

FORM (U-1) MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by Bethlehem Steel Company, Bethlehem, Pa.
(Name and address of the manufacturer)

2. Manufactured for General Electric Co., Squantum Tube Works, Squantum, Ill.
(Name and address of the purchaser)

3. Type Horizontal Unfired Pressure Vessel No. (2529-271) (20572 50 736) Year built 1940
(Horizontal or Vertical) (Mfr.' serial, or A.S.M.E. No.) (Name and Class No.)

4. Have all test reports been checked on all the plates entering this unfired pressure vessel? Yes

Do the chemical and physical properties of all plates meet the requirements of the Code? Yes

5. Sheets or Plates: No. 1 Diameter 8 ft. 10 in. Length over all 57 ft. 0 1/2 in. Height 7 ft. 7 in.
Grade "B" F.B. (or steel)

6. Stays on shell plates 24 5/8, 70,000 Rivets, stays, and braces
(Brand and Lowest Tensile Strength)

7. Shell Plates: 1/2 in. Butt stays 1/2 in. Style of seams: Longitudinal Pattern Welded Girth Pattern Welded
(Outer Thickness) (Thickness) (Riveted, Forge Welded, Braised, or Pattern Welded—Pat. No.)

8. Diameter of rivet holes 1/2 in. Pitch of rivets 1 1/2 in. Efficiency of joint 80 %

9. Girth Joints: Diameter rivet holes 1/2 in. Pitch of rivets 1 1/2 in. No. of courses 7
(Single or Double Riveted)

10. Girth Seams: 1/2 in. Style of seams: Longitudinal Girth Length of section or course 2 ft. 6 3/8 in.
(Thickness) (Riveted, Forge Welded, Braised, or Pattern Welded—Pat. No.)

11. Head or End: 1/2 in. Radius of Girth 11 1/2 in. Side to pressure Outside
(Thickness) (Radius of Girth) (Outside or Inside)

If removable, bolts used 1/2 or method of fastening Welded
(Number and size) (Description or sketch)

STAYS	No.	Size	Net Area	Welded or Riveted
(a) F. H.				
(b) R. H.				
(c) Through				
(d) Diagonal and Girth Stays				

12. Staybolts: 1/2 in. If hollow 1/2 in. 14. Maximum pitch 1 1/2 in. X
(Iron or Steel) (Size of hole) (Horizontal) (Vertical)

15. SAFETY VALVE outline: No. 1 Size 1/2 in.

16. FILLING FLOO (if used): No. 1 Diameter and material of filling 1/2 in. Location Top

17. OUTLETS: No. 2 Size 1/2 in. Material of nozzle or reinforcement Forged Steel How attached Welded
(Riveted, Welded, etc.)

18. DRIFT CONNECTION: 1/2 in. HANG HOLES OR STAY HOLES 1/2 in.
(Size) (M.E. Cover 25" O.D. & 3/16" 14 Bolt 5 1/4" (Number, size, and location))

19. MANHOLES: 1 18" dia Top Reinforcement 1/2" Helical Rod
(Number) (Size and location of each) (Riveted, Welded, etc.)

20. NONPRESSURE PARTS: (a) Supporting legs 1 Supporting skirts 1 (b) Other nonpressure parts 1
(Number) (Kind and number)
(c) Where and how attached Welded

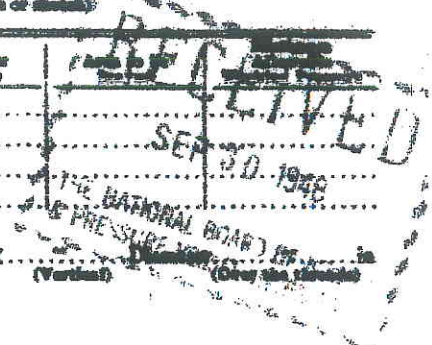
21. Working pressure 1000 psi Hydrostatic test 1500 lb 22. Constructed for pressure of 200 psi Factor of safety 5

Remarks: Vessel to be used for propane storage.
(Vessel to be used for air, gas, ammonia, etc.)

Pressure tested at 300 lbs.

We certify the above data to be correct and that all details of material, construction, and workmanship on this unfired pressure vessel conform to the A.S.M.E. Code for Unfired Pressure Vessels.

Date July 20, 1940 Signed Bethlehem Steel Company
Certificate of authorization expires Dec. 31, 1940.



CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number T-100-48-106

VESSEL MADE BY Bethlehem Steel Co. at Bethlehem, Pa.

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in THE STATE OF Pennsylvania and employed by the Travelers Indemnity Co.

of Easton, Pa. inspected internally and externally, the vessel specified in this report, on April 11

and certify that the statements made on this report are correct, corresponding with the mill test reports of material as furnished by the builders, and measurements made of the vessel when completed; and that this vessel is constructed in accordance with the A.S.M.E. Code Rules for the Construction of Unfired Pressure Vessels.

R. A. Hagan
R. A. HAGAN

E.B. 2420, N.Y. 1220, Pa. 1270
Inspector for State or Boiler Insurance Company.