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STATIC TEST OF THE
TH 405 SHIPPING DOLLY (U)

Organization 7300 Environmental Test Report

CENTRAL TECHNICAL FILE	
ACCOUNTABILITY CARD	
FILE NO. TH	405
880	3-2

E. W. Coomes, Org. 7322

Approved by H P Wheeler
Project Leader - 7322

Approved by E White
E. White - 7331

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STATIC TEST OF THE
TH 405 SHIPPING DOLLY (U)

Introduction

The object of this test was to demonstrate the ability of the TH 405 shipping dolly to withstand aircraft shipment static-qualification loads. The TH 405 shipping dolly has been designed by Division 1543 to transport the XW62 warhead by air and truck.

This test was requested by F. A. Kunz, 1543 on June 30, 1965. Mr. D. L. Krenz, 7331, was the Test Project Engineer. The test item was received and ready for testing on August 2, 1965; the test was completed on August 5, 1965.

Procedure and Results

The TH 405 shipping dolly was secured in a static jig with aircraft tiedowns reacting the loads as shown in Figures 1 through 4. The test was performed in three conditions to demonstrate the Th 405 shipping dolly's ability to withstand aircraft shipment static-qualification loads.

Condition 1

Static loads of 2064 pounds (4g) were applied at P_1 and 2324 pounds (4g) were applied across the forward end at P_2 as shown in Figure 1. Figure 2 shows the test unit in the static jig but does not show the point of applied loads. Reaction brackets were placed under the forward end of the dolly to keep it from tipping downward when loaded.

Condition 2

Static loads of 774 pounds (1.5g) were applied at P_3 and 871 pounds (1.5g) were applied at P_4 as shown in Figure 3. P_4 was divided evenly with 435 pounds being applied at front and rear of the dolly, respectively.

Condition 3

Static loads of 1290 pounds (2.5g) were applied at P_5 and 1452 pounds (2.5g) were applied at P_6 as shown in Figure 4. P_6 was divided evenly with 726 pounds being applied at front and rear of the dolly, respectively.

No failure occurred during the above test conditions of the TH 405 shipping dolly.

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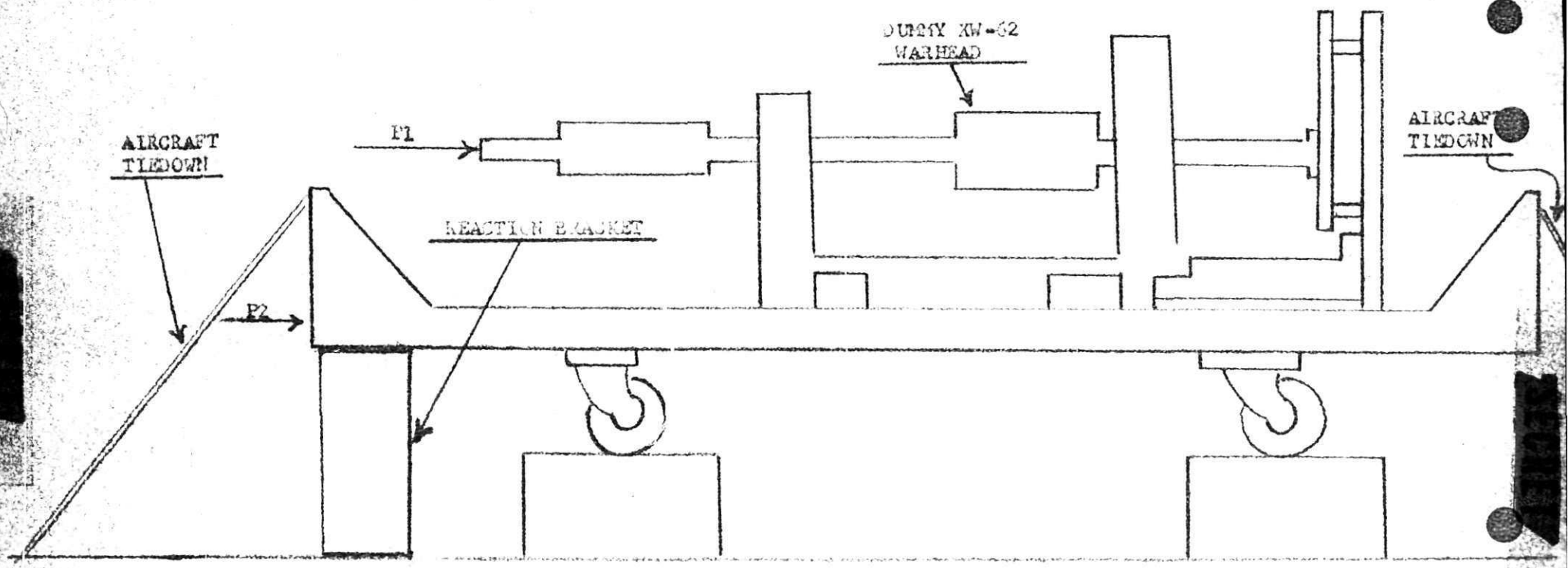

FIG. 1-TEST SETUP FOR LOAD CONDITION 1--STATIC TEST FOR THE TH-405 SHIPPING DOLLY

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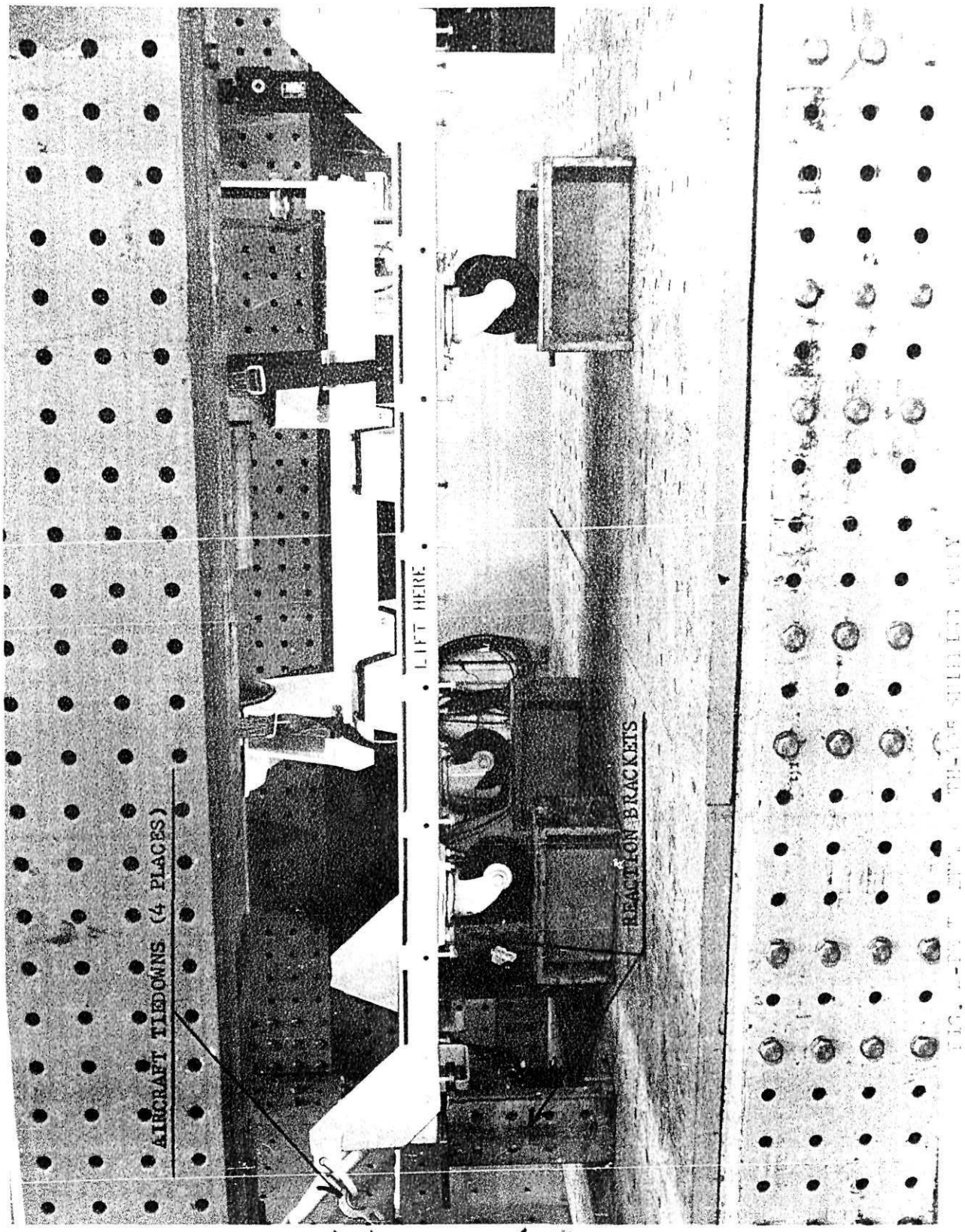

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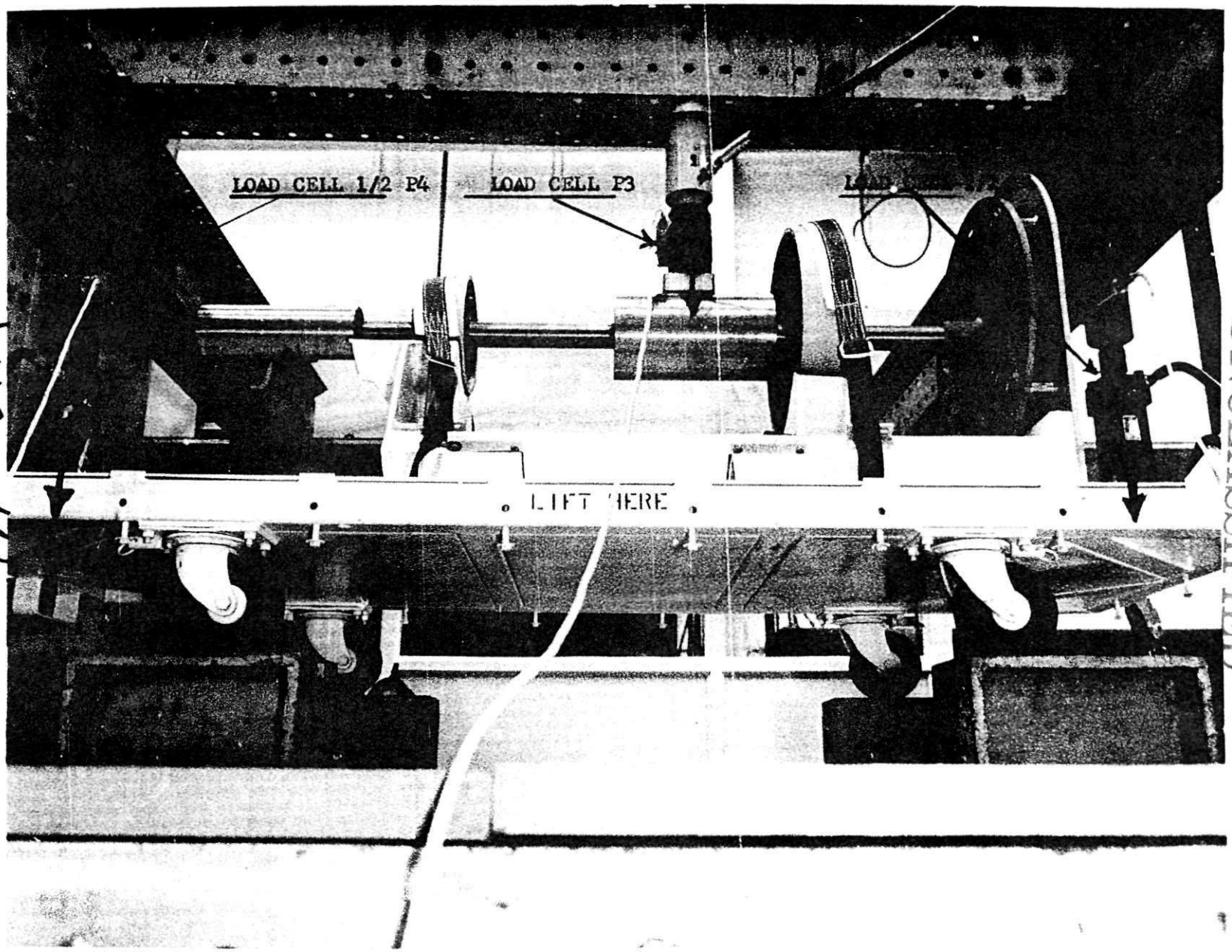

IG. 3-TEST [illegible] FOR LOAD CONDITION 2--STATIC TEST FOR THE TH-405 SHIPPING DOLLY

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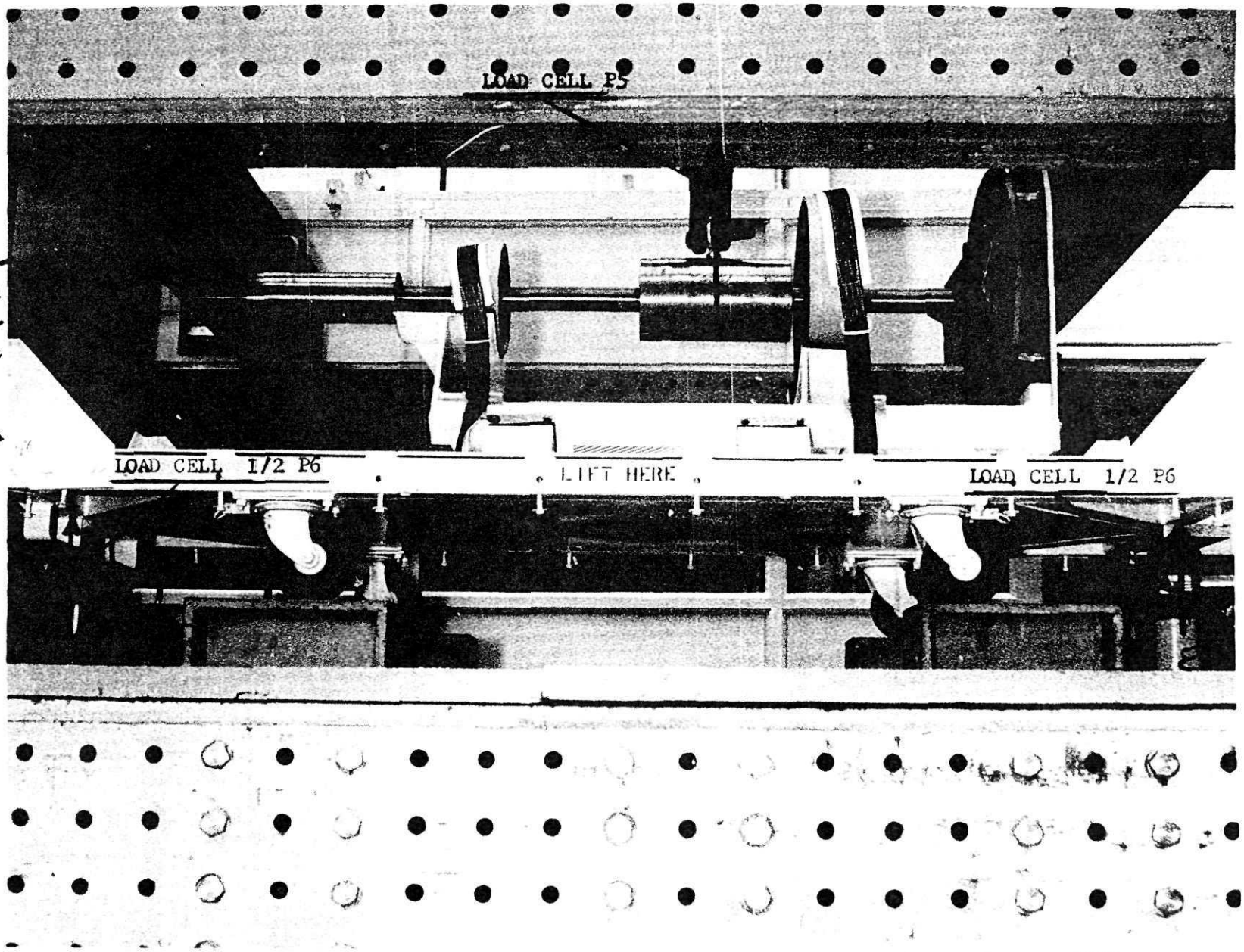

FIG. 4-TEST SETUP FOR LOAD CONDITION 3--STATIC TEST FOR THE TH-405 SHIPPING DOLLY

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