

CHAPTER 3

RIGGING TRAILER WITH LIGHTWEIGHT, EXPANDABLE TENT

3-1. Description of Load

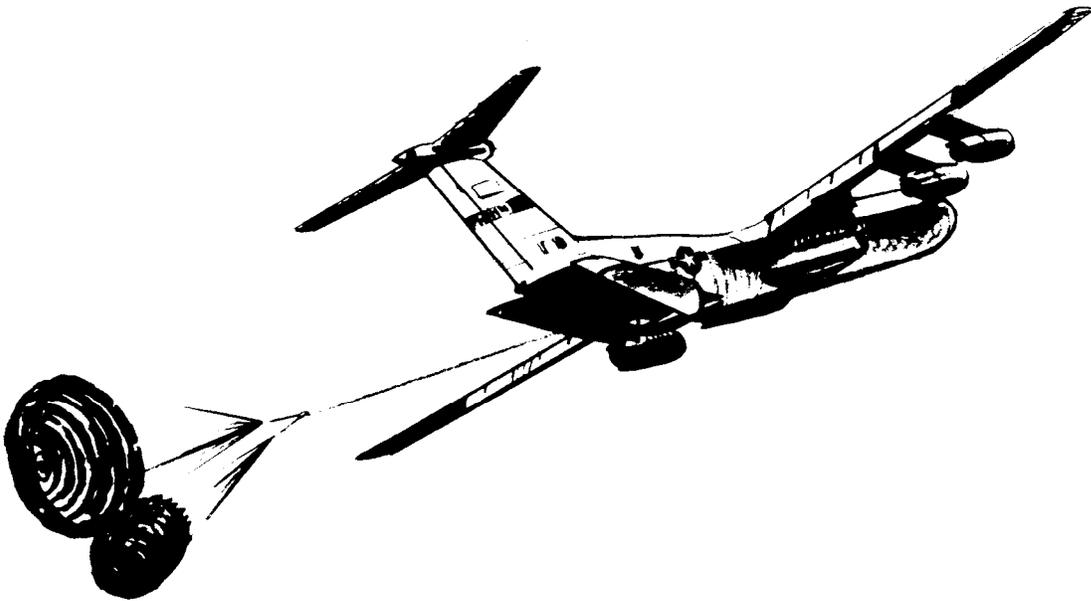
The M416 trailer with tent, 16-foot by 16-foot, and accompanying load are rigged on an 8-foot modular platform. The load requires either one G-11A or one G-11B cargo parachute. The five cases of rations, end and intermediate section of the tent, camouflage net with poles, tent pins in a duffel-bag, shovel, and hammer are stowed in the trailer. The items stowed in the trailer weigh 495 pounds. The arch, purlin, and header assemblies for the tent weigh 210 pounds and are stowed on the platform.

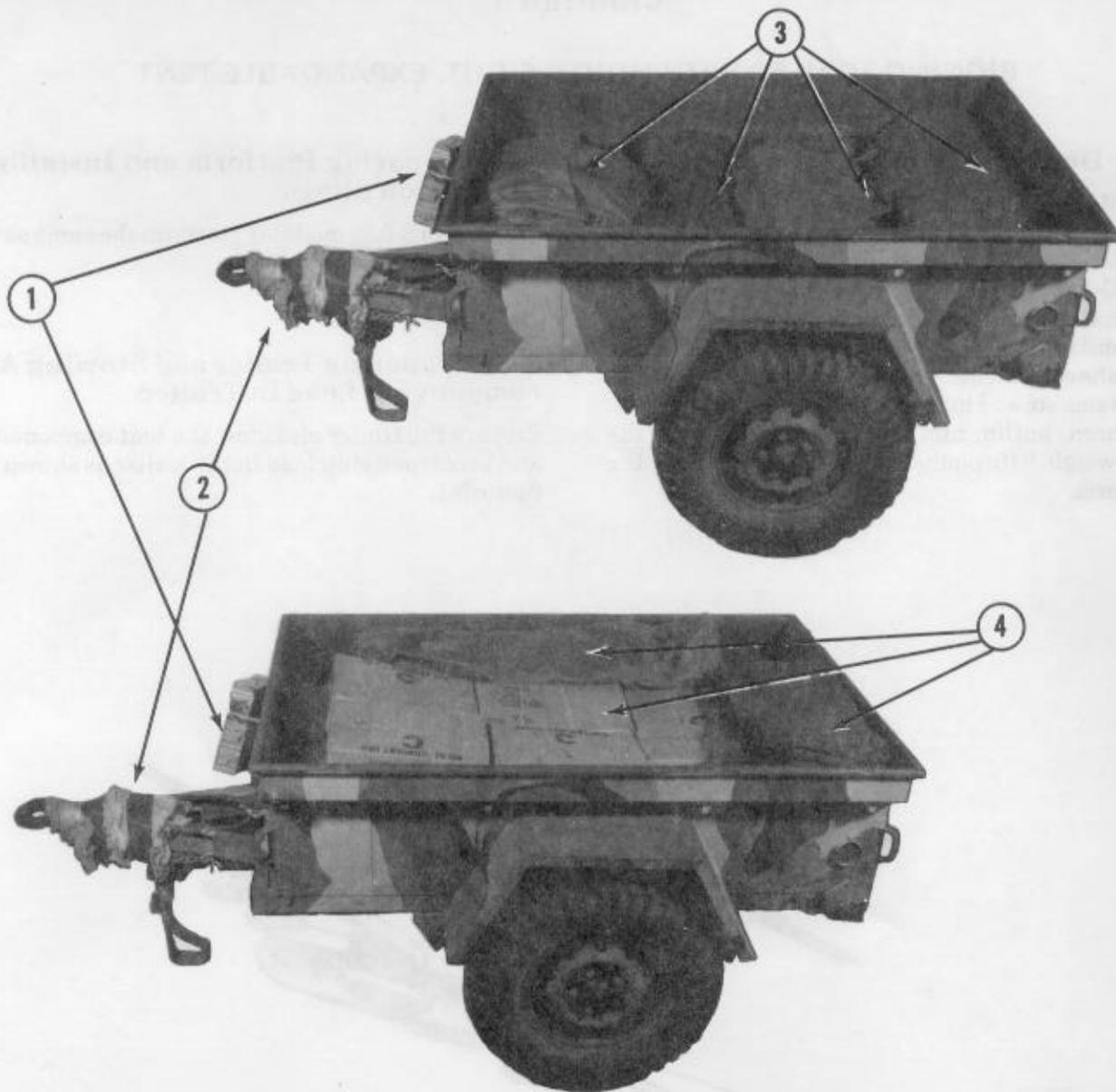
3-2. Preparing Platform and Installing Suspension Slings

Prepare an 8-foot modular platform the same as in chapter 2, paragraph 2-2.

3-3. Preparing Trailer and Stowing Accompanying Load in Trailer

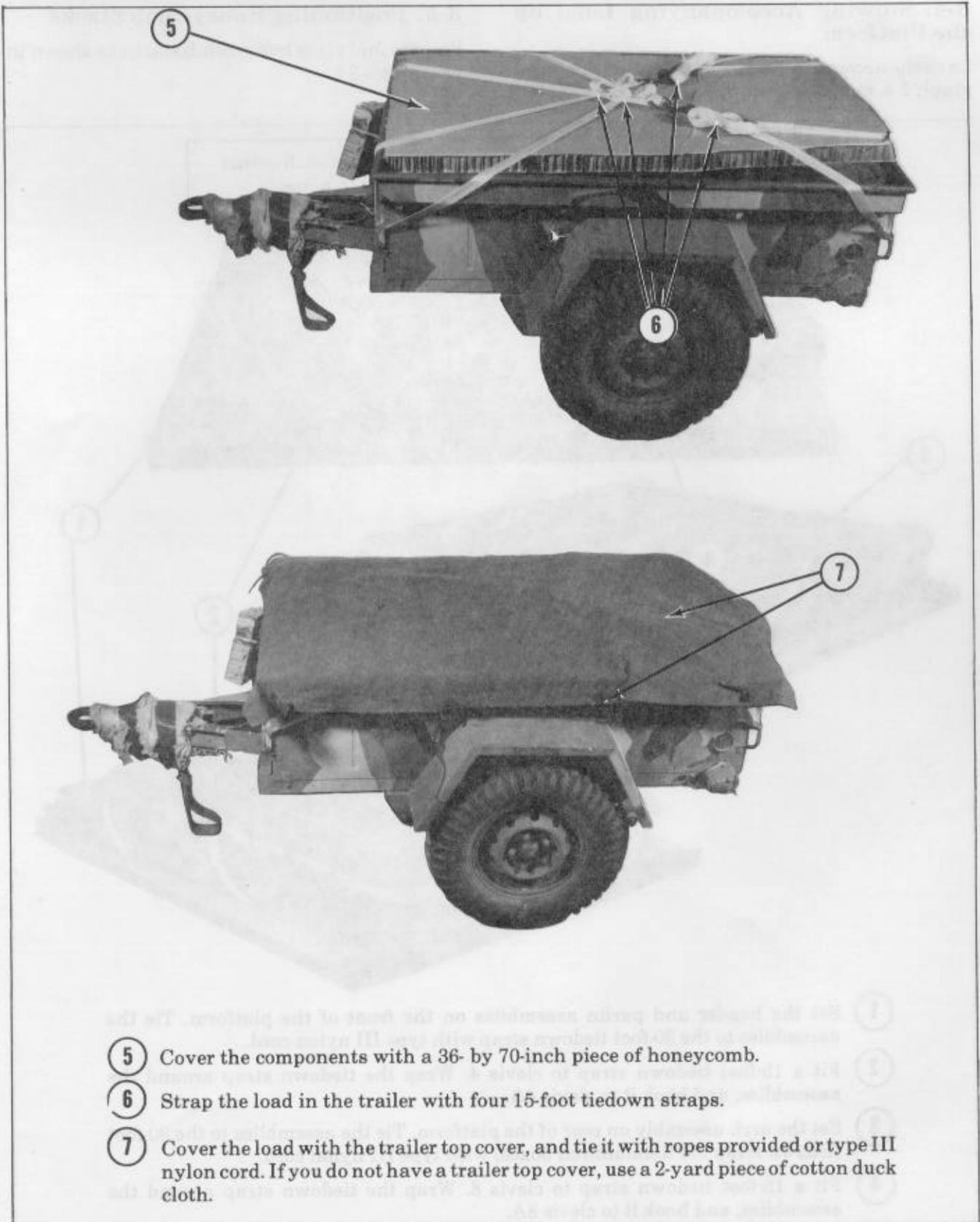
Prepare the trailer and stow the tent components and accompanying load in the trailer as shown in figure 3-1.





- ① Tie the handbrake in the unlocked position with type III nylon cord. Cover the brake with a 12- by 12-inch piece of honeycomb, and tie it in place with type III nylon cord.
- ② Fold the intervehicular cable and tie the cable and chains to the drawbar with type III nylon cord. Pad the drawbar with cellulose wadding, and tape it.
- ③ Set camouflage net and canvas component of the tent in the bed of the trailer.
- ④ Set five cases of rations, camouflage net poles, and dufflebag with tent pins on the tent.

Figure 3-1. Preparing the trailer and stowing the accompanying load in the trailer.



- ⑤ Cover the components with a 36- by 70-inch piece of honeycomb.
- ⑥ Strap the load in the trailer with four 15-foot tiedown straps.
- ⑦ Cover the load with the trailer top cover, and tie it with ropes provided or type III nylon cord. If you do not have a trailer top cover, use a 2-yard piece of cotton duck cloth.

Figure 3-1. Preparing the trailer and stowing the accompanying load in the trailer (continued).

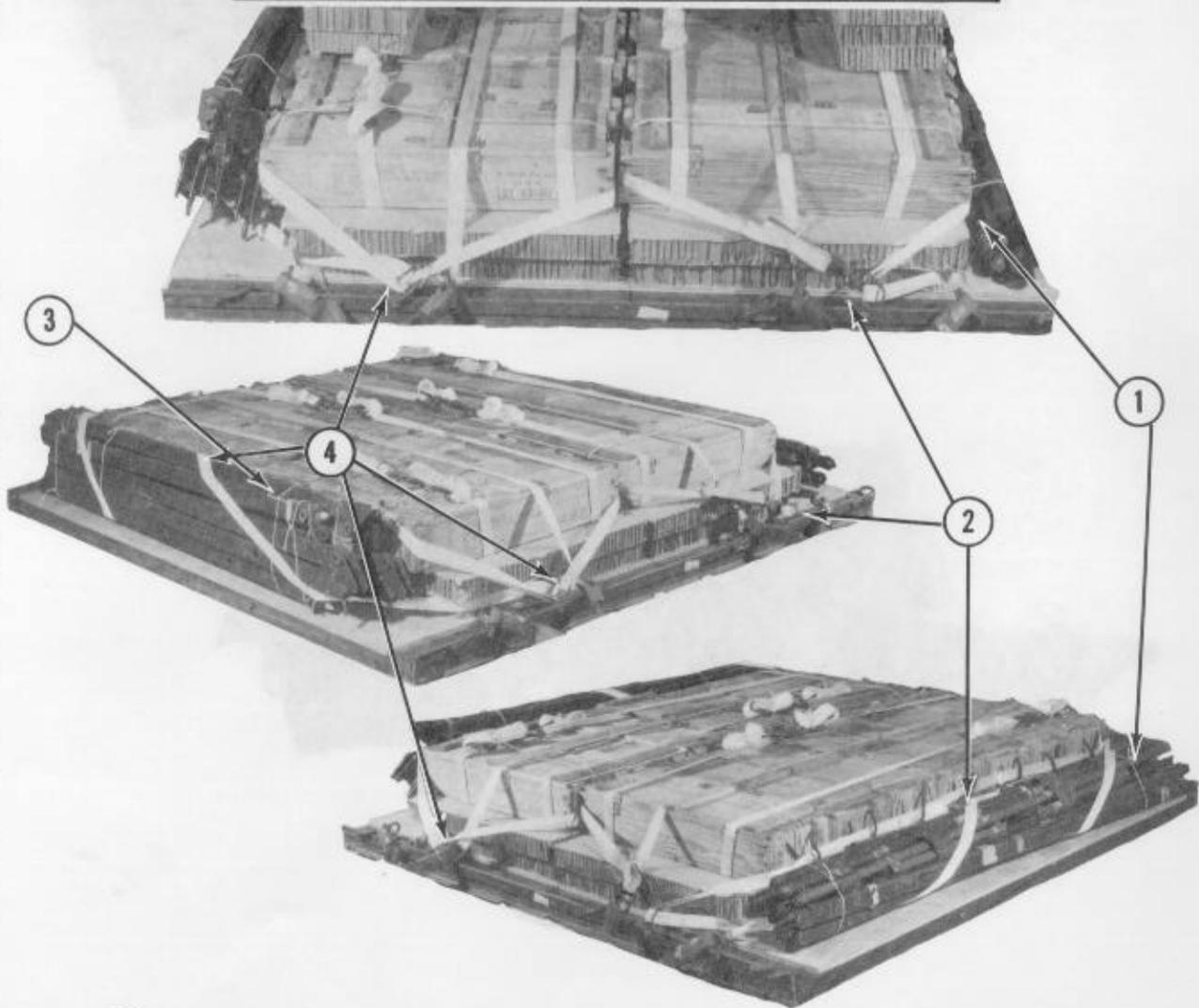
3-4. Stowing Accompanying Load on the Platform

Lash the accompanying load the same as in paragraph 2-4, and as shown in figure 3-2.

3-5. Positioning Honeycomb Stacks

Prepare and place honeycomb stacks as shown in paragraph 2-5.

Note: Use a length of type III nylon cord on each corner ammunition box to safety lashing in place.



- ① Set the header and purlin assemblies on the front of the platform. Tie the assemblies to the 30-foot tiedown strap with type III nylon cord.
- ② Fit a 15-foot tiedown strap to clevis 4. Wrap the tiedown strap around the assemblies, and hook it to clevis 4A.
- ③ Set the arch assembly on rear of the platform. Tie the assemblies to the 30-foot tiedown strap (on ammunition boxes) with type III nylon cord.
- ④ Fit a 15-foot tiedown strap to clevis 8. Wrap the tiedown strap around the assemblies, and hook it to clevis 8A.

Figure 3-2. Stowing the accompanying load on the platform.

3-6. Positioning Trailer

Position trailer as in paragraph 2-6.

3-7. Rigging Trailer

a. Install the lashings as shown in paragraph 2-8.

b. Safety suspension slings as shown in figure 3-3.

c. Finish rigging the trailer the same as in paragraphs 2-8 through 2-13.



Figure 3-3. Safetying suspension slings.

3-8. Marking Rigged Load

Mark the rigged load according to FM 10-500/TO 13C7-1-5, using the following data:

Weight	3,730 pounds
Height	83 inches
Width	108 inches
Length	123 inches
Overhang: Rear	27 inches
Center of Balance (from front edge of platform)	52 inches

3-9. Equipment Required

The equipment listed in tables 2-1 and 3-1 are used to rig this load.

Table 3-1. Equipment required to rig the trailer with the lightweight, expandable tent.

National Stock No.	Item	Quantity
1670-00-753-3928	Pad, energy-dissipating honeycomb, 3- by 36- by 96-in 36- by 70-in	1 sheet (1)
1670-00-937-0271	Tiedown Assembly, 10,000-lb	2
1670-00-937-0272	Binder, load	2
5365-00-937-0147	D-ring, 10,000-lb	2
1670-00-937-0273	Strap, 15-ft	2