

INSTRUCTIONS FOR OBTAINING DRINKING WATER WITH SEA WATER DISTILLATION KIT, TYPE LL-2

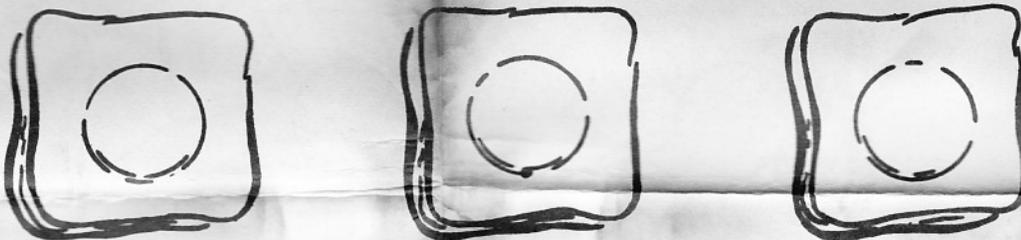
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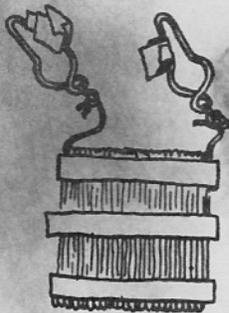
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10 OCTOBER 1948

EACH KIT CONTAINS: 3 STILLS, WRAPPED SEPARATELY OR TOGETHER



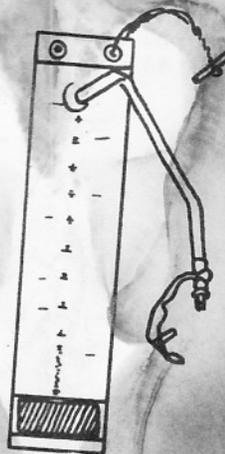
TEAR OFF WRAPPERS CAREFULLY. Don't tear the STILLS.
Unfold the STILLS slowly.



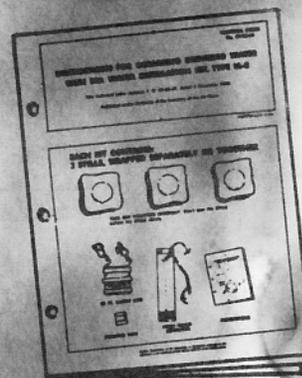
20 FT. SAFETY LINE



MENDING TAPE



FRESH WATER
CONTAINER

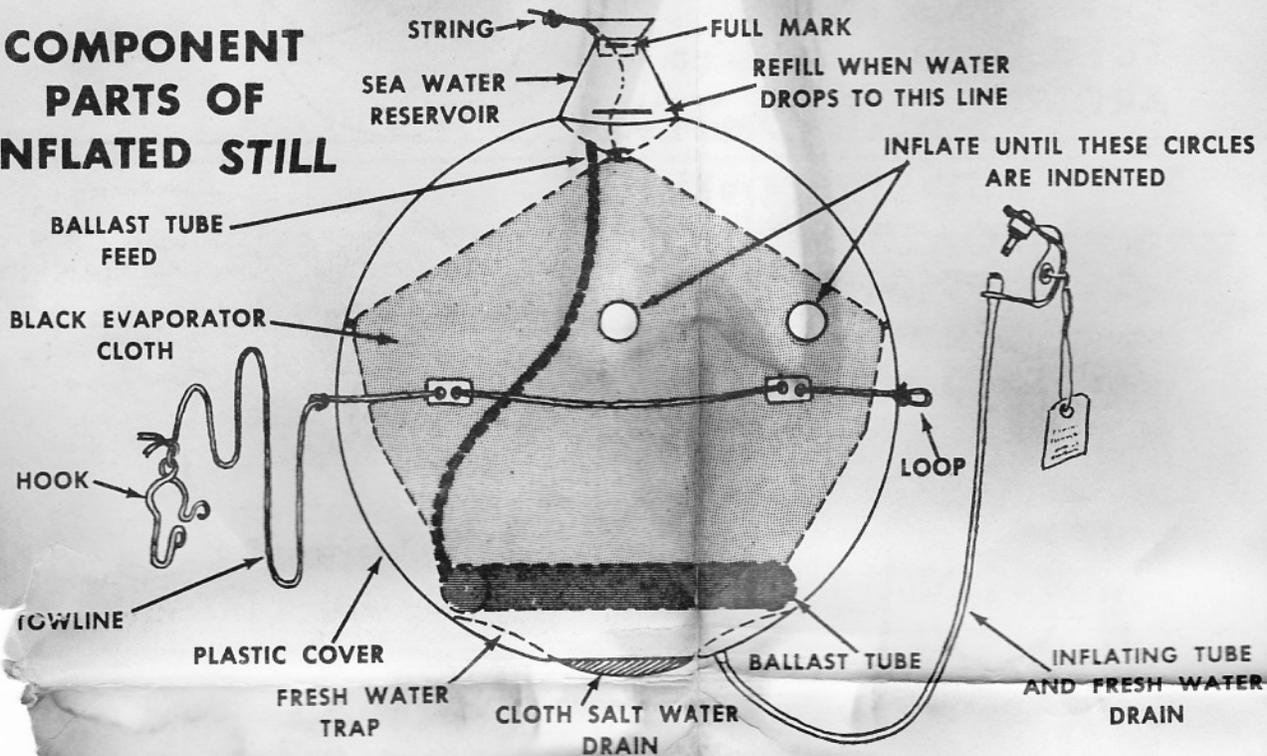


INSTRUCTIONS

These instructions are for obtaining drinking water distilled from ocean salt water. The water obtained is fresh and pure, and although it may have a harmless "plastic" taste, especially when the Stills are first used, you can live and survive on it. The first distilled water may be milky because of talc

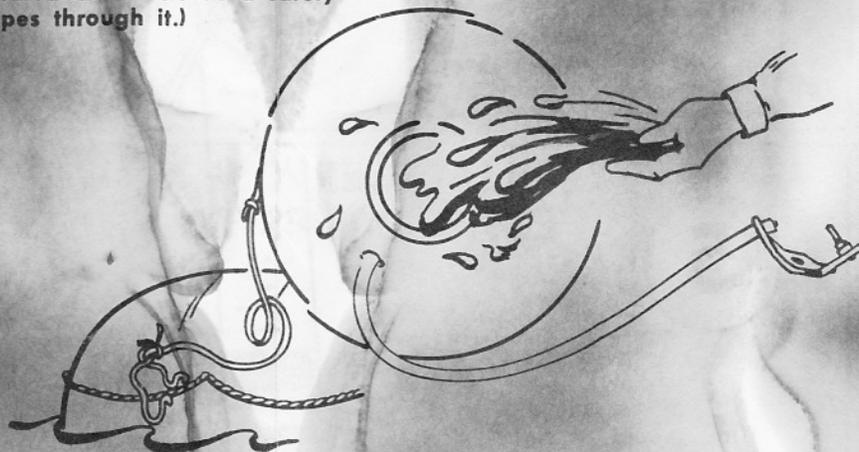
which is sprinkled on the inside of the bag at the time of manufacture to keep the plastic from sticking together. This water is harmless. Stills can be used indefinitely as a source of drinking water—if you take care of them.

COMPONENT PARTS OF INFLATED STILL



1 SOAK CLOTH DRAIN THOROUGHLY

This prevents air from escaping through cloth. (If STILL is over-inflated cloth acts as a safety valve and air escapes through it.)



HOOK TOWLINE TO RAFT LIFE LINE

INFLATE THROUGH TUBE

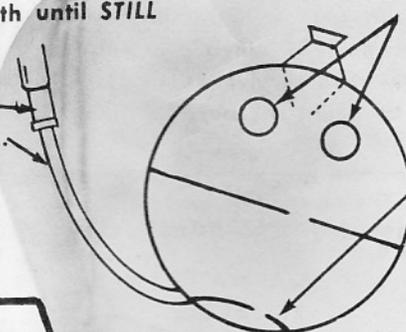
2

With life raft pump or by mouth until *STILL* is round and firm.

Life raft pump hose.

Kinks in Tube Prevent Inflation.

Suspension points are indented when *STILL* is properly inflated. Any excess pressure escapes through cloth drain.

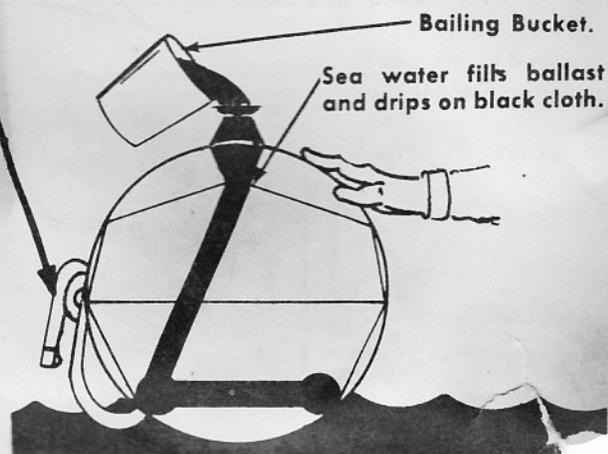


PUT STOPPER IN TUBE AND LOOP AROUND TOWLINE

3

PUT *STILL* OVERBOARD HOLD IT UPRIGHT. POUR SEA WATER INTO SEA WATER RESERVOIR UNTIL IT STAYS FULL.

When ballast tube is full, *STILL* floats upright by itself.



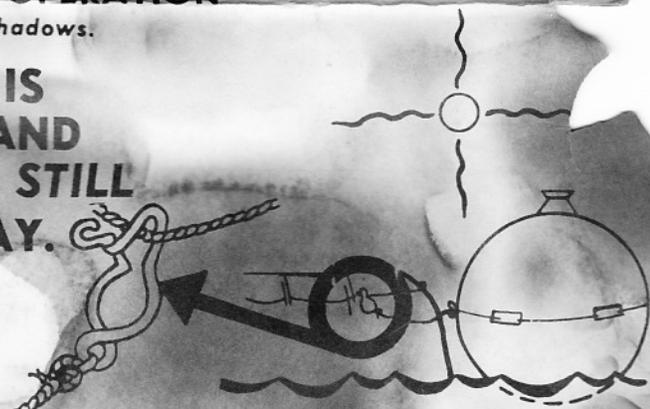
THE *STILL* IS NOW IN OPERATION

Keep it in the sun and away from shadows.

4

MAKE SURE HOOK IS CLOSED SECURELY AND CHECK ALL KNOTS SO *STILL* WON'T FLOAT AWAY.

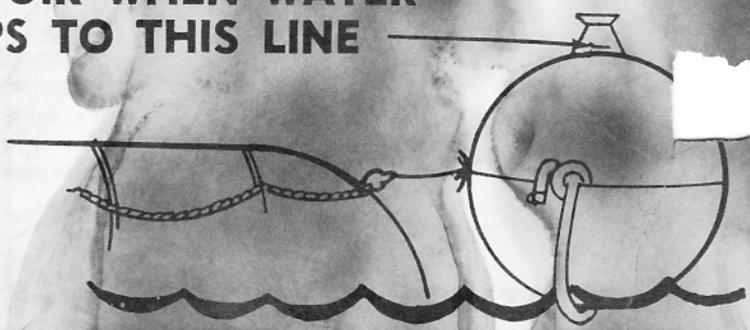
The first day *STILL* is used throw away water distilled during first two or three hours operation.



REFILL RESERVOIR WHEN WATER LEVEL DROPS TO THIS LINE

5

This should be necessary about every hour and a half.



KEEP STILL FIRMLY INFLATED. SHOULD IT BECOME FLABBY BLOW IN MORE AIR UNTIL SUSPENSION POINTS ARE INDENTED

6

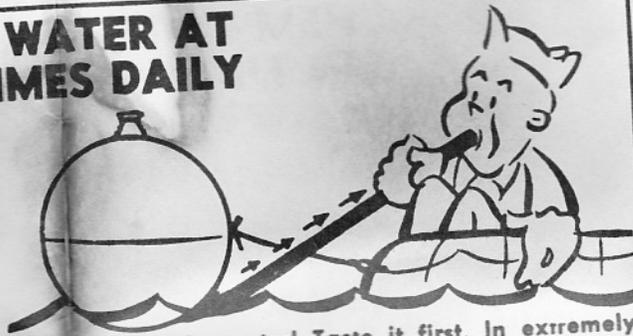
If STILL becomes flabby, the black evaporator cloth touches the sides and contaminates the freshly evaporated water with salt.



7

REMOVE FRESH WATER AT LEAST THREE TIMES DAILY

a BY SUCKING IT OUT THROUGH THE TUBE



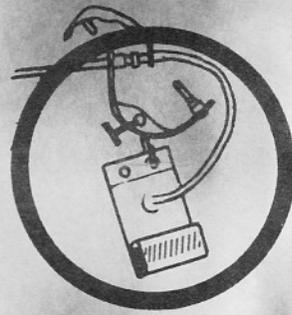
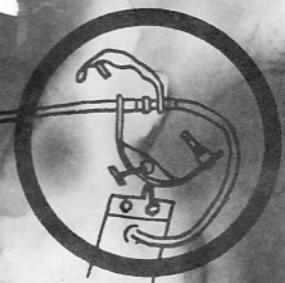
Note: Don't gulp water! Taste it first. In extremely rough weather it may be salty.

b OR BY DRAINING IT INTO FRESH WATER CONTAINER:

SECURE CONTAINER TO STILL BY INSERTING METAL TOGGLE PIN THROUGH GROMMET IN THE SAFETY STRAP

CAREFULLY LOCK CONTAINER TUBE COUPLING INTO END OF FRESH WATER DRAIN TUBE

ROLL CONTAINER AROUND METAL WEIGHT TO FORCE ALL THE AIR OUT OF CONTAINER



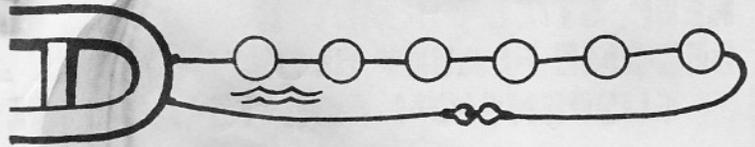
HOLD THE TIGHTLY ROLLED CONTAINER AT LEAST SIX INCHES UNDER WATER. THEN LET IT GO. IT SHOULD SINK. If it floats, all the air was not expelled, or it was not held under water far enough.

After several minutes the container will collect fresh water from STILL.

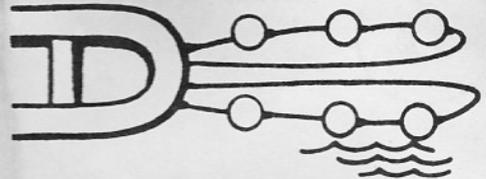


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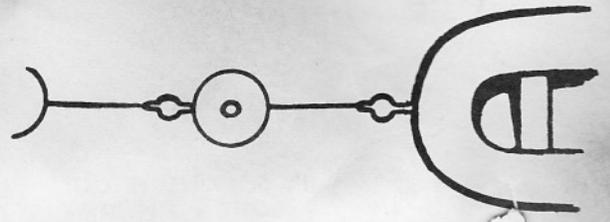
WHEN MORE THAN ONE STILL IS IN USE FROM THE SAME RAFT, HOOK EACH STILL SECURELY TO ANOTHER AND STRING THEM OUT IN LINE.



Use safety lines to prevent *STILLS* from breaking away.



STILLS may also be arranged in two groups of three each with one safety line for each group. With this arrangement, be sure *STILLS* don't shade each other.



Join *STILLS* together by snapping the hook of one into the towline loop of another.

In rough weather, or when sailing, the *STILLS* may be operated in the raft, if desired, or if weather conditions permit, they may be left floating day and night.

9

STRING

DARK SPOT



When operating, *STILL* has a silvery appearance caused by condensation of fresh water on inside of bag. If upper half of bag loses its silvery appearance in spots, jiggle string to clear the reservoir outlet of foreign matter.

10

**IF YOU WANT TO
DEFLATE *STILL* IT
IS BEST TO DRAIN
BALLAST TUBE
FIRST**



THEN RUB DRAIN CLOTH WITH
A DRY OR DAMP RAG.

11

**... THEN OPEN
TUBE AND APPLY
PRESSURE UNTIL
STILL IS DEFLATED**



NOTE: When *STILL* is put in use again after deflating, it should be drained of fresh water after the first half hour of operation to remove any salt water which may have accumulated inside the *STILL* after it was deflated.

REPAIRING STILL—The Stills are actually very rugged with the exception that they cut easily. Therefore care should be taken to avoid having them come in contact with sharp objects. If a Still is cut, repair immediately with the mending tape. Put it on as you would regular adhesive tape. Place to be patched must be absolutely dry, and tape must be dry, to stick. The repair spot must also be clean and free from salt.

AMOUNT OF DRINKING WATER TO EXPECT

The six Stills which are standard equipment for multi-placed rafts can produce up to a total of 15 pints of fresh water a day. With the rain catching and water storage equipment, you will be assured of 7 pints a day for each raft, even under poor conditions. Usually there will be more—perhaps 10 to 20 pints a day for each multi-place raft.

Although the Stills need direct sunlight to operate best, they will work to some extent if the overcast is not too heavy. They will not work at night or on very dark days.

RATIONING AND MEASURING WATER

The Stills must not be considered as the only source for drinking water. Other sources are rain and the chemical Drinking Water kits.

The chemical Drinking Water Kits should be saved

for possible emergencies, but should it be necessary to use them, immediately cut down the drinking water allowance to not more than a pint a man a day.

The Chemical Drinking Water Kits may be needed if there are long periods of overcast, or if it is too rough to operate the Stills or catch rain water. Remember, the chemical Drinking Water Kits can last only a certain length of time and then they are used up, whereas the sun and the rain are not.

The fresh water container in this kit and the processing bag of the Drinking Water Kits are marked in ounces. (16 oz. in a pint, 2 pints in a quart.)

HOW THE STILLS WORK

The removal of salt from the water is accomplished by distillation. The sun's rays heat the sea water that drips on the black evaporator cloth stretched in the center of each Still, causing evaporation. Vapor condenses on the sides of the plastic cover in little beads which run down to the fresh water trap below the ballast tube. The salts do not evaporate and remain in the black cloth. This salt is washed from the bottom of each Still. You never need to wash the bottom of each Still.

After rescue, prepare with emergency

AIR
WRIGHT-
BOTTOM