Agricultural Heritage Multiple Property Submission - State Register

**HISTORIC RESOURCES**

<table>
<thead>
<tr>
<th>BUILDING AND STRUCTURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please send completed form to: Stacey Vairo, National Register and State Register Coordinator, State Historic Preservation Office, Department of Economic and Community Development, One Constitution Plaza, 2nd Floor, Hartford CT 06103</td>
</tr>
<tr>
<td>* Note: Please attach any additional or expanded information on a separate sheet.</td>
</tr>
</tbody>
</table>

**GENERAL INFORMATION**

<table>
<thead>
<tr>
<th>Building Name (Common)</th>
<th>Connecticut Agricultural Experiment Station, Lockwood Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Name (Historic)</td>
<td>Lockwood Farm / Kelly, Patrick and Annie, Farmstead</td>
</tr>
<tr>
<td>Street Address or Location</td>
<td>890 Evergreen Avenue</td>
</tr>
<tr>
<td>Town/City</td>
<td>Hamden</td>
</tr>
<tr>
<td>Owner(s)</td>
<td>Conn Agricultural Expt Station, 890 Evergreen Ave., Hamden CT 06518</td>
</tr>
</tbody>
</table>

**PROPERTY INFORMATION**

Present Use: Agriculture/Subsistence: agricultural outbuilding; Education: Research facility; Domestic: single dwelling

Historic Use: Agriculture/Subsistence: agricultural outbuilding; Domestic: single dwelling

Accessibility to public: Exterior visible from public road? ☐ Yes ☑ No

Interior accessible? ☐ Yes ☑ No If yes, explain During events open to the public

Style of building English barns, vernacular style Date of Construction 19th - 20th c.

Material(s) (Indicate use or location when appropriate):

- ☐ Clapboard
- ☐ Asbestos Siding
- ☐ Brick
- ☐ Wood Shingle
- ☐ Asphalt Siding
- ☑ Fieldstone
- ☐ Board & Batten
- ☐ Stucco
- ☐ Cobblestone
- ☐ Aluminum Siding
- ☑ Concrete (Type ______________)
- ☐ Cut Stone (Type ______________) ☑ Other Vertical wood siding

Structural System

- ☑ Wood Frame
- ☑ Post & Beam
- ☑ Balloon
- ☐ Load bearing masonry
- ☐ Structural iron or steel
- ☑ Other Square rule framing

Roof (Type)

- ☑ Gable
- ☐ Flat
- ☑ Mansard
- ☐ Monitor
- ☐ Sawtooth
- ☑ Gambrel
- ☐ Shed
- ☐ Hip
- ☐ Round
- ☐ Other ______________

(Material)

- ☑ Wood Shingle
- ☐ Roll Asphalt
- ☐ Tin
- ☐ Slate
- ☑ Asphalt Shingle
- ☐ Built up
- ☐ Tile
- ☐ Other ______________

Number of Stories: 1 1/2 Approximate Dimensions Barn I: 28' x 110' - see continuation sheet.

Structural Condition: ☑ Excellent

Exterior Condition: ☐ Excellent ☐ Good ☑ Fair ☐ Deteriorated

Location Integrity: ☐ On original site ☑ Moved When? ______________

Alterations? ☐ Yes ☑ No If yes, explain: Modified doors and windows for functional changes.

**FOR OFFICE USE:**

<table>
<thead>
<tr>
<th>Town</th>
<th>#</th>
<th>Site</th>
<th>#</th>
<th>UTM</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>☐ S</td>
<td>☐ NR</td>
<td>If NR, Specify: ☐ Actual ☐ Potential</td>
<td></td>
</tr>
</tbody>
</table>
PROPERTY INFORMATION (CONT’D)

Related outbuildings or landscape features:
- ✔ Barn
- ✔ Shed
- ✔ Garage
- □ Carriage House
- ✔ Shop
- ✔ Garden
- ✔ Other landscape features or buildings: Farmhouse, agricultural fields, telecom tower, recreational rail-trail

Surrounding Environment:
- ✔ Open land
- ✔ Woodland
- ✔ Residential
- □ Commercial
- □ Industrial
- □ Rural
- □ High building density
- ✔ Scattered buildings visible from site

• Interrelationship of building and surroundings:

See continuation sheet.

• Other notable features of building or site (Interior and/or Exterior)

See continuation sheet.

Architect ___________________________ Builder ___________________________

• Historical or Architectural importance:

See continuation sheet.

• Sources:


See continuation sheet.

Photographer ___________________________ Date 8/07/2010

View Multiple Views ___________________________ Negative on File CTHP

Name Charlotte Hitchcock ___________________________ Date 4/07/2012

Organization The Connecticut Trust for Historic Preservation

Address 940 Whitney Avenue, Hamden CT 06517

• Subsequent field evaluations:

Latitude, Longitude:
41.408263, -72.903171

Threats to the building or site:
- ✔ None known
- □ Highways
- □ Vandalism
- □ Developers
- □ Renewal
- □ Private
- □ Deterioration
- □ Zoning
- □ Other ___________________________ Explanation ___________________________
• Interrelationship of building and surroundings:

The farm is located on a hilltop site bordered by the Farmington Canal Rail Trail on the west, by Evergreen Avenue and a cemetery on the east, and by Kenwood Avenue on the north. Residential neighborhoods of predominantly 20th-century homes surround the site to the north and south. Evergreen Avenue runs north-south and intersects Whitney Avenue, also a north-south route, at an acute angle a short distance to the north of the site. The Agricultural Experiment Station is a roughly 75-acre property located on a broad hill-top. The historic farmhouse and its barns are clustered at the northeast corner of the site. Several other buildings erected during the 20th century are in the middle part of the property, surrounded by experimental garden plots and test groves including disease-resistant fruit and shade trees. At the highest point of the site a tall slender cylindrical telecommunications tower appears to have been planned to resemble a silo; a support building is adjacent.

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The farmhouse is a 1 ½-story vernacular Italianate style structure with a three-bay gable façade facing the street and its ridge-line oriented east-west perpendicular to Evergreen Avenue. The layout is a side-hall plan with the entry in the left (south) bay under a flat-roofed bracketed porch with square posts on pedestals. The windows are two-over-two double-hung with molded surrounds and projecting sills. The roof has wide partial cornice returns and the attic has a two-over-two arch-topped double-hung window. A 1 ½-story ell extends southward from the rear corner of the main block. It has a 1-story hip-roofed porch across the east eave-side, and an entrance into the ell under the porch roof. Siding is vinyl; a 1985 photograph shows wood shingle siding. Roofing is asphalt shingles.

• Other notable features of building or site (Interior and/or Exterior):

Architectural description:

Inventory of structures (C – contributing, NC – non-contributing):

<table>
<thead>
<tr>
<th>Structure</th>
<th>Date</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farmhouse</td>
<td>c. 1875</td>
<td>C</td>
</tr>
<tr>
<td>Barn I</td>
<td>19th c.</td>
<td>C</td>
</tr>
<tr>
<td>Wagon shed II</td>
<td>19-20th c.</td>
<td>C</td>
</tr>
<tr>
<td>Barn III</td>
<td>19-20th c.</td>
<td>C</td>
</tr>
<tr>
<td>Sheds IV – V</td>
<td>mid-20th c.</td>
<td>C</td>
</tr>
</tbody>
</table>

Barn I:

Barn I is a 2 1/2-story gable-roofed extended English barn structure 28’ wide x 110’ long, with its ridge-line oriented east-west. Located close to and parallel to Kenwood Avenue along the north edge of the farm, it is a long structure whose original bays are obscured by alterations. Three gable-roofed cupolas are located at roughly equal intervals on the ridge. A chimney is located east of the end cupola, indicating a portion of the interior has been finished and heated as a workshop.

Exterior:

The south eave-side has, from west to east, a hinged door at grade with a hay-mow door above, two overhead doors with one hay-mow door above, a double-hung window, a tall overhead door, a double-hung window, a small gable-roofed addition, an overhead door with a pair of double-hung windows above, and a pair of sliding windows, possibly originally stable windows. All windows are modern replacement units with simulated six-over-six muntin patterns.

The east gable-end has a 1-story shed-roofed addition projecting east, containing visitor rest rooms. Above the shed roof there are two double-hung windows at the second floor level and a vent in the attic near the peak.

The north eave-side has three double-hung windows near the east end, with two double-hung windows above. A concrete foundation is visible below these areas. Further to the west the foundation is cobblestone for approximately half the building's length. The western portion has a concrete foundation and a two double-hung
windows in what appears to be the second bay from the west end. The varied foundation conditions may indicate construction in a series of phases.

The west gable-end has two windows in the attic and one double-hung window at the ground level close to the south corner.

Siding is vertical wood, painted red with white trim. There are deep overhangs at the eaves and rakes; sloped soffits are enclosed. Roofing is asphalt shingles.

**Interior:**

Barn I is constructed with square rule timber frame augmented by circular-sawn dimension lumber used for loft joists and subsequent modifications.

**Wagon Shed II:**

A 20’ x 44’ gable-roofed wagon shed is located close to the west facade. Its north eave side is blank; the south side has three open bays and one bay with a sliding door.

The gable roof of the main barn has overhanging eaves and rake, with sloped enclosed soffits, and asphalt shingles. The siding is vertical flush boards painted red; trim is painted white.

**Barn III:**

Located to the west of Barn I and parallel to Kenwood Avenue, this is a 26’ x 46’ three-bay 1 1/2-story gable-roofed English barn with its ridgeline oriented east-west. There is a shed-roofed addition attached at the east gable-end. The south facade has a pair of hinged barn doors in the center bay. The doors have six panes of glass in the upper part and panels with x-shaped braces below. Flanking the doors there is a double-hung window in each side bay. The shed has a pass-through door and a double-hung window in its south facade.

The East facade has two double-hung windows in the ground floor of the shed, and two small windows in the attic. A brick chimney rises from the shed roof of the addition and continues attached at the exterior of the barn. The north eave facade has three double-hung windows and the west gable-end facade has two double-hung windows at the ground level, with two attic windows above. All windows are replacements with fake six-pane muntins.

The roof has a small overhang and is a sloped closed soffit similar to Barn I. There are three metal ventilators on the ridge of the roof. Siding is narrow vertical tongue and groove boards, painted red. Trim is painted white.

**Barns IV and V:**

These are concrete masonry gable-roofed sheds, each 32’ x 70’. They are located facing each other across an open yard. Each has five overhead doors on the eave side facing the yard, and five metal-framed windows with eight panes, in which the center four-pane panel pivots, on the outer eave facade. The gable-end facades have two windows of the same type and a six-pane attic window. The western of the two has a shed-roofed porch added to the north gable end. The masonry walls are painted red. The asphalt shingle roofs have simple molded trim on the rakes with a small eave return. They appear to be research equipment sheds which are used for displays during public events.
• Historical or Architectural importance:

Applicable Connecticut State Register Criteria:
1. Associated with the lives of persons significant in our past;
2. Embodying the distinctive characteristics of a type, period, or method of construction.

Historical background:
At the time of construction of the farmhouse, c. 1875, a 19-acre property was owned by Jared Dickerman, a well-to-do farmer in Mount Carmel Village, just north along Whitney Avenue. Dickerman mortgaged the property to Patrick and Annie Kelly in 1876 and title was transferred in 1881. The Kellys farmed the site for almost 30 years, and eventually sold it to the Agricultural Experiment Station in 1910.

In 1875 the State of Connecticut created the first state agricultural experiment station. Ever since its establishment the station has remained a leader of its kind and has made notable contributions to American agricultural development. Within 20 years after its establishment the station had assumed the responsibility of administering a state food law, the first institution of its kind to do so. Additional important contributions to both Connecticut farmers and agriculture in general were work on amino acids in the human diet, and the discovery of vitamins by the station's scientists, as well as significant developments in tobacco production, hybrid corn, pest control and soil and water improvement.

The station did not secure a permanent home for several years. It was initially at Wesleyan University and then in Yale University’s Sheffield Scientific School. In 1882-83 a small estate on Huntington Avenue in New Haven became the Experiment Station’s permanent home laboratories (Bradford). Until 1910 when the first 19.25 acres on Evergreen Avenue were acquired, Station scientists used to rent lands on the east side of Whitney Avenue for experiments. Travel then was time consuming and difficult because the Station owned no vehicles.

The Station’s Board of Control purchased the original acres with funds from the William R. Lockwood Trust, created following a bequest from William R. Lockwood of Norwalk. They initially selected the site for its orchards and for its convenient location, only a 20-minute train or trolley ride from the main laboratories in New Haven.

The Board’s other purchases, as late as 1997, enlarged the Farm to 75 acres. This Farm serves as an outdoor laboratory for Experiment Station scientists who conduct research to learn how to manage plant pathogens and insect pests of agricultural crops and trees. The public is able to visit on the annual Plant Science Day in August and for other scheduled events.

The Connecticut Agricultural Experiment Station (CAES) is governed by an eight-member Board of Control, which includes the Governor of Connecticut. The farm is owned by its Board, not by the state government.

Architectural significance:
The Lockwood Farm and its barns are significant for their role in the history of the Connecticut Agricultural Experiment Station (CAES), which was established in 1875, the oldest of its kind in the United States. The New Haven campus on Huntington Street is a National Historic Landmark. The mission of the CAES is research into fruit and vegetable crops, public health and environmental issues relating to plants and insects, and public education. Lockwood Farm incorporates a historic 19th-century subsistence farm which has been preserved in a nearly intact condition while its structures have been adapted to the needs of the ongoing research for public benefit.

The accomplishments of the scientists working at Lockwood Farm contribute to its significance, with one of the most prominent being Donald Forsha Jones (1890–1963) a maize geneticist. Beginning at the station in 1914, he made high-yielding hybrid corn practical by his invention of the double-cross hybrid.
• Sources (continuation):

Photographs and field notes by Charlotte Hitchcock 8/20/2010.

Map resources:

Parcel ID: 2930-081-00-0000

Aerial views from:

UTM coordinates: http://itouchmap.com/latlong.html

Print and internet resources:


Connecticut Agricultural Experiment Station web site – history of Lockwood Farm, [http://www.ct.gov/caes/cwp/view.asp?a=2812&q=345284].


Sexton, James, PhD; Survey Narrative of the Connecticut Barn, Connecticut Trust for Historic Preservation, Hamden, CT, 2005, [http://www.connecticutbarns.org/history].


1. Location map of 890 Evergreen Avenue, Hamden CT – from [http://www.hamdengis.com/](http://www.hamdengis.com/)

3. Plan of the northeast quadrant of Lockwood Farm, indicating the location of contributing structures, based on Town of Hamden GIS mapping.

4. Southeast view of farmhouse, camera facing northwest. Barn I is at left rear; note deer fencing around perimeter.
5. Southeast view of Barn I, camera facing northwest. Barn III is at left rear.

6. Southwest view of Wagon shed II and Barn I, camera facing northeast.
7. Northwest view of Barn I (far left), Wagon shed II (center), Barn III (right), camera facing southeast, seen from Kenwood Avenue.

8. Northwest view of Barn I, showing foundation conditions, camera facing southeast.

10. Southwest view of Barn III, Barn I at right rear, camera facing east.
11. Southeast view of Barn III, camera facing northwest; Wagon shed II is at right.

13. West view of Shed V, camera facing northeast.