

OGDEN ARSENAL, IGLOO TYPE MAGAZINE
(OGDEN ARSENAL, BUILDING 1825)
(OGDEN ARSENAL, BUILDING 825)
6359 Hickory Avenue
Layton Vicinity
Davis County
Utah

HAER No. UT-84-AR

HAER
UTAH
6-LAY. v1
1AR-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

**Historic American Engineering Record
National Park Service
Department of the Interior
Denver, Colorado 80225-0287**

HISTORIC AMERICAN ENGINEERING RECORD

HAER

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OGDEN ARSENAL, IGLOO TYPE MAGAZINE
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Location: 6359 Hickory Avenue, Hill Air Force Base, Layton Vicinity, Davis County, Utah

Note: For shelving purposes at the Library of Congress, Layton Vicinity in Davis County was assigned as the "official" location of Hill Air Force Base. However, Building 1825 is actually in the Ogden Vicinity of Weber County.

UTM: 12-414730-4556080

Date of Construction: 1941

Architect: Unknown

Builder: Unknown

Present Owner: Hill Air Force Base

Present Use: Munitions Storage

Significance: Building 1825 provides particularly vivid insight into the processes involved in the storage of highly explosive components like munitions. In addition, this building contributes to an understanding of the U.S. Army build-up which occurred on the eve of and during World War II.

History: The introduction of various types of ammunition manufacture at Ogden Arsenal during World War II necessitated the construction of many new buildings which took various forms as related to their specific functions within the overall manufacture and storage processes.

Igloo Type Magazines such as Building 1825 stored ordnance material and were designed to minimize damage to additional buildings in the event of explosions. The igloo is covered with an earthen mound and separated from surrounding buildings by open land. A concrete apron with a sharp slope upward from the entry made fork lift operations outside igloos like Building 1825 a difficult task, so all ordnance material was loaded by hand until 1943. That year, a process was developed that kept automatic

electric fork lift trucks with combination forks inside the igloos while a conveyor track was laid from rail cars or trucks into the doorway. Both small arms ammunition and bombs were handled in this way, which saved approximately one half the time previously used by hand loading alone, with half as many workers.

This igloo is one of 23 such igloos still existing at Hill Air Force Base. They include Buildings 1318, 1357-1359, 1362-1365, 1459-1467, 1825, 1826, 1832-1835. It is similar to Buildings 1318, 1357-1359, 1362-1365, 1459-1467, 1826, and 1832-1835. Electrical wiring and lights were added all of these buildings during World War II.

General

Description: Building 1825 (29'-2" x 61'-10") is an example of a Full Trapezoidal Igloo located in the igloo storage area just south of the original North Loading Plant. This igloo has a protruding double blast door entry set in a concrete frame. The walls, floor, and roof of the igloo are reinforced concrete; the roof and side walls are covered with an earthen mound. Another distinguishing characteristic of this igloo is the small room located on the north side of the double door entry. This room measures 8'-9" x 12'-8" and is vented through an exhaust duct above its entrance.