

CHAPTER 6

RIGGING TRAILER WITH AN/MGC-34 TELETYPEWRITER

6-1. Description of Load

The M416 trailer with the AN/MGC-34 teletype-writers is rigged on an 8-foot modular platform. The load requires either one G-11A or one G-11B cargo parachute. The trailer, with the teletype-writers, weighs 1,660 pounds. It is 111 inches long, 59 inches wide, and 80 inches high (reducible to 68 inches).

6-2. Preparing Platform and Installing Suspension Slings

Prepare an 8-foot modular platform the same as in

paragraph 5-1.

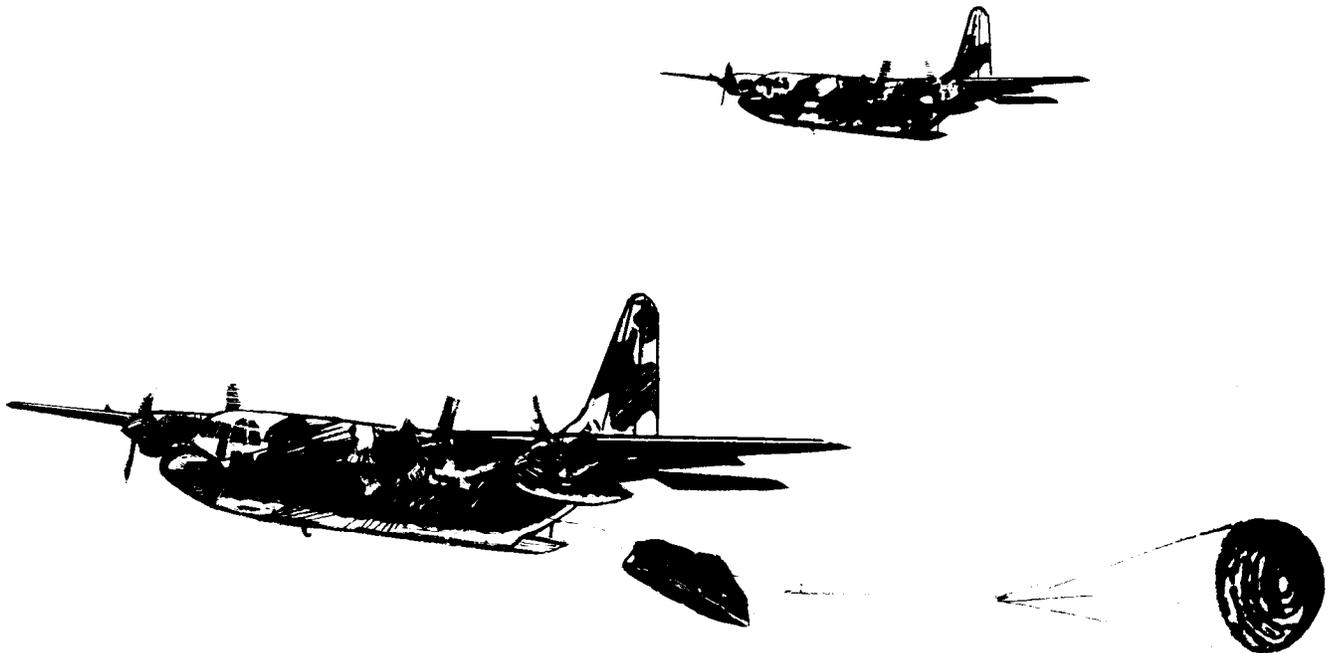
6-3. Preparing and Positioning Honeycomb Stacks

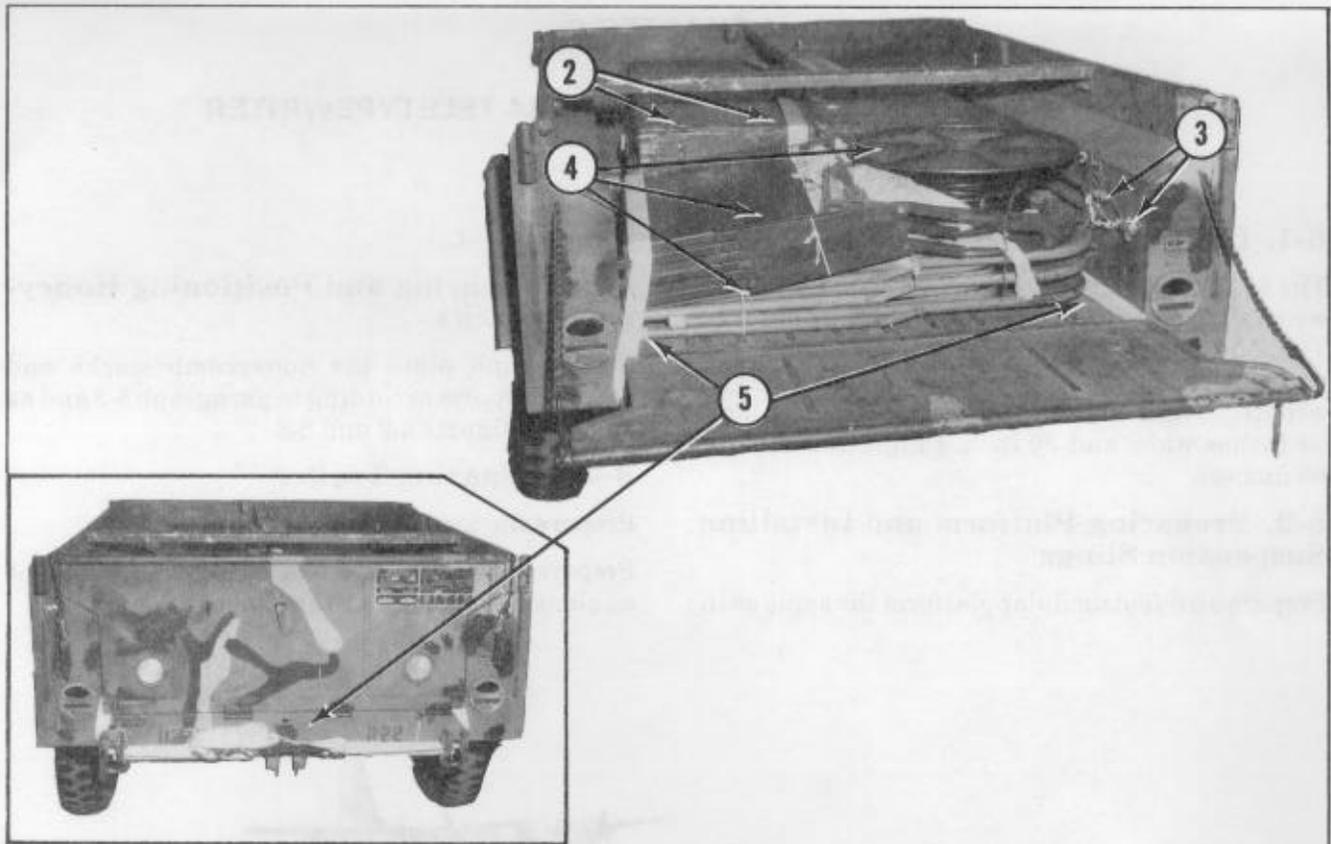
Prepare and place the honeycomb stacks and trailer supports according to paragraph 5-3 and as shown in figures 5-2 and 5-3.

6-4. Preparing Trailer

Prepare the load as follows:

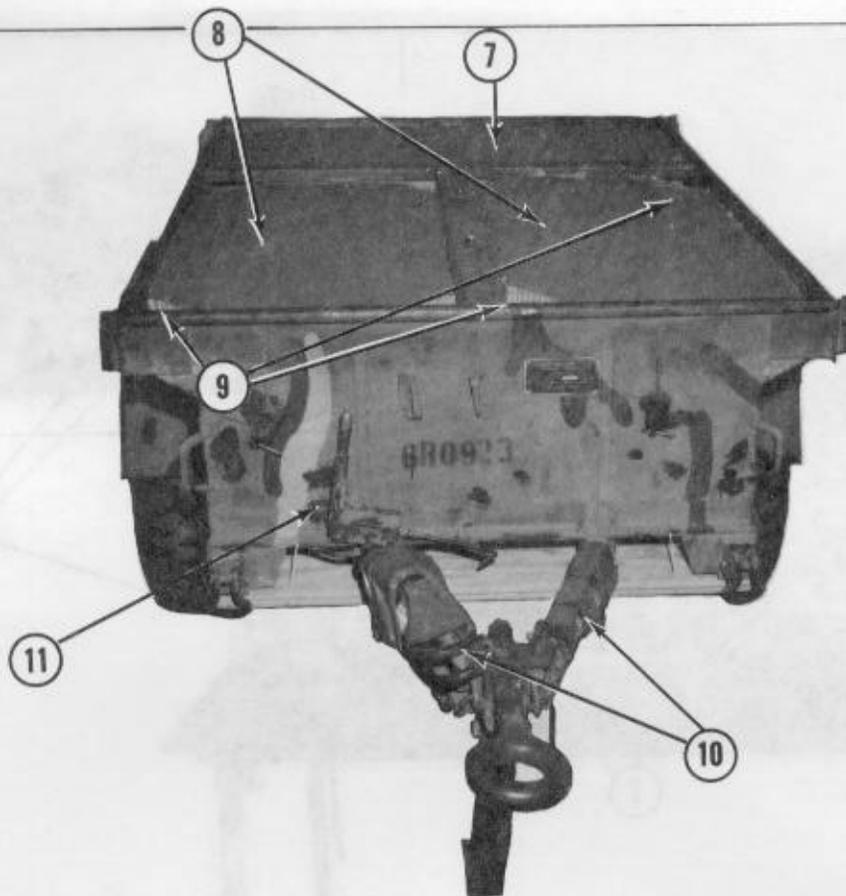
Prepare the trailer and teletypewriter equipment as shown in figures 6-1 through 6-4.





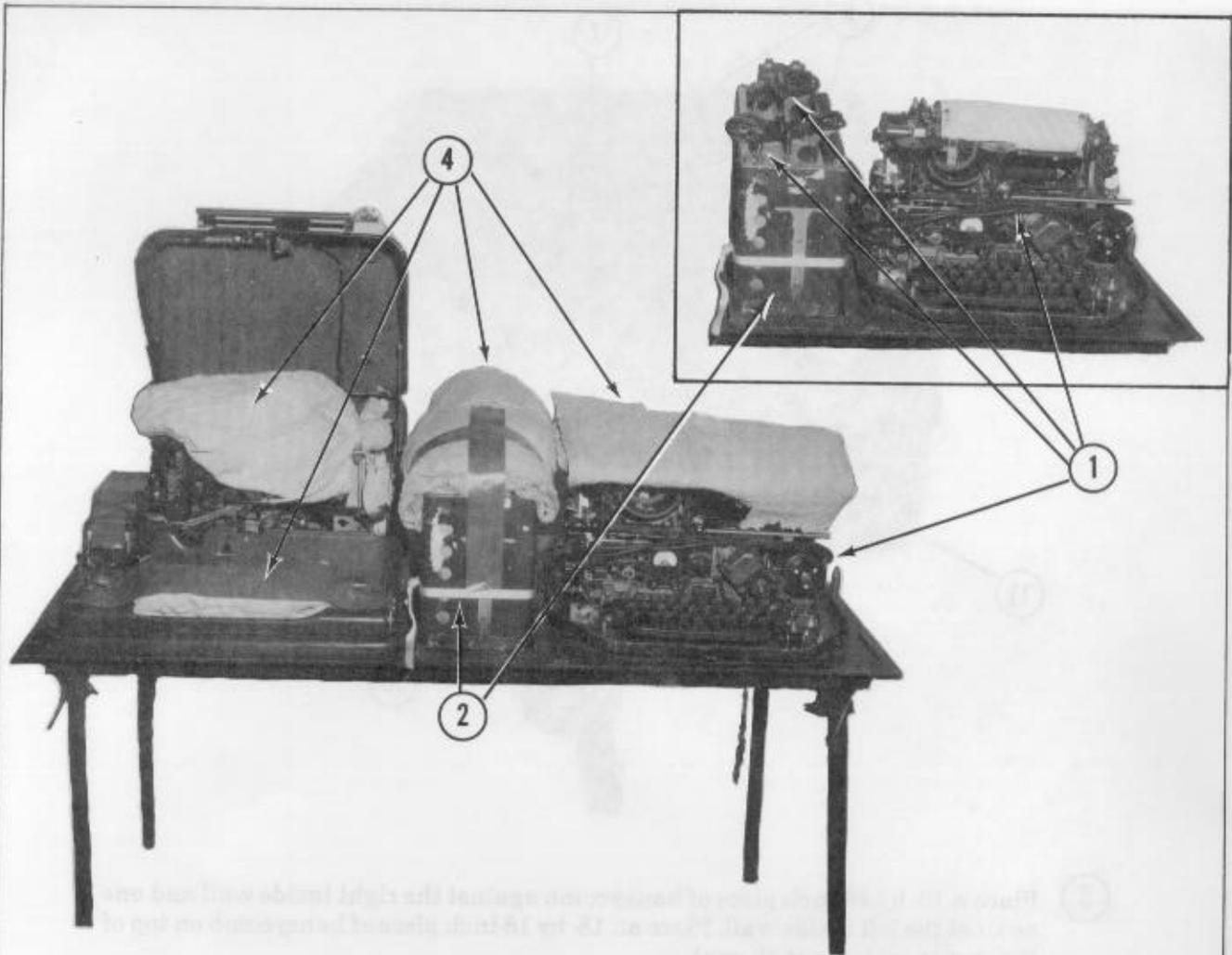
- ① Remove the three teletypewriters and equipment from the trailer and place a 15-foot tiedown strap lengthwise on the floor of the trailer with the D-ring end facing forward.
- ② Place the three footlockers with the lighting equipment, plugs, wiring manuals, toolkit, and first aid kit on the tiedown strap. Pad all items in the lockers with cellulose wadding. Bind the tiedown strap around the footlocker with a load binder and D-ring. Note: Leave 1-inch clearance between the front of the footlockers and the forward wall of the trailer.
- ③ Place grounding rods in the brackets on the inside of the right trailer wall and tie them with type III nylon cord.
- ④ Place the folding chairs, crypto tables, AC power cord, and the rear support leg in the trailer. Pad both ends of the power cord with cellulose wadding.
- ⑤ Form a 30-foot tiedown strap and run the strap around the front of the forward footlocker and through the chairs. Run the ends of the tiedown strap through the tailgate on the outside edge of the hinges and under both left and right lifting shackle mounting brackets. Bind the ends with a load binder and two D-rings.

Figure 6-1. Preparing trailer.



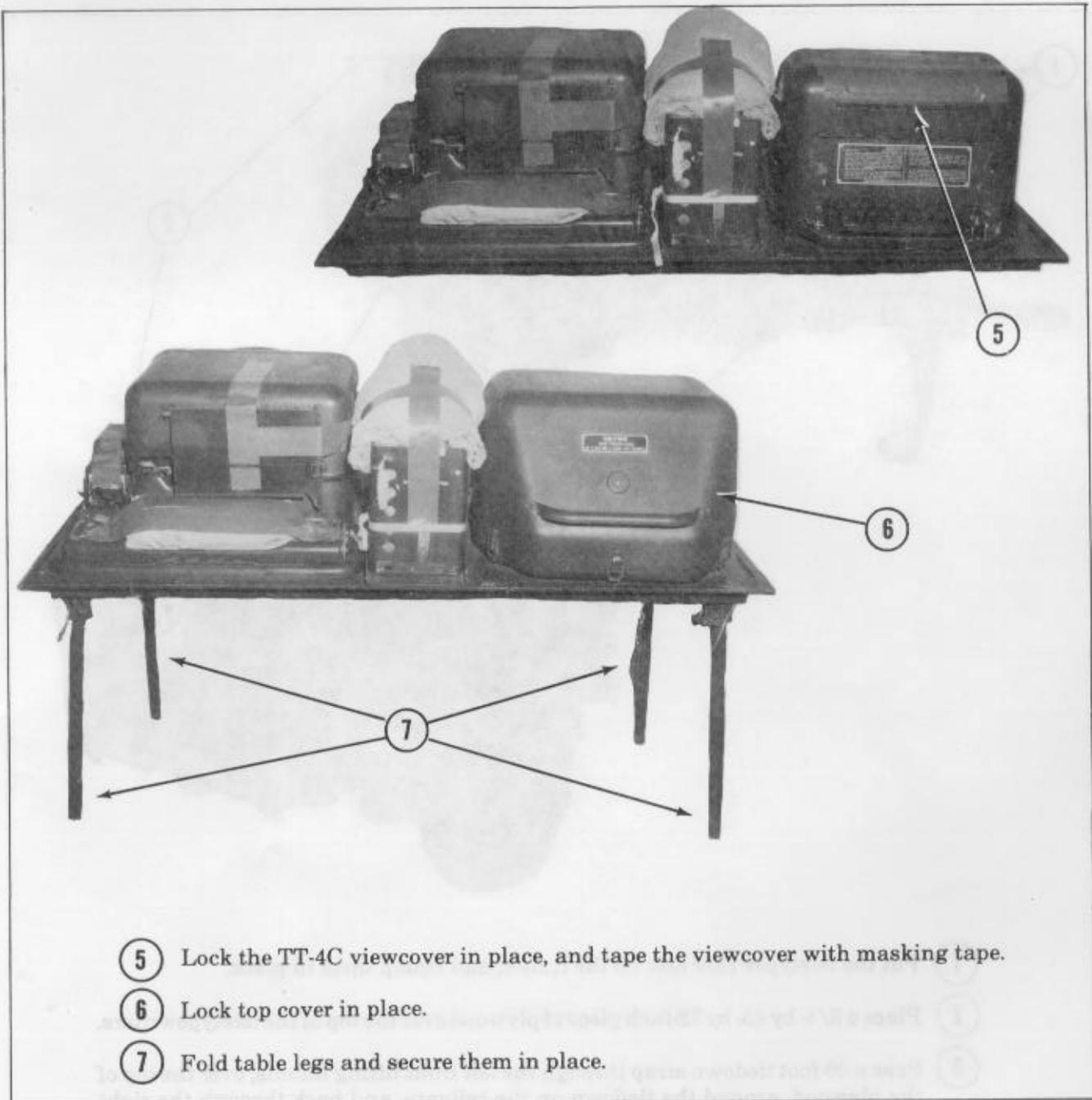
- ⑥ Place a 12- by 49-inch piece of honeycomb against the right inside wall and one against the left inside wall. Place an 18- by 18-inch piece of honeycomb on top of the crypto tables (not shown).
- ⑦ Place a 23- by 49-inch piece of honeycomb across the rear of the trailer between tailgate and crossmember brace.
- ⑧ Place a 23- by 47-inch piece of honeycomb on each side of the trailer directly on the top of the footlockers.
- ⑨ Make a 4-inch triangular cutout at each corner of the honeycomb pieces.
- ⑩ Tie and tape the safety chains and intervehicular cable to the drawbar.
- ⑪ Make sure that the handbrake is in the OFF position.

Figure 6-1. Preparing trailer (continued).



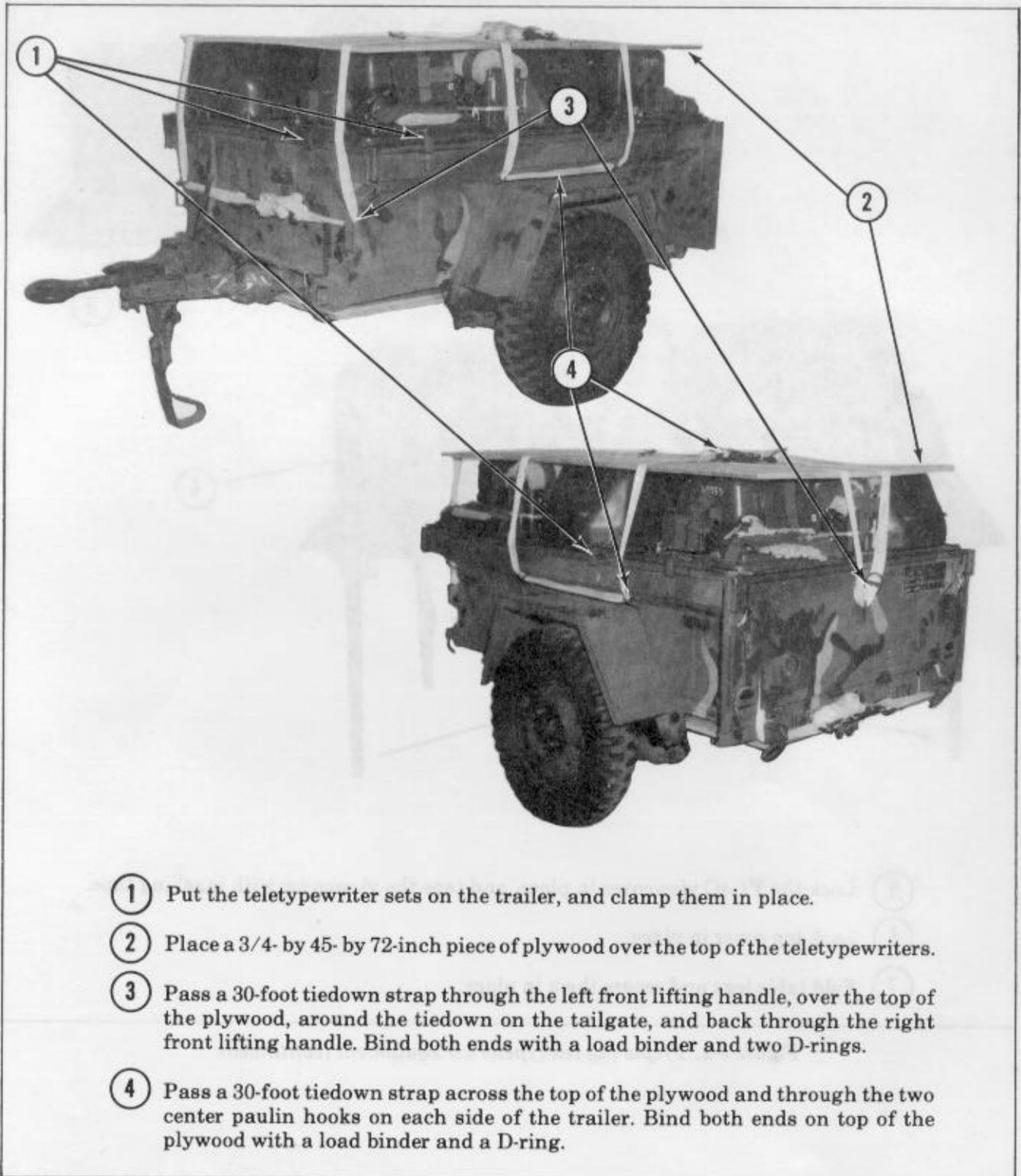
- ① Fold, roll, or stow all power cables in the travel position.
- ② Tie the telegraph terminal TH 22/T6 in place with 1/2-inch tubular nylon.
- ③ Move carriage to the far left position. Lock carriage in place. Make sure roller is locked in place. Lock keyboard in place on both pieces of equipment.
- ④ Pad equipment with cellulose wadding.

Figure 6-2. Preparing teletypewriter equipment.



- ⑤ Lock the TT-4C viewcover in place, and tape the viewcover with masking tape.
- ⑥ Lock top cover in place.
- ⑦ Fold table legs and secure them in place.

Figure 6-2. Preparing teletypewriter equipment (continued).



- ① Put the teletypewriter sets on the trailer, and clamp them in place.
- ② Place a 3/4- by 45- by 72-inch piece of plywood over the top of the teletypewriters.
- ③ Pass a 30-foot tiedown strap through the left front lifting handle, over the top of the plywood, around the tiedown on the tailgate, and back through the right front lifting handle. Bind both ends with a load binder and two D-rings.
- ④ Pass a 30-foot tiedown strap across the top of the plywood and through the two center paulin hooks on each side of the trailer. Bind both ends on top of the plywood with a load binder and a D-ring.

Figure 6-3. Teletypewriters positioned and secured.

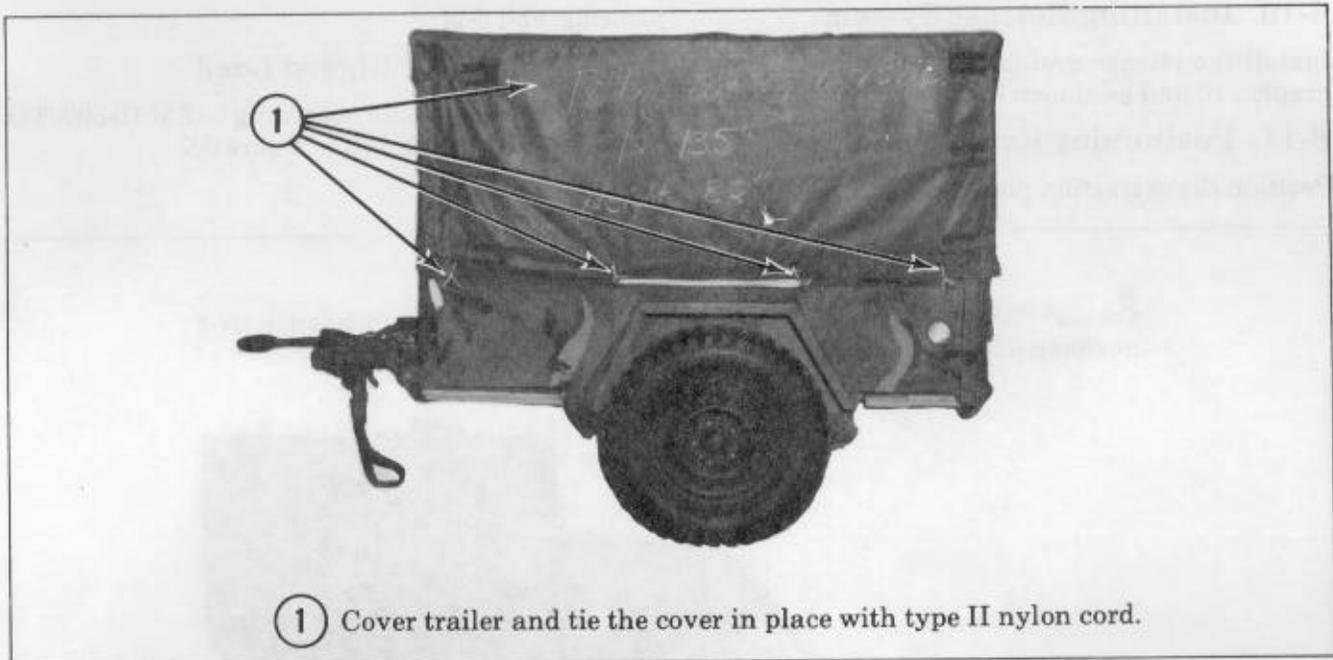


Figure 6-4. Trailer prepared.

6-5. Positioning Trailer

Position the trailer on the honeycomb stacks as described in paragraph 5-5.

6-6. Installing Lashings

Lash the trailer to the platform as shown in figure 5-5.

6-7. Stowing Cargo Parachute

Stow the cargo parachute as described in paragraph 5-7 and as shown in figure 5-6.

6-8. Installing Extraction System

Install the extraction system as described in paragraph 5-8 and shown in figure 5-8.

6-9. Safetying Suspension Slings

Safety the suspension slings as outlined in FM 10-500/TO 13C7-1-5. (Also see figure 5-8.)

6-10. Installing Release System

Install the release system as described in paragraph 5-10 and as shown in figure 5-9.

6-11. Positioning Extraction Parachute

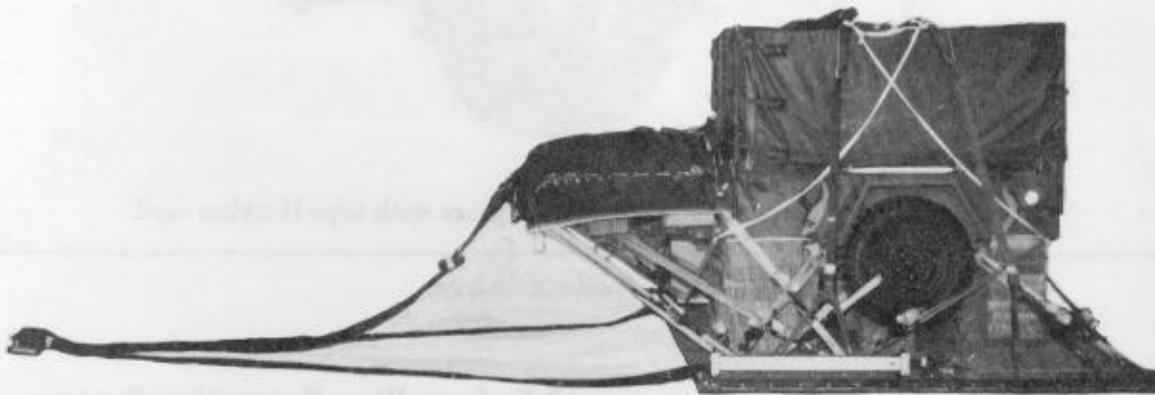
Position the extraction parachute as described in

paragraph 5-11.

6-12. Marking Rigged Load

Mark the rigged load according to FM 10-500/TO 13C7-1-5 and as shown in figure 6-5.

Caution: The rigged load MUST be given a complete final inspection by a qualified parachute rigger before the load leaves the rigging site.



Weight	2,950 pounds
Height	82 inches
Width	108 inches
Length	132 inches
Overhang: Rear	36 inches
Center of Balance (from front edge of platform)	52 inches
Extraction System (shown)PEFTC

Figure 6-5. Rigged load.

6-13. Equipment Required

Use the equipment listed in tables 2-1 and 6-1 to rig this load.

Table 6-1. Equipment required for rigging trailer with AN/MGC-34 teletypewriter.

National Stock No.	Item	Quantity
1670-00-753-3928	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-in: 12- by 49-in 18- by 18-in 23- by 49-in 23- by 47-in	8 sheets (2) (1) (1) (2)
5530-00-128-4981	Plywood, 3/4-in: 24- by 41-in 45- by 72-in	2 sheets (4) (1)
1670-00-937-0271	Tiedown Assembly, 10,000-lb	23
1670-00-937-0272	Binder, load	23
5365-00-937-0147	D-ring, 10,000-lb	23
1670-00-937-0273	Strap, 15-ft	23

APPENDIX

REFERENCES

- | | |
|---|--|
| AFR 71-4/TM 38-250 | Packaging and Materials Handling: Preparation of Hazardous Materials for Military Air Shipment |
| FM 10-500/TO 13C7-1-5 | Airdrop of Supplies and Equipment: General Information for Rigging Airdrop Platforms |
| FM 10-553/TO 13C7-18-41 | Airdrop of Supplies and Equipment: Rigging Ammunition |
| TM 9-2330-201-14 | Operator's, Organizational, Direct Support and General Support Maintenance Manual (Including Repair Parts and Special Tools List): Trailer, Cargo, Amphibious: 1/4-Ton, 2-Wheel, M100 (FSN 2330-732-8227): Trailer, Chassis: M115 (2330-835-8590) and Trailer, Maintenance: Telephone Cable Splicer, M367 (2330-215-4211) |
| TM 9-2330-251-14 | Operator's, Organizational, Direct Support and General Maintenance Manual, (Including Repair Parts and Special Tools Lists): Trailer, Cargo, 1/4-Ton, 2-Wheel, M416 (NSN 2330-00-706-5495), M416B1 (2330-00-017-9589): Trailer, Chassis, 1/4-Ton, 2-Wheel, M569 (2330-884-4817), M569B1 (2330-00-226-5649): 3/4-Ton, 2-Wheel, M762 (2330-00-933-7462) and Trailer, Cable Splicer: 1/4-Ton, 2-Wheel, M1716 (2330-00-782-6062) |
| TM 10-1670-208-20&P/TO 13C3-4-12 | Organizational Maintenance Manual (Including Repair Parts and Special Tools List) for Platforms, Type II Modular and LAPES/Airdrop Modular |

FM 10-518/TO 13C7-3-371

29 JANUARY 1982

By Order of the Secretaries of the Army and the Air Force:

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