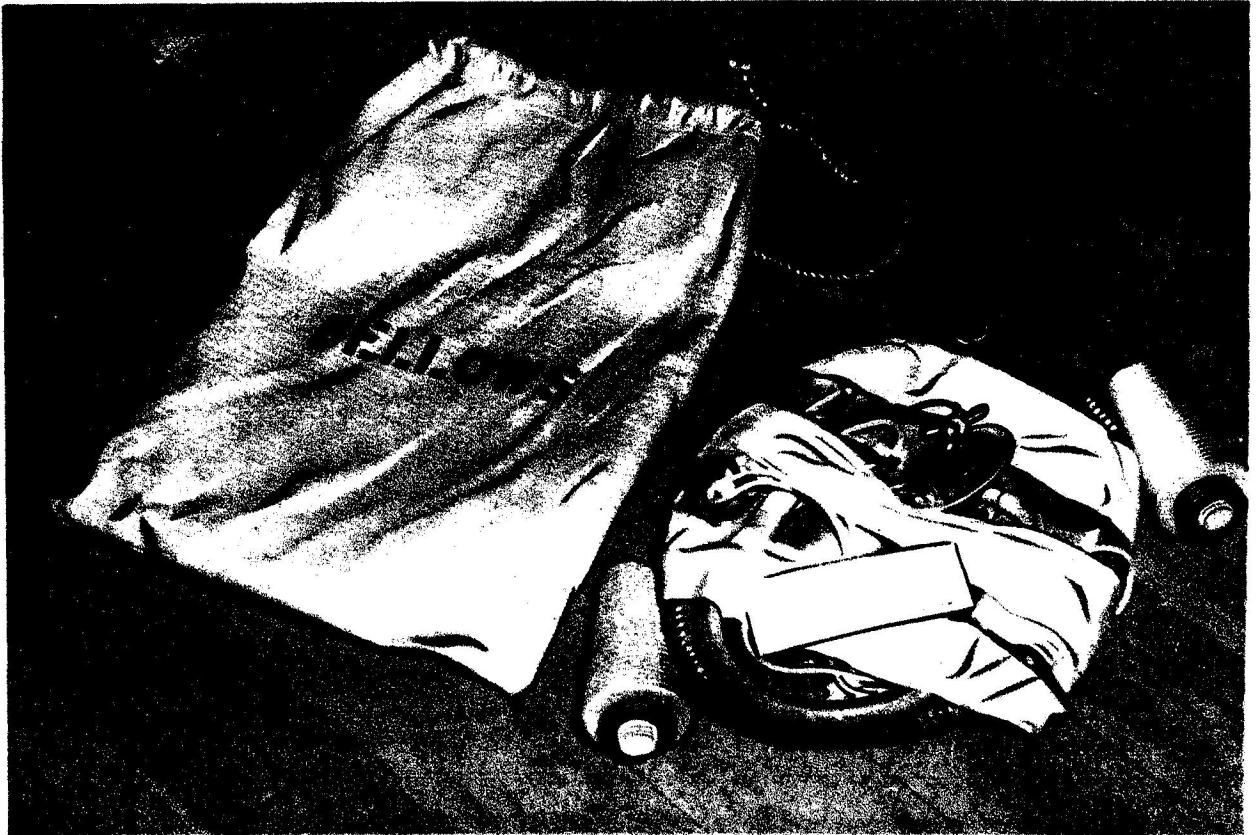
For packing procedure outlined as follows a ten-man life raft was used but the procedure is similar for a six or twenty-man life raft.

Figure 3-1

**STEP 2**

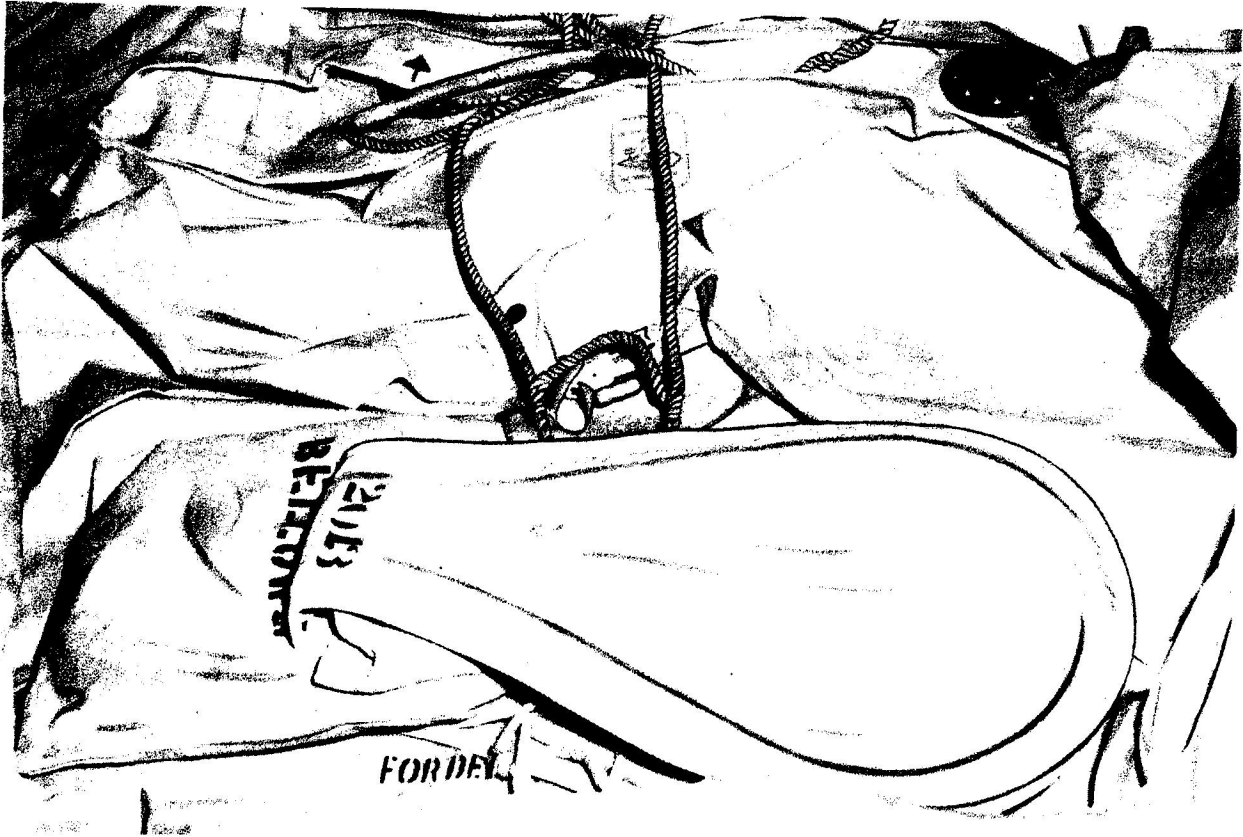
Position kit as shown and secure to "D" rings and wooden toggle.

Figure 3-2

**STEP 3**

To keep the contents of the bellows bag to minimum height after removing the items as indicated in the life raft supplementary kit packing instructions, the remaining items are spread and taped to the bellows as shown.

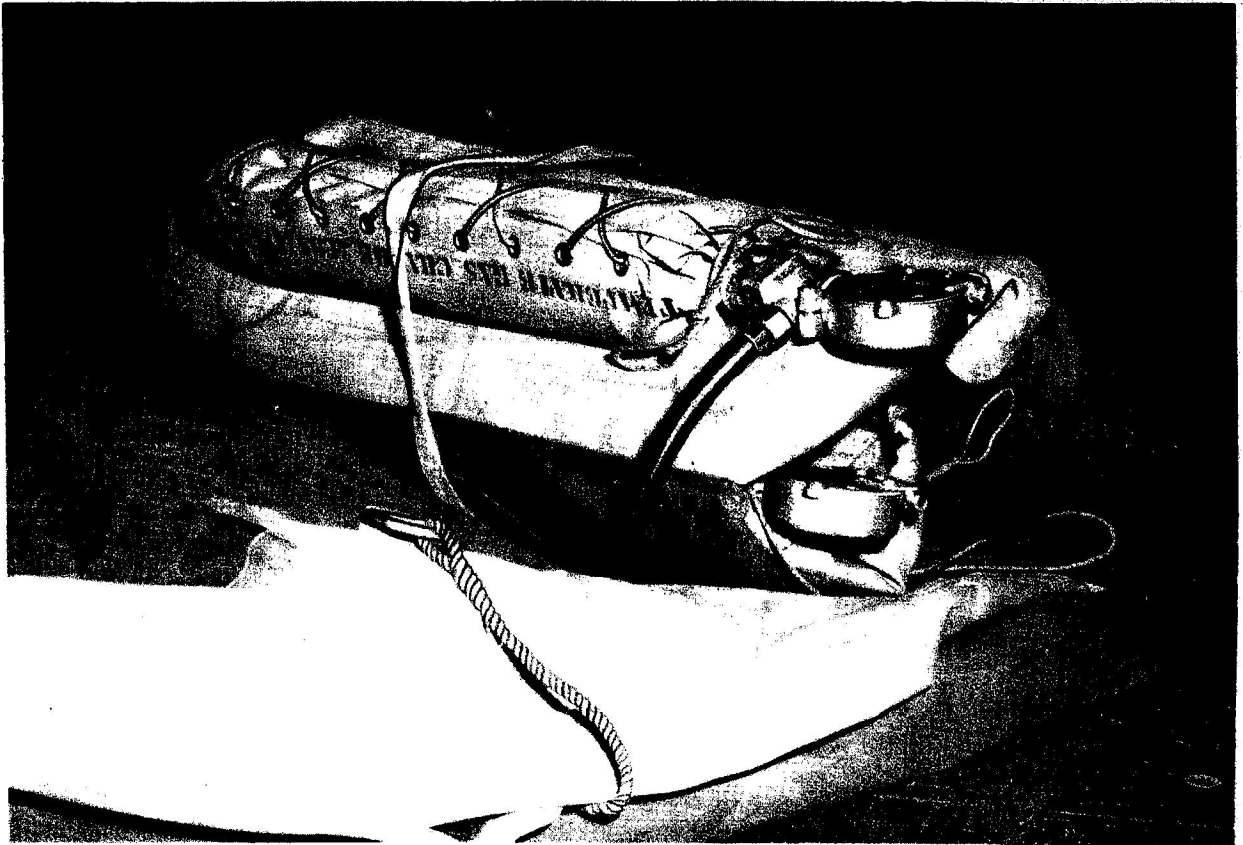
Figure 3-3



STEP 4

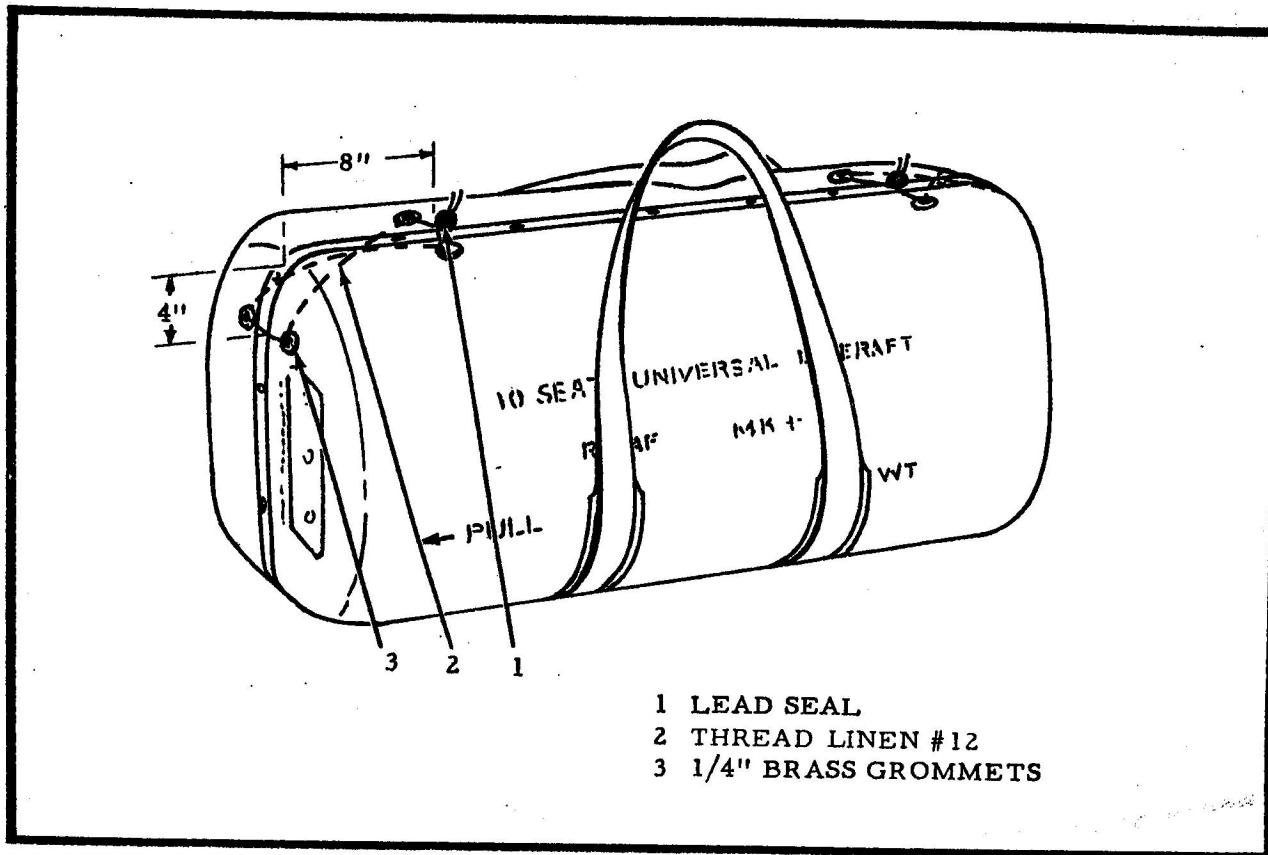
Position the bellows bag and paddles at the end opposite the supplementary kit and secure.

Figure 3-4

**STEP 5**

Roll the life raft beginning at the CO₂ cylinders as shown.
Note CO₂ operating heads are left clear for operation.

Figure 3-5



STEP 6

The ten-man life raft packed in the valise with the life raft supplementary kit installed. Valise sealed as per EO 55-15-2.

NOTE

Difficulty may be experienced packing life rafts in valises after they have been cleaned. Where this occurs units are authorized to sew a strip of valise fabric 4" wide along the full length of the valise opening on the side having the male portion of the fasteners. Additional male fasteners are then installed on this flap to provide closure of the valise. By this step approximately 2" will be added to the circumference of the valise. Sealing grommets may be repositioned if required. Valise material is to be purchased LPO from the manufacturer.

Figure 3-6 (Issue 1)

PART 4**INSPECTION AND MAINTENANCE****PRIMARY INSPECTION**

1 The exterior of the fibreglas kit will be visually examined for general serviceability and the seals checked for security. As the supplementary kit is stowed with a life raft in a valise or blow out stowage no inspection will be carried out.

PERIODIC INSPECTION

2 When in unit storage once every six months.

3 When stowed in an aircraft this inspection is to be carried out at the nearest aircraft periodic inspection that will not exceed six months, or more often where climatic conditions warrant.

4 On this inspection each kit will be unpacked, components visually inspected for

serviceability and completeness. Medical kits are to be inspected as instructed in EO 55-15G-2. The Armament Section is responsible for the inspection of the pyrotechnics and the Telecommunications Section is responsible for the inspection of the SARAH beacon and battery as instructed in EO 55-40D-2.

REPAIRS

5 Webbing straps on fibreglas container may be replaced as necessary.

6 Loose stitching, webbing tape, button fasteners, and inner flaps may be repaired or replaced as required.

STORAGE

7 Kit must be stored in a moderate temperature, securely locked, and in addition supplementary kit must be kept in a locked steel cabinet.

PART 5**SURVIVAL KIT LIFE RAFT - NEPTUNE AIRCRAFT****GENERAL**

1 The life raft and the sea survival kit container installed in the blow-out stowage of the Neptune aircraft is USN equipment. Due to the difficulty of obtaining the small quantity of spares necessary to maintain the survival kit container it has been decided to replace UNSERVICEABLE items beyond economical repair with RCAF equipment.

2 The survival kit container as shown in Figures 5-1, 5-2 and 5-3 is a USN container which when packed, is installed in the wing blow-out stowage, reference EO 05-110A-2. If the container becomes unserviceable for any reason the Unit Safety Equipment Section is to manufacture a new container of the same dimensions utilizing Ref. 15F/73 fabric, three ply rubber.

3 The life raft accessory container, contains all accessories relative to the operation of the life raft. The container and contents are also USN equipment and as such are not completely replaceable by RCAF counterparts such as oars and canopy. The container may be replaced by local manufacture.

PACKING PROCEDURE

4 The following packing procedure for the survival kit container is to be followed when packing to scale CAP 650, K63, 10 man kit.

(a) Figure 5-1 - The first or bottom layer is to consist of heavy items such as rations and de-salting kits.

(b) Figure 5-2 - Second layer to consist of clothing or soft items to act as packing.

(c) Figure 5-3 - Remaining equipment to be evenly spaced on top.

NOTE

Fragile items may be inserted in socks woolen for protective packaging.

INSPECTION

5 When in unit storage once every six months.

6 When stowed in an aircraft this inspection is to be carried out at the nearest aircraft periodic inspection that will not exceed six months or more often where climatic conditions warrant.

7 On this inspection each kit will be unpacked, components visually inspected for serviceability and completeness. Medical kits are to be inspected as instructed in EO 55-15G-2. The Armament Section is responsible for the inspection of the pyrotechnics and the Telecommunications Section is responsible for the inspection of the SARAH beacon and battery as instructed in EO 55-40D-2.

REPAIRS

8 The survival kit container and life raft accessory container is to be manufactured locally.

STORAGE

9 Kit must be stored in a moderate room temperature away from dampness, sunlight, heating pipes or vents.

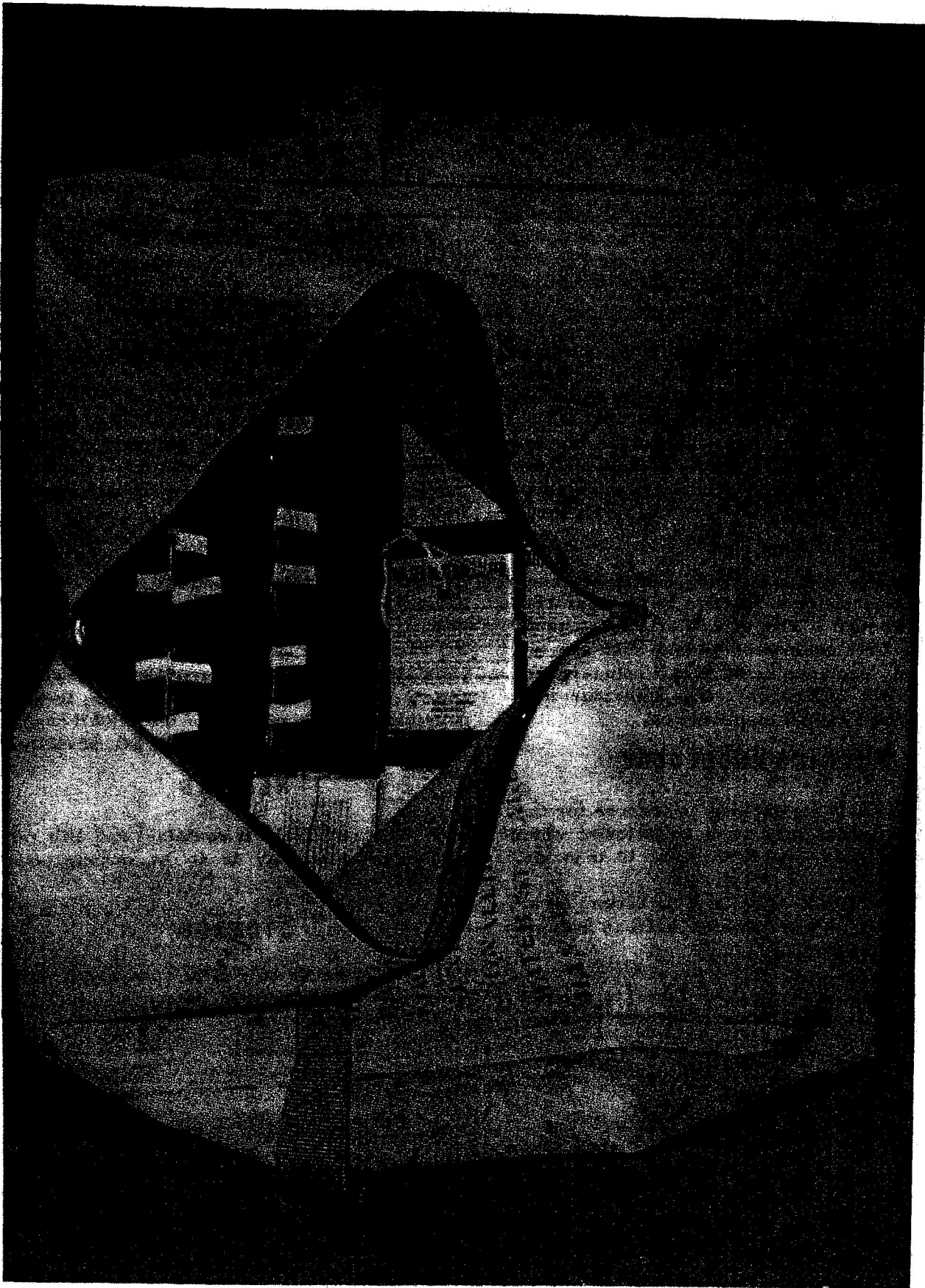


Figure 5-1



Figure 5-2

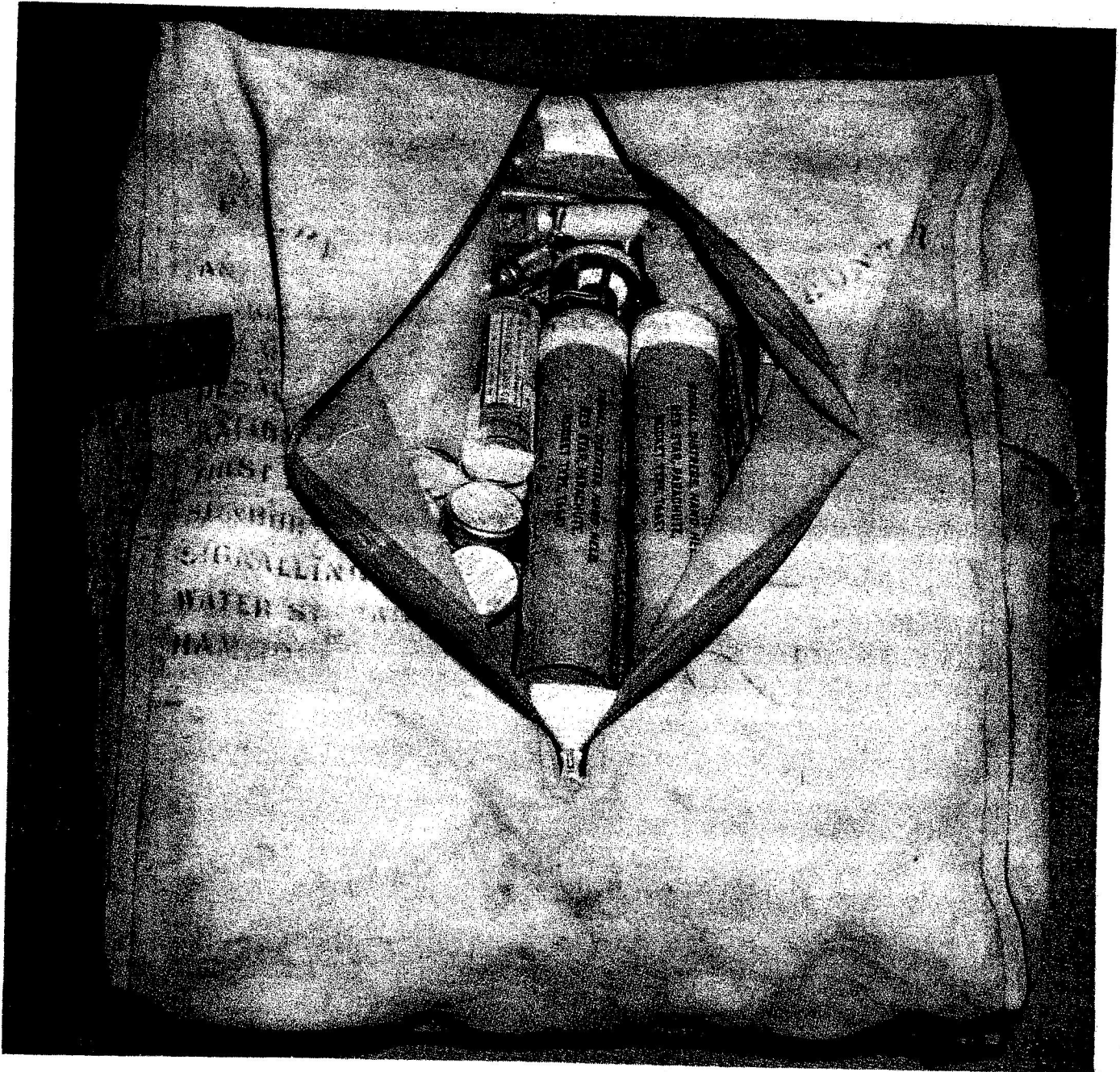


Figure 5-3