

MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by **AMERICAN CAR AND FOUNDRY COMPANY, MILTON, PA.**
2. Manufactured for **Stacey-Dresser Engineering, 1900 Superior Ave., Cleveland, Ohio**
(Name and address of the purchaser)
3. Type **Horizontal** Unfired Pressure Vessel No. **ST-494-64** NB **3221** Year built **1947**
(Horizontal or Vertical) (Mfrs. Serial or A.S.M.E. No.) (Plate and State No.)
4. Have mill 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. SHELL or DRUMS: No. **1** Diameter **8** ft. **7** in. Length over all **70** ft. **2** in. Height **1** ft. **0** in.
(or length)
6. STAMPS on shell plates **SA-212 Grade "B" Firebox 70000** Rivets, stays and braces **FW U68** **FW U58**
(Braced and lowest tensile strength) (Iron or Steel)
7. SHELL PLATES **53/64** in. Butt straps **FW U68** in. Style of seams: **Longitudinal** Girth **U58**
(Outer) (Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Type of)
8. Diameter of rivet holes **1** in. Pitch of rivets **X** **X** Efficiency of joint **90** %
9. GIRTH JOINTS Diameter rivet holes **1** in. Pitch of rivets **X** in. No. of courses **8**
(Single or double riveted)
10. INNER SHELL **3/4"** in. Style of seams: **Longitudinal** Girth **Concave** Length of section of course **8** ft. **2** in.
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Type of)
11. HEADS: Flat or dished **3/4"** in. Radius of dish **D/4 Ell** in. Side to pressure **Concave**
(Thickness) (Concave or convex)

If removable, bolts used **1** or method of fastening **1**
(Number and size)

STAYS		No.	Size	Net Area	Welded or Riveted	Area to be Stayed	Maximum Allowable Working Pressure
(a) F. H.							
(b) R. H.							
(c) Through							
(d) Diagonal and Gusset Stays							

12. STAYBOLTS **1** If hollow **1** (Size of Hole) **1** 14. Maximum pitch **X** (Horizontal) **X** (Vertical) Diameter **1** in. (Over the threads)
15. SAFETY VALVE outlets: No. **2** Size **4-1/16"**
16. FUSIBLE PLUG (if used): No. **1** Diameter and material of filling **Steel** Location **Weld**
17. OUTLETS: No. **1** Size **3/4"** Material of nozzle or reinforcement **Steel** How attached **Weld**
(Riveted, welded, etc.)
18. DRAIN connection **1 - 3** in. Handholes or Sight Holes **1** (Number, size and location)
19. MANHOLES **1** **20"** top end of tank Reinforcement **35 1/2 x 53/64 x 21 1/2" welded**
(Number) (Size and location of each) (Riveted, welded, etc.)
20. Method of supporting vessel **Customer to furnish**
21. Bursting pressure **1003** lb. per sq. in. Hydrostatic test **200** lb.
22. Constructed for pressure of **200** lb. per sq. in. Maximum stress in shell plate **12558** lb. per sq. in.

Remarks: **Vessel fabricated and intended for service as an Unfired Pressure Vessel under Par. U-68 (Propane Storage)**
(Vessel to be used for air, gas, ammonia, etc.)

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

Signed: **AMERICAN CAR AND FOUNDRY COMPANY**

Date **SEP 3 1947** 19 **47**

By **A. Friedman**

FORM 1911 MINEO. BOND

AUTHORIZATION No. 677 EXPIRES DEC. 31, 1948

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number 1132 1252

Vessel made by **AMERICAN CAR AND FOUNDRY COMPANY, MILTON, PA.**

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in **THE STATE OF PENNSYLVANIA**, and employed by the **Hartford Steam Boiler Inspection and Insurance Co. of Hartford, Conn.**,

inspected internally and externally, the vessel specified in this report, on SEP 3 1947 1947,
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 con-
structed in accordance with the A.S.M.E. Code Rules for the Construction of Unfired Pressure Vessels.

Wm. C. Emery

W.C.E.
Inspector for State Boiler Insurance Company