

**FORM NO. 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 American Car and Foundry Company, Milton, Penna.  
(Name and address of the manufacturer)
2. Manufactured for The American Thermos Bottle Co., Warwick, Penna.  
(Name and address of the purchaser)
3. Type Horizontal Unfired Pressure Vessel No. ST-362-1 (P.F. 2373) Year built 1945  
(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 7 ft. 1 in. Length over all 63 ft. 5-3/4 in. Height - ft. - in.  
(or width)
6. STAMPS on shell plates SA-2128 F.B. 70,000 Rivets, stays and braces -  
(Brand and lowest tensile strength) (Iron or Steel)
7. SHELL PLATES 25/32 in. Bolt straps - in. Style of seams: Longitudinal F.W. PAR. U-69 Girth F.W. PAR. U-69  
(Outer) (Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
8. Diameter of rivet holes - in. Pitch of rivets - x - Efficiency of joint 80 %
9. GIRTH JOINTS: - Diameter rivet holes - in. Pitch of rivets - in. No. of courses 1  
(Single or double riveted)
10. THICKNESS SHELL - in. Style of seams: Longitudinal - Girth - Length of section or course 6 ft. 6 in.  
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
11. HEADS: flat or dished 5/8 in. Radius of dish D/4 ELLIPSE Side to pressure Concave  
(Thickness) (Concave or convex)
- If removable, bolts used - or method of fastening -  
(Number and size) (Describe or sketch)

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

13. STAY BOLTS: - If hollow - Maximum pitch - Diameter - in.  
(Iron or Steel) (Size of hole) (Pitch) (Diameter) (Over the diameter)
14. SAFETY VALVE outlets: No. 2 Size 4-1/16
15. FILLING PLUG (if used): No. 2 Diameter and material of filling 2" - 2" 1-3/4" Location -
17. OUTLETS: No. 1 Size 1" Material of nozzle or reinforcement Steel How attached Welded  
(Riveted, welded, etc.)
18. DRUM CONNECTION: 2" in. HAND HOLES OR SIGHT HOLES -  
(Size) (Number, size, and location)
19. MANHOLES: 1 20" Dia. top end of shell Reinforcement 3/4" OD x 25/32" x 2 1/2" ID steel rod  
(Number) (Size and location of each) (Riveted, welded, etc.) welded
20. Method of supporting vessel Customer to furnish cradles
21. Bursting pressure 1018 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 11,000 lb. per sq. in.

Remarks: Vessel built in accordance with Par. U-69 for propane storage  
(Vessel to be used for oil, gas, ammonia, etc.)  
\* 3 - 3", 2 - 2", 1 - 1-1/2" and 1 - 1" tapped holes in manhole cover.

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.

Date APR 20 1945 Signed American Car and Foundry Co. *[Signature]*  
(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number P15.P- 193

VESSEL MADE BY American Car and Foundry Company, Wilton, Penna.

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in THE STATE OF Penna., and employed by the Hartford Steam Boiler Ins. & Ins. Co.

Hartford, Conn. inspected internally and externally, the vessel specified in this report, on

April 6<sup>th</sup> 1945, 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.

John C. Sweeney N. B. 1906  
Inspector for State or Boiler Insurance Company.