

# 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.,  
(Name and address of the purchaser) Cleveland, Ohio
  3. Type Horizontal Unfired Pressure Vessel No. ST-494 N.B. 1112 Year built 1947  
(Horizontal or Vertical) (Serial or A.S.M.E. No.) (State 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 3 ft. 7 in. Length over all 70 ft. 9 in. Height ft. in.  
or width
  6. STAMPS on shell plates SA-212 Grade "B" Firebox 70000 Rivets, stays and braces Iron or Steel  
(Brand and lowest tensile strength)
  7. SHELL PLATES 15/16 in. Butt straps in. Style of seams: Longitudinal FW U69 Girth FW U69  
(Outer) (Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded - Type of)
  8. Diameter of rivet holes in. Pitch of rivets X X Efficiency of joint 80 %
  9. GIRTH JOINTS in. Diameter rivet holes in. Pitch of rivets in. No. of courses 8  
(Single or double riveted)
  10. INNER SHELL in. Style of seams: Longitudinal in. Girth in. Length of section of course 8 ft. 3 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 or method of fastening:  
(Number and size) (Measure or sketch)

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

13. STAYBOLTS in. If hollow in. 14. Maximum pitch X in. Diameter in.  
(Iron or Steel) (Size of Hole) (Horizontal) (Vertical) (Over the threads)
15. SAFETY VALVE outlets: No. 2 Size 2-1/16"
16. FUSIBLE PLUG (if used): No. in. Diameter and material of filling in. Location in.
17. OUTLETS: No. 1 1 1 Sizes 1 1/2" 1" 3/4" Material of nozzle or reinforcement Steel How attached Weld  
(Riveted, welded, etc.)
- 2 - 1 1/2" and 3 - 1" tapped openings in Manway Cover.
18. DRAIN connection 1 - 3 in. Handholes or Sight Holes Number, size and location:
19. MANHOLES: 1 20" top end of tank Reinforcement 35 1/4 15/16 x 21 1/4 welded  
(Number) (Size and location of each) (Riveted, welded, etc.)
20. Method of supporting vessel Customer to furnish
21. Bursting pressure 1008 lb. per sq. in. Hydrostatic test 300 and 400 lb.
22. Constructed for pressure of 200 lb. per sq. in. Maximum stress in shell plate 11107 lb. per sq. in.

Remarks: Vessel fabricated and intended for service as an Unfired  
(Vessel to be used for air, gas, ammonia, etc.)  
Pressure Vessel under Par. U-69.

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**  
By A. Friedman

Date JUN 14 1947  
FORM 1911 NINEC 5080

AUTHORIZATION No. 677 EXPIRES DEC. 31, 1949

## CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number 8-2-3, 1946

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 JUN 14 1947 19     
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.

*Wm. E. Imus* 8-2-3, 1946  
Inspector for State of *Boiler Insurance Company*