ERECTING FRAMES

R-3447 - FLOOR SUPPORTED HOISTING CENTER

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1. GENERAL

1.1 Scope

1.11 This section covers instruction for the assembly and use of the R-3447 Floor Supported Hoisting Center for erecting frames.

1.12 The R-3447 Floor Supported Hoisting Center is recommended for use only where ceiling inserts or beam clamps are not available for Erecting Frames. In these cases, the R-3447 Fixture supports two (2) one ton aluminum chain hoists used to hoist the frame to a vertical position after which the standard dolly truck is attached to the frame and the frame conveyed to its permanent location in the regular manner as described in other sections of this handbook.

1.13 General precautions are covered in the general sections of this handbook and in Handbook 0.

2. HEIGHT REQUIREMENTS

2.1 Where there are no height restrictions use 9th hole in lower support leg and have spreader assembled at maximum width.

2.2 Lift both legs on one end simultaneously a maximum of 3 holes at one time. Then lift other pair of legs to balance ganty.

2.3 Where there is a height restriction due to auxiliary framing use 8th hole and adjust spreader assembly for maximum available height. This will limit the hoisting center to a 5'-8" wide frame when hoisting without skid in the normal manner between the legs and under one chain hoist.

3. METHOD OF DISASSEMBLY

3.1 Method of disassembling the fixture is the reverse of that for assembly. Main support legs should be in lowest position before disassembly.

4. METHOD OF ASSEMBLY

4.1 The R-3447 can be assembled without tools by two men. Figures 1 thru 10 outline recommended sequence for assembly. Figure 11 shows the complete assembly of the Hoisting Center and Figure 12 shows Hoist Support Location.

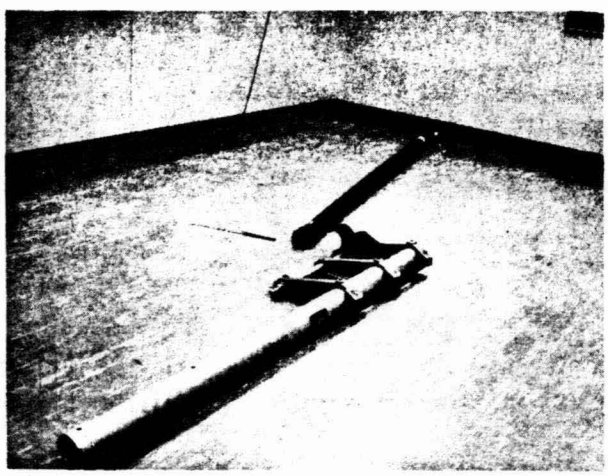

Fig. 1 - attach one leg assy. to short half of beam - note position of yoke and elevating knob - observe color coding on leg and yoke.

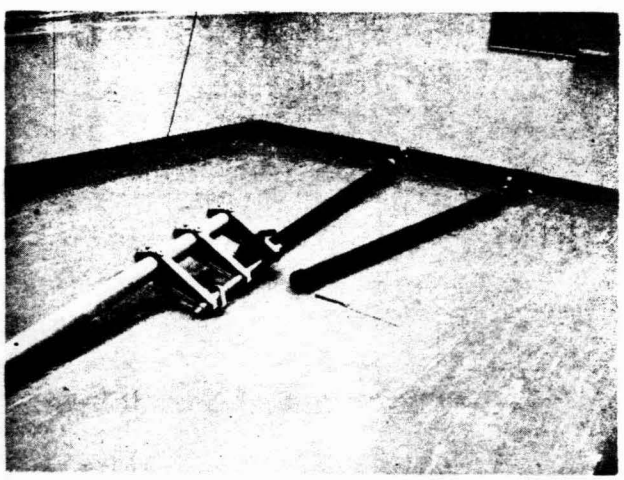

Fig. 2 - flip beam over and attach second leg assembly - note position of yoke and elevating knob - observe color coding on leg and yoke.

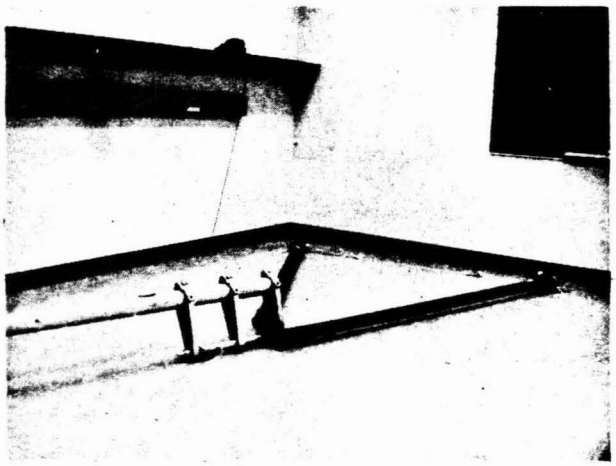

Fig. 3 - attach spreader adjusting chain and pull taught.

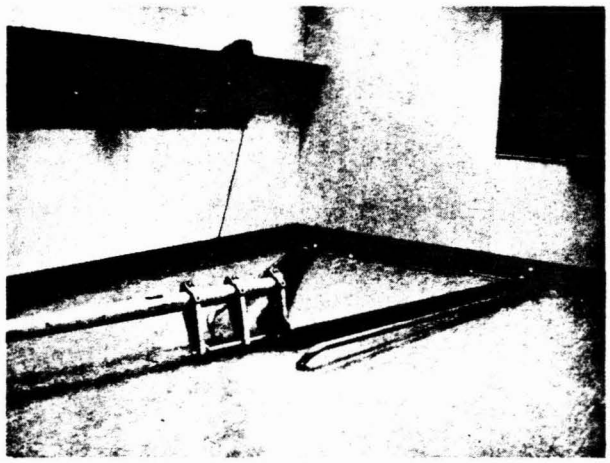

Fig. 4 - attach both brace legs at bottom, observing color code.

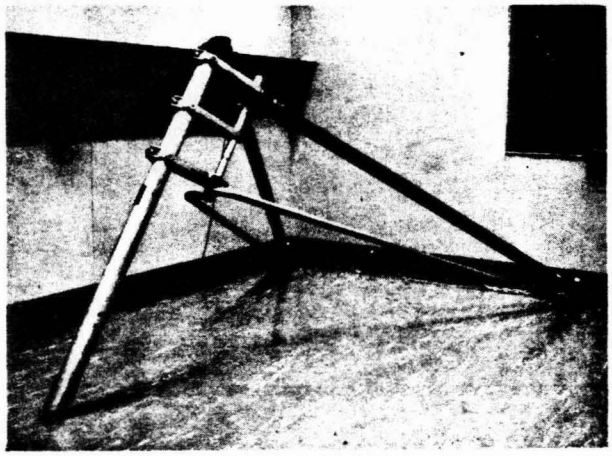

Fig. 5 - raise beam and leg assembly to position shown and attach brace legs.

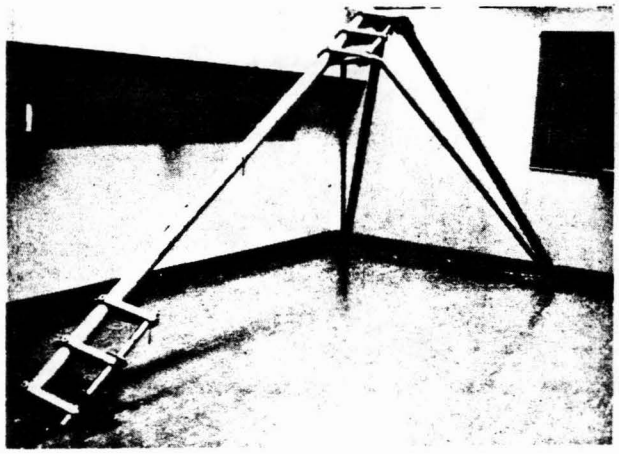

Fig. 6 - attach remaining beam assembly as shown - note position of yokes.

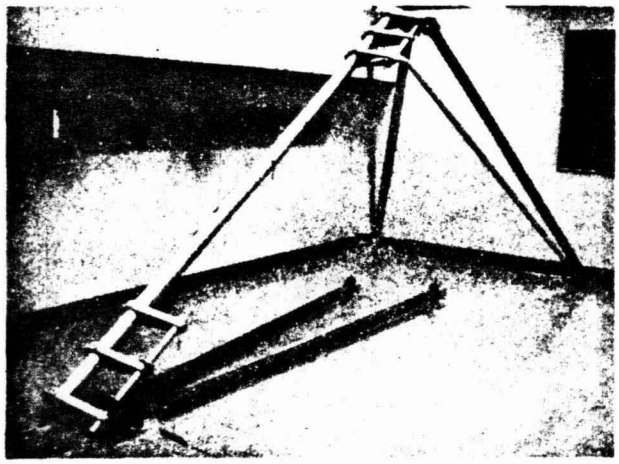

Fig. 7 - attach remaining two legs note position of elevating knob - observe color code.

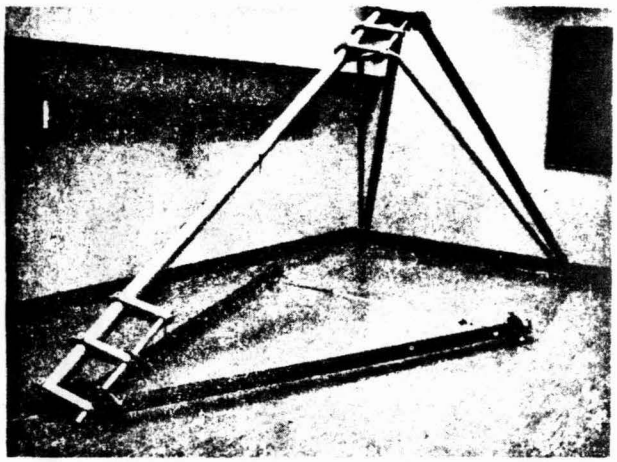

Fig. 8 - attach spreader adjusting chain and pull taught.

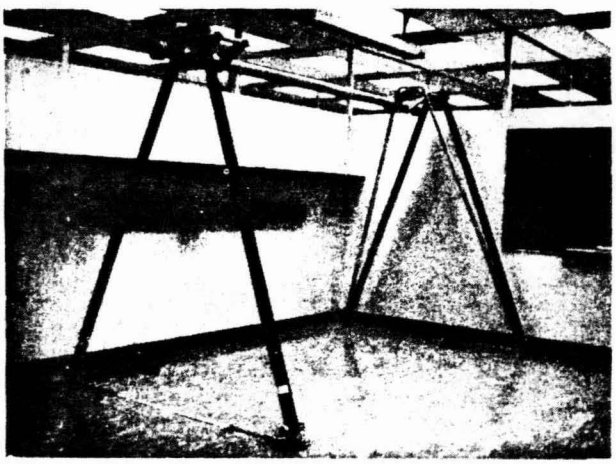

Fig. 9 - raise ganty to position shown.

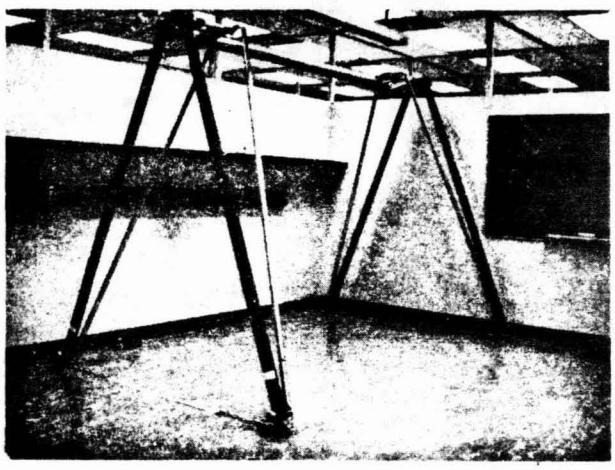

Fig. 10 - attach brace legs observing color code. Place beam assembly opposite desired discharge side of gantry to facilitate frame removal after erecting.

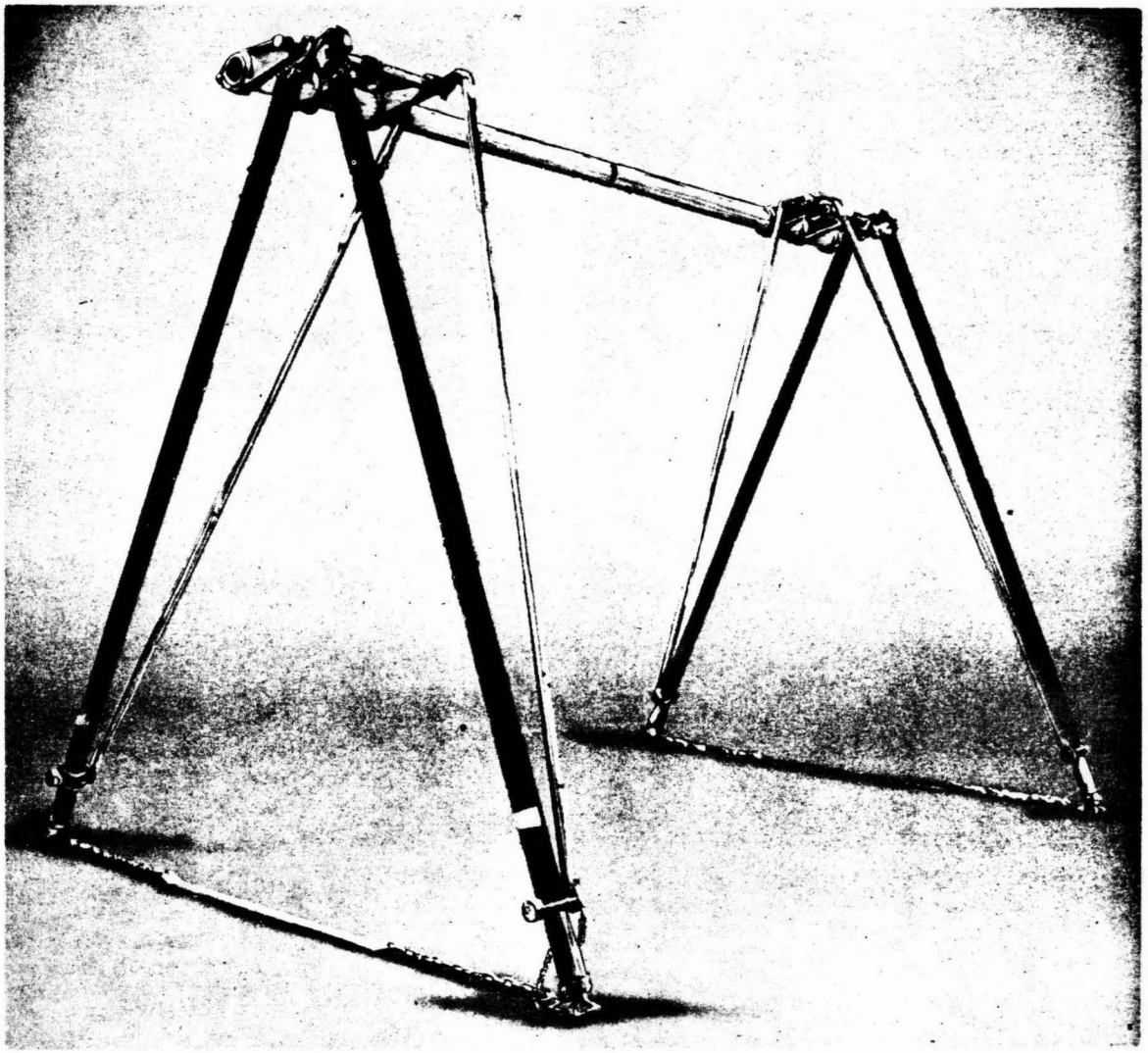

FIG. 11 ASSEMBLY OF R-3447 - FLOOR SUPPORTED HOISTING CENTER.

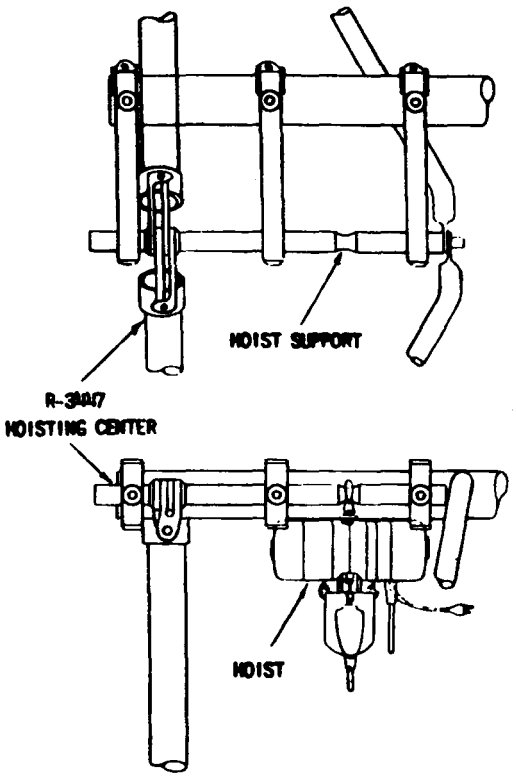

FIG. 12 HOIST SUPPORT LOCATION

→ Arrowed lines indicate new or changed information.

Manager, Engineering Planning

Reason for Reissue:
To add Fig. 12 - Hoist Support Location.