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MR. L. A. DUNN - 1284

- 2 -

Ref. Symbol: 1611
Project No. ET-886Results

When one psi gauge of air pressure was applied internally to the container, the rear face bowed and air leaked audibly from around the gasket. A second container was then supplied. This container buckled at two diagonally opposite corners when the internal pressure reached 4.1 psi gauge (Fig. 1). However, because the container did not seem to leak around the buckled places, three runs of pressure versus time were made, with an initial pressure of 3 psi gauge. The soap-bubble tests failed to reveal any leaks, but a final check using Freon 12 gas and the General Electric Freon detector revealed numerous leaks. These leaks were not around the gasket but at the spot welds which hold the wheel plates and the angle-iron reinforcements. These leaks were of the order of 4 cc of Hg per hour.

John W. Martin
Test Conducted by J. W. MARTIN - 1611

Original Signed By
R. L. WAGAR

Approved by R. L. WAGAR - 1611

JWN:1611:nj

Encls: Fig. 1

Copy to:

J. R. Townsend - 1600

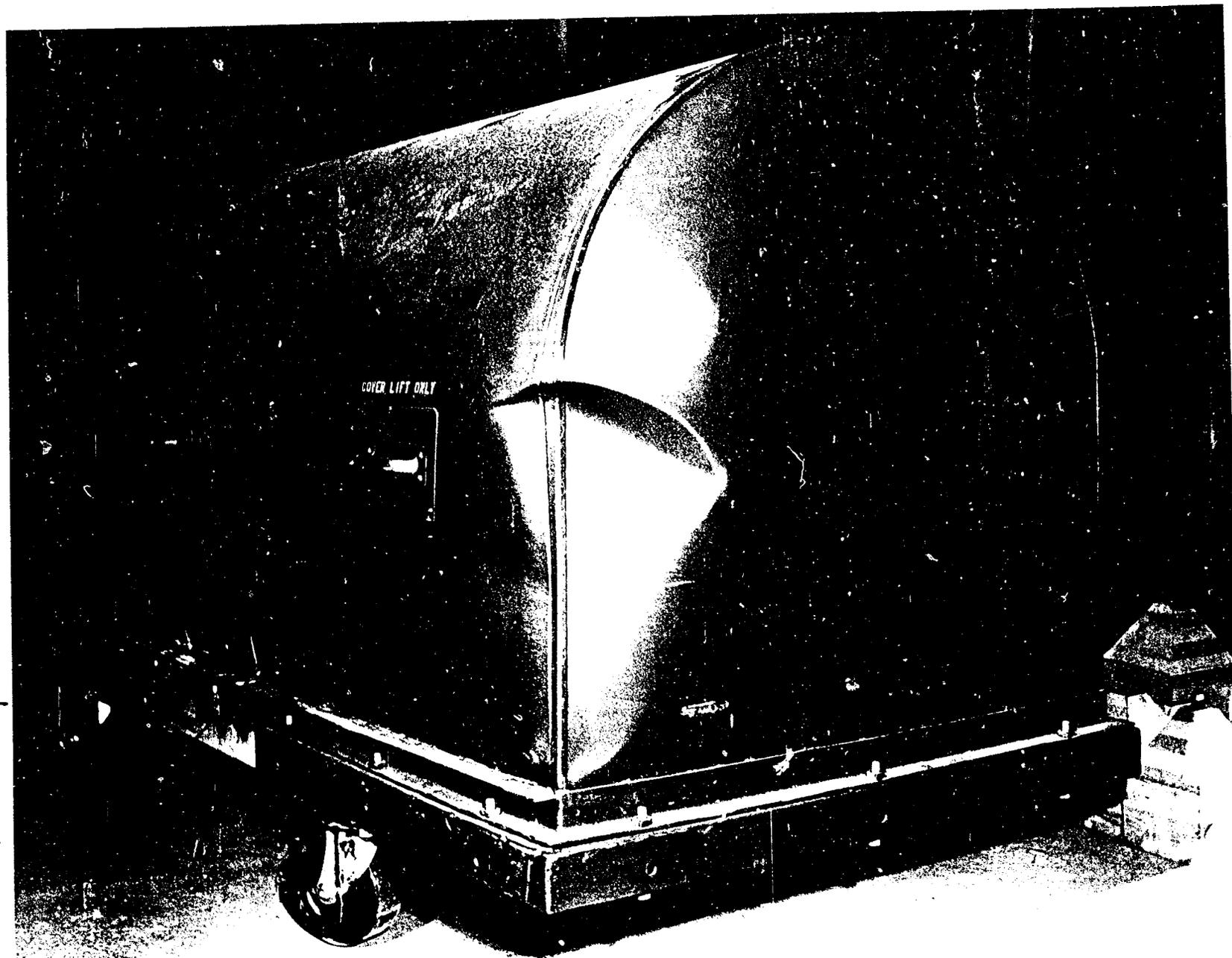
A. F. Cone - 1510

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J. K. Ralls - 1521-4 Attn: 1500 Drawing File 

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FIG 1 - DAMAGE RESULTING FROM PRESSURE TEST