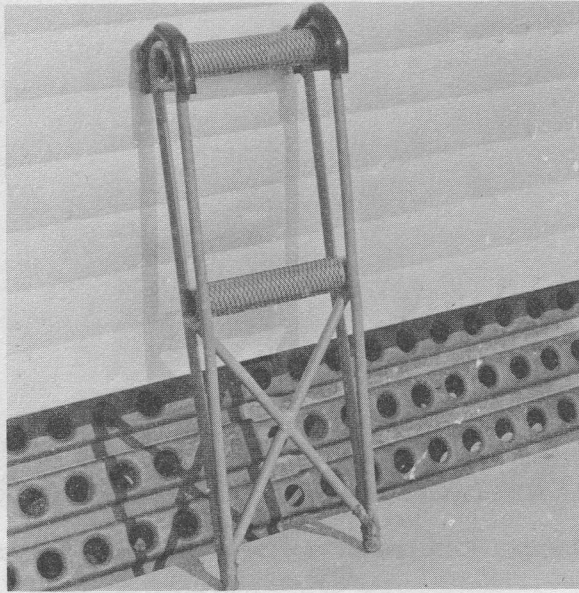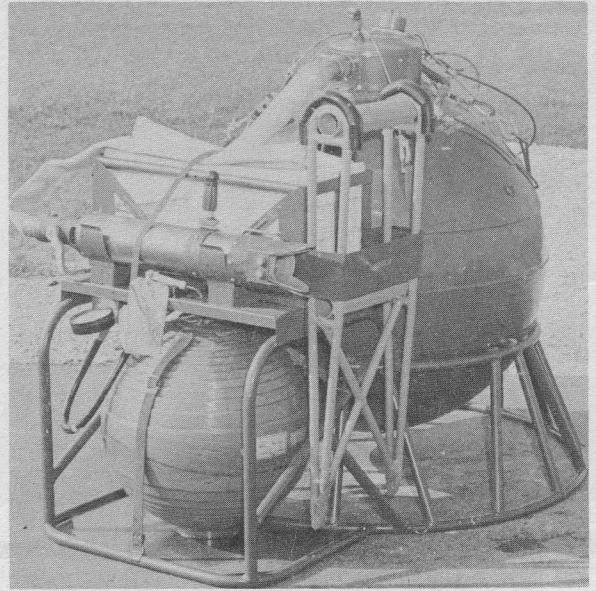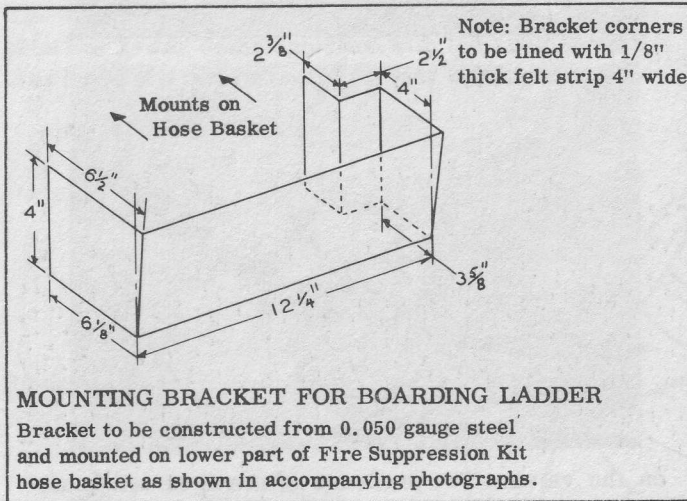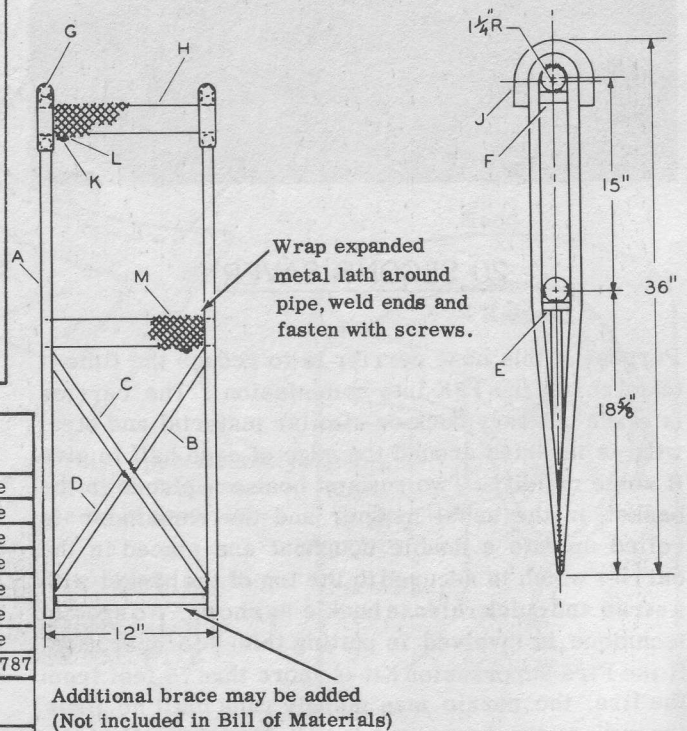This special ladder, designed by Perrin helicopter men, weighs about five pounds and is attached to the Fire Suppression Kit by a simple bracket mounted on the side of the hose basket. In order to save weight it was kept as light as possible, consistent with strength. It is made of aluminum tubing and is symmetrical so that either side can be placed against the aircraft. The rungs are made of 2-inch tubing covered with expanded metal lath to insure non-skid footing and the top of the ladder is built up to hold the

top rung away from the aircraft for a more firm footing. The ladder shown was the first made, later ones were lengthened about three inches and an extra piece of tubing was put across the bottom where the side pieces are welded together to keep the ladder from working too deeply into soft ground. The ladder was made under the assumption that if an aircraft lands off a prepared surface, the landing gear will be collapsed; it is of sufficient length for F-102, F-86, T-33 aircraft. (USAF photo)

Note: Fasten rubber hose to ladder with rubber-to-metal cement after splitting hose.

MOUNTING BRACKET FOR BOARDING LADDER
Bracket to be constructed from 0.050 gauge steel and mounted on lower part of Fire Suppression Kit hose basket as shown in accompanying photographs.

Wrap expanded metal lath around pipe, weld ends and fasten with screws.

Additional brace may be added
(Not included in Bill of Materials)

BOARDING LADDER-APPLIES TO F-102, F-86, T-33

Sym.	No. Req.	Stock Size	Material	Spec. No.
A	2	3/4 O.D. x .049 x 74"	5052-0	4710-278-8746 Tube
B	1	3/4 O.D. x .049 x 9-1/4"	5052-0	4710-278-8746 Tube
C	1	3/4 O.D. x .049 x 19-1/4"	5052-0	4710-278-8746 Tube
D	1	3/4 O.D. x .049 x 9-3/8"	5052-0	4710-278-8746 Tube
E	2	3/4 O.D. x .049 x 1-7/8"	5052-0	4710-278-8746 Tube
F	2	3/4 O.D. x .049 x 2-5/8"	5052-0	4710-278-8746 Tube
G	2	3/4 O.D. x .049 x 11"	5052-0	4710-278-8746 Tube
H	2	2 O.D. x .049 x 12"	5052-0	UNK. Tube WW-T-787
J	2	3/4 I.D. x 1/8 x 11"	Rubber Hose	
K	4	AN530-10-12	Screw	Steel
L	4	AN960C10	Washer	Steel
M	2	3.4 lbs. per sq. yd. Sm. Mesh	Exp. Metal	