Fort Vancouver National Historical Site
McLoughlin House
Furniture Collection Condition Assessment

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National Park Service
Introduction
At the request of park Curator, Theresa Langford, I traveled to Fort Vancouver NHS to conduct a condition survey of the furniture at the McLoughlin House. The house, built in 1846, was the home of John McLoughlin, an important figure in the early settlement of the Oregon territory. McLoughlin lived in the home until his death in 1857. Following his death, his family continued to occupy the house for an additional 10 years.

The house was recognized early on for its significance in Oregon history. In one of the first historic preservation projects west of the Mississippi, it was saved from demolition and moved to its current location in 1909. During the 1930’s, the building was restored and opened as an historic house museum.

Most of the furniture dates to the period of the McLoughlin occupancy but only a few pieces are associated directly with the family. All the wooden and upholstered furniture in the home was included in this survey and special attention was given to those pieces that are thought to be associated with the McLoughlin family or the Hudson Bay Company.

The purpose of this report is to help in the planning for the conservation of the furniture collection by prioritizing treatment needs and providing a time estimate for treatment. Ninety objects were examined during the course of the survey and an individual survey form was prepared for each. The survey form includes a checklist of condition problems, a condition summary, treatment priority, notes identifying significant damage, and brief treatment recommendations. Additionally, a recommendation is made as to whether the object can be treated on-site or if the extent and complexity of treatment requires laboratory treatment.

Treatment estimates are provided in terms of hours rather than dollars because the cost of conservation treatment varies from region to region, and depends to an extent on the particular conservator. It is also likely that treatment will have to be accomplished in phases over the course of a number of years, during which the cost of treatment will probably increase.

The objects are, for the most part, marked with McLoughlin Memorial Association (MMA) numbers and do not yet have NPS catalogue numbers. The marking consists of two letters and three numerals. In general, the letter designations are abbreviations of the type of furniture (CH for chair, TA for table). The marking convention is not entirely consistent and not all pieces are marked. In cases where there is no identifying number I have simply provided a descriptive name on the survey form.
The Collection
Furniture in the home is quite varied in terms of style and fabrication techniques. There are examples of high styled pieces that appear to have been imported from cosmopolitan areas, some probably of European origin, as well as what appears to be locally made, rustic furniture. The collection includes both veneered and solid wood pieces. On the whole, veneered pieces are more sensitive to damage from poor environmental conditions. There are also a number of fully and partially upholstered pieces, many of which are covered with black horsehair fabric, a common upholstery material in the mid-19th Century.

A number of the pieces were manufactured for the Hudson Bay Company. In general, these are sturdy, well made pieces. The collection includes a large number of side chairs that have Company provenance. Although very similar in appearance, close examination indicates that they are actually from three different sets.

Since objects in the collection come from a variety of different sources, it is not surprising that they are currently in a wide range of conditions. Many of the pieces exhibit damage that appears to relate to their previous environment rather than conditions in the McCloughlin house itself. However, in some case the damage does appear to have occurred while on exhibit in the home. For example, quite of few of the pieces with light damage are more severely faded on the surfaces that face the windows in the home.

Almost all the furniture exhibits some degree of damage. For most, the damage is primarily cosmetic; however, a significant number of pieces are unstable and if left untreated will continue to deteriorate. Damage to the furniture in the collection is attributable to a variety of environmental conditions as well as past usage and handling. To insure long term preservation of the collection, conservation treatment of unstable pieces should be undertaken along with improvements in environmental conditions and curatorial housekeeping practices at the site.
Typical Condition Problems Found in the Collection

• Light Damage
Light damage such as fading, finish damage, and embrittlement was noted on quite a number of the pieces on display in the home. It appears that there is currently UV film on the windows. This type of film typically filters out over 99% of the ultra violet rays, the most harmful component of the light spectrum; however, it does not stop the damage from visible light which can also damage organic materials. The park should consider the application of window film that filters a percentage of visible light (20-30%) in addition to the elimination of UV light.

Light damage to chest of drawers in the guest bedroom
Light streaming through window has bleached the top of this bedside table

Both show upholstery and gimp are discolored from light damage
Original black gimp trim on this horse hair rocker has faded to off white

As seen in areas normally covered by gimp, show upholstery was originally light blue
• **Moisture/Water Damage**
Moisture damage was found on quite a number of pieces. The source of the damage appears to include leaks as well as the placement of plants and other moist containers on the surface of the furniture. Shellac finishes, which were quite common in the mid-19th Century, are not resistant to water damage.

![Water damage from placement of moist container on top of game table in dining room](image1)

![Water damage on bedstand, guest bedroom](image2)
• Damage from Wide Fluctuations and Inappropriate Relative Humidity

There is currently no humidity control in the home. Damage from inappropriate humidity conditions and wide fluctuations was noted on a number of pieces, particularly lacquered and veneered objects. Loss occurs when the solid wood substrate expands and contracts in response to changes in RH loosening the bond and deforming the surface material.

Lost and lifting lacquer on side of sewing machine
Lacquer cleaving off wood substrate as wood expands and contracts in response to changes in RH

Splits in rawhide seat-most likely due to shrinkage induced by low relative humidity
• Failed Glue Joints
In the mid-19th Century, protenacious glues, such as hide and fish glue, were used in the fabrication of furniture. These glues are soluble in water and are subject to failure in conditions of both extremely high and low relative humidity.

Separated glue joints at corner of armoire cornice

Failed glue joint on top surface of center table
- **Missing and Loose Veneer**
  Veneer is subject to separation from the substrate and loss from both poor environmental conditions as well as poor handling and mechanical action. Many of the veneered pieces in the collection exhibit areas of loss and lifting surface.

Area of missing veneer on foot of bookcase

Missing and lifting veneer on drawer blades of chest of drawers
• Previous Repairs
A wide variety of repairs to the collections have been made. Some are of high quality, but most are either of poor quality or have not withstood the rigors of time. In particular, the dining chairs have received extensive repairs, most of which are to the upper portion of the seat posts. These chairs appear to have been heavily used; some have been repaired a number of occasions.

Inappropriate fill, poor attachment between crest rail and seat post

Recent split in veneered table top telegraphs through discolored veneer patch
- **Structural insecurity**
  The nature and extent of the structural problems vary widely. Some damage results from heavy usage, while some damage results from the "inherent vice" of poor initial fabrication methods and/or materials.

Partial separation between bed rail and headboard post

Insecure join between rear foot and rail of upholstered sofa
Previous repair with angle iron re-enforcement not effective
• **Damaged Upholstery**
  Much of the show upholstery and upholstery support materials are deteriorated. The damage has been caused by a number of factors including light, high relative humidity levels, insect activity, and wear. Some of the materials used in mid-19th Century upholstery, such as jute webbing, have a limited life span even under ideal environmental conditions.

Dust cloth and jute webbing on underside of chair are deteriorated
Pressure from coil springs has resulted in detachment along front seat rail

Horsehair show upholstery on slip seat exhibits fading and embrittlement from light and tear at center of seat
• **Insect Damage**

There is past insect damage to both fabric and wood in the collection. No evidence of active wood boring insect infestation was noted; however, protein consuming beetles do appear to be present. These beetles can potentially damage wool fabric as well as horsehair stuffing and fabric. The presence of insects, even those not considered museum pests, can lead to infestations of insects that will damage collections. Organic material, primarily pine needles, was found within a number of drawers and cabinets. This provides a potential food source for a variety of insect pests. The site should institute an Integrated Pest Management Program that will monitor and control insect pests.

Beetle larva and associated debris on floor adjacent to upholstered couch

Pine needles in drawer
- **Housekeeping Concerns**  
  Much of the furniture would benefit by additional curatorial housekeeping. Relatively simple measures can improve the appearance of the collection and help insure its long term preservation. Heavy materials should be removed from drawers and cabinets.

![Rodent droppings and nest within mantle clock](image1)

![Stack of newspapers within wardrobe drawer](image2)
Survey Overview
Ninety objects in total were examined during the course of this survey and individual survey forms prepared for each. Almost all the pieces examined require some degree of treatment, although most (51) require only minor treatment - less than eight hours. In many cases, the treatment involves primarily a thorough cleaning and the application of a protective coat of paste wax to finished wood surfaces. In some instances, as noted on the survey form, the cleaning can be done by park curatorial staff rather than a conservator. An additional twenty eight pieces require a moderate level of treatment of between nine and sixteen hours, while fourteen pieces require treatment estimated to take more than sixteen hours.

Of those objects needing treatment, thirty require shipment to a conservation lab while the rest can be treated on site if a suitable space at the site can be made available. The space will need good lighting, and adequate ventilation. The recommendation of on-site or laboratory treatment is based on complexity of treatment as well as cost and potential for damage during transit.

Sixty seven pieces require eventual treatment by a conservator while four were identified as requiring immediate treatment. The pieces in the eventual treatment category will require approximately 948 hours, while the four pieces in the immediate treatment category will require 230 hours. The two most time consuming pieces are the oriental lacquered sewing cabinets. These pieces are actively deteriorating with severe structural and cosmetic problems and will require extensive treatment in the near term.

Brief, general treatment recommendations are provided for almost all the objects surveyed. In most instances, no attempt is made to specify particular methods or materials. A detailed treatment proposal should be submitted for curatorial approval by the conservator after the piece is examined and prior to treatment.

Treatment time estimates are provided for each object. These are rough estimates and are provided to assist with overall collection conservation planning, and preparation of PMIS statements. Treatment times for individual object may vary as condition problems become evident in laboratory examination and while undergoing treatment. The time estimates provided do not include transportation costs for those objects that must be shipped, or travel, or per diem costs associated with on-site conservation treatment.
# Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Ai Levitan  
**Date of Survey:** August 2008

**Object:** Chest of Drawers

- **Cat.No.:** CT 533  
- **Location:** Master Bedroom  
- **Material:** Wood, Veneer

Previous repairs: Refinished, Drawer pulls replaced and original holes filled

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## Condition Problems

### Structure:
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

### Surface Elements:
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

### Finish:
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water damage

### Upholstery:
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Sub-structure deteriorated
- Light damage

### Hardware:
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

### Paper Label
- Deteriorated
- Losses
- Separated from substrate

### Other:
-...

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## Condition Summary

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

### Treatment priority:
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required
- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

### Notes:
- Minor scattered nicks and abrasions.

### Recommendations:
- Clean
- Apply protective coat of paste wax

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**National Park Service**  
**P.O. Box 50**  
**Harpers Ferry Center**  
**Harpers Ferry, WV 25425**
Park: Fort Vancouver National Historic Site, McLoughlin House
Conservator: Al Levitan
Date of Survey: August 2008

Object: Table, Center
Cat.No.: TA 516
Location: Master Bedroom
Material: X Wood  X Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other
Previous repairs: Refinished. Support batten screwed to underside of top.

Structure:
□ Generally unsound
□ Loose joints
□ Missing elements
X Broken elements
□ Failed glue joints
□ Splits, unstable
□ Splits, stable
□ Warp, twist
□ Insect damage (inactive)
□ Active insect infestation
Other:

Surface Elements:
□ Missing elements
□ Damaged elements
□ Loose separated elements
□ Loose veneer
□ Buckled veneer
□ Missing veneer
□ Scratches
□ Dents
□ Abrasions
Other:

Paper Label
□ Deteriorated
□ Losses
□ Separated from substrate

Condition Summary
X Stable, appearance appropriate to historic period
□ Stable, inappropriate appearance
□ Damaged/missing elements, appropriate to historic period
□ Some unstable elements
□ Unstable, acceptable appearance
□ Unstable, inappropriate appearance

Treatment priority:
□ Immediate treatment by conservator, lack of treatment will result in further damage
X Eventual treatment by conservator
□ Treatment should be performed by curatorial staff
□ Treatment can be performed by conservator or curatorial staff
□ No treatment required
□ Treatment can be performed on site
□ Treatment can be performed on site OR in lab
X Treatment should be performed in lab

Notes:
-Scattered nicks, scratches, and abrasions.
-Glue joint between boards on top surface has failed due to shrinkage, batten on bottom now supports top but holds two sides apart.

Recommendations:
- Clean
- Re-adhere join on top
- Tone in nicks, scratches, abrasions
- Apply paste wax to finished wood surfaces

National Park Service
P.O. Box 50
Harpers Ferry Center
Harpers Ferry, WV 25425
### Condition Problems

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<thead>
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<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
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### Paper Label

| □ Deteriorated                                                          | □ Loss                                   | □ Separated from substrate       |
|                                                                         |                                         |                                  |
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|                                                                         |                                         |                                  |
|                                                                         |                                         |                                  |
|                                                                         |                                         |                                  |
|                                                                         |                                         |                                  |
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|                                                                         |                                         |                                  |

### Condition Summary

| □ Stable, appearance appropriate to historic period                      | □ Some unstable elements                 | Treatment Estimates:            |
|                                                                         | □ Stable, inappropriate appearance       | □ Minor (1-8)                    |
|                                                                         | □ Damaged/missing elements, appropriate to historic period | □ Moderate (9-16) |
|                                                                         |                                         | □ Major (17+)                    |
|                                                                         |                                         | Est. hrs.: 8                     |

### Treatment priority:

| □ Immediate treatment by conservator, lack of treatment will result in further damage |
| □ Eventual treatment by conservator                                          |
| □ Treatment should be performed by curatorial staff                          |
| □ Treatment can be performed by conservator or curatorial staff              |
| □ No treatment required                                                      |
| □ Treatment can be performed on site                                         |
| □ Treatment can be performed on site OR in lab                               |
| □ Treatment should be performed in lab                                       |

### Notes:
- Rear surface faded from exposure to light
- Dust cover torn
- Webbing (original) tearing from pressure of the coil springs

### Recommendations:
- Clean/wax wood furniture
- Tie coil springs in such a manner as to prevent them from exerting pressure on webbing and show upholstery
- Replace dust cover

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National Park Service  P.O. Box 50  Harpers Ferry Center  Harpers Ferry, WV 25425
Condition Survey for Side Chair, upholstered slip seat at Fort Vancouver National Historic Site, McLoughlin House.

Conservator: Al Levitan
Date of Survey: August 2008

Cat.No.: CH 422

Location: Master Bedroom

Material: Wood, Veneer

Previous repairs: Joints re-adhered, Dust cover replaced.

Condition Problems:

- Structure:
  - □ Generally unsound
  - □ Loose joints
  - □ Missing elements
  - □ Broken elements
  - □ Failed glue joints
  - □ Splits, unstable
  - □ Splits, stable
  - □ Warp, twist
  - □ Insect damage (inactive)
  - □ Active insect infestation

- Surface Elements:
  - □ Missing elements
  - □ Damaged elements
  - □ Loose separated elements
  - □ Loose veneer
  - □ Buckled veneer
  - □ Missing veneer
  - □ Scratches
  - □ Dents
  - □ Abrasions

- Finish:
  - □ Dust
  - □ Soiled
  - □ Paint spatters
  - □ Accretions
  - □ Loss
  - □ Light damage
  - □ Staining
  - □ Crazing
  - □ Bloom
  - □ Sticky
  - □ Opaque
  - □ Darkened
  - □ Linseed oil accretions
  - □ Water Damage

- Upholstery:
  - □ Dust
  - □ Soiled
  - □ Loss
  - □ Faded
  - □ Staining
  - □ Tears
  - □ Insect damage
  - □ Sub-structure deteriorated
  - □ Light damage

- Hardware:
  - □ Inappropriate replacement
  - □ Broken, loose, missing elements
  - □ Abraded
  - □ Oxidized
  - □ Polish residue

- Paper Label:
  - □ Deteriorated
  - □ Losses
  - □ Separated from substrate

Condition Summary:

- □ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

Treatment priority:

- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

Notes:
- Scattered nicks, scratches, abrasions.
- Treatment Estimates:
  - Minor (1-8)
  - Moderate (9-16)
  - Major (17+)
  - Est. hrs.: 8

Recommendations:
- Clean
- Tone in nicks, scratches, abrasions
- Reduce opaque/darkened finished areas
- Apply protective coat of paste wax to finished wood surfaces
<table>
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<th>Surface Elements:</th>
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<td>□ Polish residue</td>
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</table>

**Condition Summary**

- □ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

**Treatment priority:**

- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Notes:**

- Dust cover torn, original webbing partially torn as a result of pressure from coil springs.
- Scattered nicks, scratches, and abrasions.
- Screw hole plugs missing from rear stiles.

**Recommendations:**

- Clean/wax wood frames.
- Tie coil springs in such a manner as to prevent them from exerting pressure on webbing and show upholstery, replace dust cover.
- Tone in nicks, scratches, and abrasions.
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Stool  
**Cat.No.:** 452 S  
**Location:** Master Bedroom  
**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

**Previous repairs:**

---

**Structure:**
- □ Generally unsound
- □ Loose joints
- □ Missing elements
- □ Broken elements
- □ Failed glue joints
- □ Splits, unstable
- □ Splits, stable
- □ Warp, twist
- □ Insect damage (inactive)
- □ Active insect infestation
- □ Other:

**Surface Elements:**
- □ Missing elements
- □ Damaged elements
- □ Loose separated elements
- □ Loose veneer
- □ Buckled veneer
- □ Missing veneer
- □ Scratches
- □ Dents
- □ Abrasions
- □ Other:

**Finish:**
- □ Dust
- □ Soiled
- □ Paint spatters
- □ Accretions
- □ Loss
- □ Light damage
- □ Staining
- □ Crazing
- □ Bloom
- □ Sticky
- □ Opaque
- □ Darkened
- □ Linseed oil accretions
- □ Water Damage
- □ Other:

**Upholstery:**
- □ Dust
- □ Soiled
- □ Loss
- □ Faded
- □ Staining
- □ Tears
- □ Insect damage
- □ Sub-structure deteriorated
- □ Light damage
- □ Inappropriate replacement
- □ Broken, loose, missing elements
- □ Abraded
- □ Oxidized
- □ Polish residue

**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

**Previous repairs:**

---

**Condition Problems**

---

**Condition Summary**

- □ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Damaged/missing elements, inappropriate appearance
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

**Treatment priority:**
- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required
- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Treatment Estimates:**
- □ Minor (1-8)
- □ Moderate (9-16)
- □ Major (17+)

**Est. hrs.:** 2

**Notes:**
- Gimp and upholstery faded from exposure to light
- Surfaces soiled

---

**Recommendations:**
- Vacuum upholstery through screen
- Clean wood surfaces
- Apply protective coat of paste wax to finished wood surfaces

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Washstand

<table>
<thead>
<tr>
<th>Cat.No.: 515</th>
<th>☐ associated</th>
<th>☒ non-associated</th>
</tr>
</thead>
</table>

**Location:** Master Bedroom

**Material:** ☒ Wood  ☐ Veneer  ☐ Metal  ☐ Glass  ☐ Lacquer  ☐ Upholstery  ☐ Gilt  ☐ Other

**Previous repairs:**

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Generally unsound</td>
<td>☐ Missing elements</td>
<td>☒ Dust</td>
<td>☐ Dust</td>
</tr>
<tr>
<td>☐ Loose joints</td>
<td>☐ Damaged elements</td>
<td>☒ Soiled</td>
<td>☐ Soiled</td>
</tr>
<tr>
<td>☐ Missing elements</td>
<td>☐ Loose separated elements</td>
<td>☐ Paint spatters</td>
<td>☐ Loss</td>
</tr>
<tr>
<td>☐ Broken elements</td>
<td>☐ Loose veneer</td>
<td>☐ Accretions</td>
<td>☐ Faded</td>
</tr>
<tr>
<td>☐ Failed glue joints</td>
<td>☐ Buckled veneer</td>
<td>☐ Light damage</td>
<td>☐ Staining</td>
</tr>
<tr>
<td>☐ Splits, unstable</td>
<td>☐ Missing veneer</td>
<td>☐ Staining</td>
<td>☐ Tears</td>
</tr>
<tr>
<td>☐ Splits, stable</td>
<td>☐ Scratches</td>
<td>☐ Crazing</td>
<td>☐ Insect damage</td>
</tr>
<tr>
<td>☐ Warp, twist</td>
<td>☐ Dents</td>
<td>☐ Bloom</td>
<td>☐ Sub-structure deteriorated</td>
</tr>
<tr>
<td>☐ Insect damage (inactive)</td>
<td>☐ Abrasions</td>
<td>☐ Sticky</td>
<td>☐ Light damage</td>
</tr>
<tr>
<td>☐ Active insect infestation</td>
<td>Other:</td>
<td>☐ Opaque</td>
<td>☐ Inappropriate replacement</td>
</tr>
</tbody>
</table>

**Paper Label**

| ☒ Deteriorated | ☐ Inappropriate replacement |
| ☐ Losses | ☐ Broken, loose, missing elements |
| ☐ Separated from substrate | ☐ Abraded |

**Condition Summary**

| ☒ Stable, appearance appropriate to historic period | ☐ Some unstable elements |
| ☐ Stable, inappropriate appearance | ☐ Unstable, acceptable appearance |
| ☒ Damaged/missing elements, appropriate to historic period | ☐ Unstable, inappropriate appearance |

**Treatment priority:**

| ☒ Immediate treatment by conservator, lack of treatment will result in further damage |
| ☒ Eventual treatment by conservator |
| ☐ Treatment should be performed by curatorial staff |
| ☐ Treatment can be performed by conservator or curatorial staff |
| ☐ No treatment required |
| ☐ Treatment can be performed on site | ☐ Treatment can be performed on site OR in lab | ☒ Treatment should be performed in lab |

**Notes:**
- Scattered nicks, scratches, abrasions on skirt.
- Faux paint finish on top surface damaged by water.
- Holes in proper left front corner, probably from hook for towel.

**Recommendations:**
- Clean
- Fill holes
- Tone in areas of water damage, nicks, scratches, and abrasions.
**Object:** Wardrobe  
**Cat.No.:** 547  
**Location:** Master Bedroom  
**Material:** Wood, Veneer, Wood & Furniture Condition Survey  

**Condition Problems**

<table>
<thead>
<tr>
<th>Structure</th>
<th>Surface Elements</th>
<th>Finish</th>
<th>Upholstery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generally unsound</td>
<td>Missing elements</td>
<td>Dust</td>
<td>Dust</td>
</tr>
<tr>
<td>Loose joints</td>
<td>Damaged elements</td>
<td>Soiled</td>
<td>Soiled</td>
</tr>
<tr>
<td>Missing elements</td>
<td>Loose separated elements</td>
<td>Paint spatters</td>
<td>Loss</td>
</tr>
<tr>
<td>Broken elements</td>
<td>Loose veneer</td>
<td>Accretions</td>
<td>Light damage</td>
</tr>
<tr>
<td>Failed glue joints</td>
<td>Buckled veneer</td>
<td>Loss</td>
<td>Staining</td>
</tr>
<tr>
<td>Splits, unstable</td>
<td>Missing veneer</td>
<td>Light damage</td>
<td>Tears</td>
</tr>
<tr>
<td>Splits, stable</td>
<td>Scratches</td>
<td>Staining</td>
<td>Insect damage</td>
</tr>
<tr>
<td>Warp, twist</td>
<td>Dents</td>
<td>Sub-structure deteriorated</td>
<td>Inappropriate replacement</td>
</tr>
<tr>
<td>Insect damage (inactive)</td>
<td>Abrasions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active insect infestation</td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Paper Label**

- Deteriorated
- Losses
- Separated from substrate

**Condition Summary**

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

**Treatment priority:**

- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required
- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

**Notes:**
- Pediment off- found within. Turned finial split
- Lock proper left door-handle broken
- Beading missing from edges of drawer fronts, minor veneer losses
- Cornice split at proper right front cover

**Recommendations:**
- Repair lock, cornice, and pediment
- Clean
- Amalgamate crazed finish surfaces
- Apply protective coat of paste wax

**Treatment Estimates:**

- Minor (1-8)
- Moderate (9-16)
- Major (17+)

**Est. hrs.:** 20

---

**National Park Service**  
**Harpers Ferry Center**  
**P.O. Box 50**  
**Harpers Ferry, WV 25425**
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Cradle (on rockers)

**Cat.No.:** 497 A  
☐ associated  ☒ non-associated

**Location:** Master Bedroom

**Material:**  
☒ Wood  ☐ Veneer  ☐ Metal  ☐ Glass  ☐ Lacquer  ☐ Upholstery  ☐ Gilt  ☐ Other

**Previous repairs:** Rocker re-adhered

**Appears to have been re-finished**

---

### Condition Problems

**Structure:**  
☐ Generally unsound  
☐ Loose joints  
☐ Missing elements  
☒ Broken elements  
☐ Failed glue joints  
☐ Splits, unstable  
☐ Splits, stable  
☐ Warp, twist  
☐ Insect damage (inactive)  
☐ Active insect infestation  

**Surface Elements:**  
☐ Missing elements  
☐ Damaged elements  
☐ Loose separated elements  
☐ Loose veneer  
☐ Buckled veneer  
☐ Missing veneer  
☐ Scratches  
☐ Dents  
☐ Abrasions  

**Finish:**  
☒ Dust  
☐ Soiled  
☐ Paint spatters  
☐ Accretions  
☐ Loss  
☐ Light damage  
☐ Staining  
☐ Crazing  
☐ Bloom  
☐ Sticky  
☐ Opaque  
☐ Darkened  
☐ Linseed oil accretions  
☐ Water Damage  

**Upholstery:**  
☐ Dust  
☐ Soiled  
☐ Loss  
☐ Faded  
☐ Staining  
☐ Tears  
☐ Insect damage  
☐ Sub-structure deteriorated  
☐ Light damage  

**Paper Label:**  
☐ Deteriorated  
☐ Losses  
☐ Separated from substrate

**Condition Summary:**  
☐ Stable, appearance appropriate to historic period  
☒ Some unstable elements  
☐ Unstable, acceptable appearance  
☐ Unstable, inappropriate appearance

**Treatment priority:**  
☒ Immediate treatment by conservator, lack of treatment will result in further damage  
☐ Eventual treatment by conservator  
☐ Treatment should be performed by curatorial staff  
☐ Treatment can be performed by conservator or curatorial staff  
☐ No treatment required

☐ Treatment can be performed on site  
☐ Treatment can be performed on site OR in lab  
☒ Treatment should be performed in lab

**Notes:**  
- Two bent slats broken cross grain.
- Screw affixing hood hoops is loose.
- Scattered nicks, scratches, and abrasions.

---

**Recommendations:**  
- Repair slats.
- Secure screw.
- Tone in abrasions, and scratches.
- Clean/apply protective coat of paste wax.

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Bedstead  
**Conservator:** Ai Levitan  
**Date of Survey:** August 2008  
**Cat.No.:** 494  
**Location:** Master Bedroom  
**Material:** Wood  
**Previous repairs:**  

### Condition Problems

<table>
<thead>
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<tr>
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<tr>
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<td>Soiled</td>
<td>Soiled</td>
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<tr>
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<td>Paint spatters</td>
<td>Loss</td>
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<tr>
<td>Broken elements</td>
<td>Loose veneer</td>
<td>Accretions</td>
<td>Loss</td>
</tr>
<tr>
<td>Failed glue joints</td>
<td>Buckled veneer</td>
<td>Light damage</td>
<td>Light damage</td>
</tr>
<tr>
<td>Splits, unstable</td>
<td>Missing veneer</td>
<td>Staining</td>
<td>Inappropriate replacement</td>
</tr>
<tr>
<td>Splits, stable</td>
<td>Scratches</td>
<td>Crazing</td>
<td>Broken, loose, missing elements</td>
</tr>
<tr>
<td>Warp, twist</td>
<td>Dents</td>
<td>Bloom</td>
<td>Abraded</td>
</tr>
<tr>
<td>Insect damage (inactive)</td>
<td>Abrasions</td>
<td>Sticky</td>
<td>Oxidized</td>
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<tr>
<td>Active insect infestation</td>
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<td>Opaque</td>
<td>Polish residue</td>
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<tr>
<td>Other:</td>
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<td>Darkened</td>
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<tr>
<td></td>
<td>Deteriorated</td>
<td>Linseed oil accretions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Losses</td>
<td>Water Damage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Separated from substrate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Condition Summary

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

<table>
<thead>
<tr>
<th>Treatment priority:</th>
<th>Treatment Estimates:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate treatment by conservator, lack of treatment will result in further damage</td>
<td>Minor (1-8)</td>
</tr>
<tr>
<td>Eventual treatment by conservator</td>
<td>Moderate (9-16)</td>
</tr>
<tr>
<td>Treatment should be performed by curatorial staff</td>
<td>Major (17+)</td>
</tr>
<tr>
<td>Treatment can be performed by conservator or curatorial staff</td>
<td></td>
</tr>
<tr>
<td>No treatment required</td>
<td></td>
</tr>
<tr>
<td>Treatment can be performed on site</td>
<td></td>
</tr>
<tr>
<td>Treatment can be performed on site OR in lab</td>
<td></td>
</tr>
<tr>
<td>Treatment should be performed in lab</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**  
- Scattered nicks, scratches, paint rubs  
- Rail exhibit, moderate light fading  

**Recommendations:**  
- Clean  
- Reduce paint rubs  
- Tone in nicks and scratches  
- Apply protective coat of paste wax

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Feinting Couch  
**Cat.No.:** 483  
**Associated:** □  
**Non-associated:** □  
**Location:** Master Bedroom  
**Material:**  
- □ Wood  
- □ Veneer  
- □ Metal  
- □ Glass  
- □ Lacquer  
- □ Upholstery  
- □ Gilt  
- □ Other  
**Previous repairs:** Re-upholstered.

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
</tr>
<tr>
<td>□ Loose joints</td>
<td>□ Damaged elements</td>
<td>□ Soiled</td>
<td>□ Soiled</td>
</tr>
<tr>
<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
<td>□ Broken elements</td>
<td>□ Loose veneer</td>
<td>□ Accretions</td>
<td>□ Faded</td>
</tr>
<tr>
<td>□ Failed glue joints</td>
<td>□ Buckled veneer</td>
<td>□ Loss</td>
<td>□ Staining</td>
</tr>
<tr>
<td>□ Splits, unstable</td>
<td>□ Missing veneer</td>
<td>□ Light damage</td>
<td>□ Tears</td>
</tr>
<tr>
<td>□ Splits, stable</td>
<td>□ Scratches</td>
<td>□ Staining</td>
<td>□ Insect damage</td>
</tr>
<tr>
<td>□ Warp, twist</td>
<td>□ Dents</td>
<td>□ Crazing</td>
<td>□ Sub-structure deteriorated</td>
</tr>
<tr>
<td>□ Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td>□ Bloom</td>
<td>□ Light damage</td>
</tr>
<tr>
<td>□ Active insect infestation</td>
<td></td>
<td>□ Sticky</td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td>□ Opaque</td>
<td></td>
</tr>
</tbody>
</table>

**Paper Label:**
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate  

### Condition Summary

- □ Stable, appearance appropriate to historic period  
- □ Some unstable elements  
- □ Stable, inappropriate appearance  
- □ Unstable, acceptable appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Unstable, inappropriate appearance

**Treatment priority:**
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required

- □ Treatment can be performed on site  
- □ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Notes:**
- Feet are only exposed wood.  
- Show upholstery is worn and faded, some fraying of fabric along edges.  
- May be active insect infestation within, casings, debris on floor beneath.

**Recommendations:**
- Vacuum thoroughly.  
- Clean wood surfaces, apply protective coat of paste wax.  
- Monitor for presence of insects.

---

**National Park Service**
**Harpers Ferry Center**
**P.O. Box 50**
**Harpers Ferry, WV 25425**
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Trundle Bed  
**Cat.No.:** CH 496-1  
**Location:** Master Bedroom  
**Material:** Wood

**Previous repairs:** 

---

**Condition Problems**

<table>
<thead>
<tr>
<th>Structure</th>
<th>Surface Elements</th>
<th>Finish</th>
<th>Upholstery</th>
<th>Hardware</th>
</tr>
</thead>
</table>
| □ Generally unsound  
△ Loose joints  
□ Missing elements  
□ Broken elements  
□ Failed glue joints  
□ Splits, unstable  
□ Splits, stable  
□ Warp, twist  
□ Insect damage (inactive)  
□ Active insect infestation  | □ Missing elements  
□ Damaged elements  
□ Loose separated elements  
□ Loose veneer  
□ Buckled veneer  
□ Missing veneer  
□ Scratches  
□ Dents  
□ Abrasions  | □ Dust  
□ Soiled  
□ Paint spatters  
□ Accretions  
□ Loss  
□ Light damage  
□ Staining  
□ Crazing  
□ Bloom  
□ Sticky  
□ Opaque  
□ Darkened  
□ Linseed oil accretions  
□ Water Damage  | □ Dust  
□ Soiled  
□ Loss  
□ Faded  
□ Staining  
□ Tears  
□ Sub-structure deterioration  |
| Other: | Other: | Other: | Other: |

**Paper Label**

| □ Deteriorated  
□ Losses  
□ Separated from substrate |
| Other: |

**Condition Summary**

| □ Stable, appearance appropriate to historic period  
□ Stable, inappropriate appearance  
□ Damaged/missing elements, appropriate to historic period  | □ Some unstable elements  
□ Unstable, acceptable appearance  
□ Unstable, inappropriate appearance |

**Treatment priority:**

| □ Immediate treatment by conservator, lack of treatment will result in further damage  
□ Eventual treatment by conservator  
□ Treatment should be performed by curatorial staff  
□ Treatment can be performed by conservator or curatorial staff  
□ No treatment required  | Treatment Estimates:  
□ Minor (1-8)  
□ Moderate (9-16)  
□ Major (17+)  |
| Est. hrs.: 8 |

**Notes:**

- Rail/post joints somewhat loose.
- Scattered nicks, scratches, and abrasions.

**Recommendations:**

- Clean.
- Tone in nicks, scratches, and abrasions.
- Re-adhere loose joints.
- Apply protective coat of paste wax.

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Washstand  
**Cat.No.:** TA 511 □ associated  ✗ non-associated

**Location:** British Bedroom

**Material:**  
- ✗ Wood  
- □ Veneer  
- □ Metal  
- □ Glass  
- □ Lacquer  
- □ Upholstery  
- □ Gilt  
- □ Other

**Previous repairs:**

**Condition Problems**

**Structure:**  
- □ Generally unsound  
- ✗ Loose joints  
- □ Missing elements  
- □ Broken elements  
- □ Failed glue joints  
- □ Splits, unstable  
- □ Splits, stable  
- □ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation

**Surface Elements:**  
- □ Missing elements  
- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions

**Finish:**  
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage

**Upholstery:**  
- □ Dust  
- □ Soiled  
- □ Loss  
- □ Faded  
- □ Staining  
- □ Tears  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage

**Paper Label**  
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate

**Condition Summary**

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- ✗ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**  
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- ✗ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required

- □ Treatment can be performed on site  
- ✗ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Notes:**  
- Doorknobs loose, door m and t join loose-associated splits  
- Turned drawer pull loose  
- Numerous nicks, scratches, abrasions, appear to date to historical usage, some appear recent

**Recommendations:**  
- Clean  
- Stabilize door, re-secure drawer pull  
- Adhere splits  
- Apply protective coat of paste wax
Object: Table (bedside)

Cat.No.: TA 505 □ associated □ non-associated

Location: British Bedroom

Material: Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

Previous repairs: May be "married" piece- top appears to be replacement.

### Condition Problems

<table>
<thead>
<tr>
<th>Structure</th>
<th>Surface Elements</th>
<th>Finish</th>
<th>Upholstery</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Generally unsound</td>
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<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
<td>□ Broken elements</td>
<td>□ Loose veneer</td>
<td>□ Accretions</td>
<td>□ Faded</td>
</tr>
<tr>
<td>□ Failed glue joints</td>
<td>□ Buckled veneer</td>
<td>□ Light damage</td>
<td>□ Staining</td>
</tr>
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<td>□ Staining</td>
<td>□ Tears</td>
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<tr>
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<td>□ Scratches</td>
<td>□ Crazing</td>
<td>□ Insect damage</td>
</tr>
<tr>
<td>□ Warp, twist</td>
<td>□ Dents</td>
<td>□ Bloom</td>
<td>□ Sub-structure deteriorated</td>
</tr>
<tr>
<td>□ Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td>□ Sticky</td>
<td>□ Light damage</td>
</tr>
<tr>
<td>□ Active insect infestation</td>
<td></td>
<td>□ Opaque</td>
<td>□ Inappropriate replacement</td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td>□ Darkened</td>
<td>□ Broken, loose, missing elements</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Linseed oil accretions</td>
<td>□ Abraded</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Water Damage</td>
<td>□ Oxidized</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td>□ Polish residue</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Paper Label</th>
<th>Other:</th>
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<tr>
<td>□ Deteriorated</td>
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<tr>
<td>□ Losses</td>
<td></td>
</tr>
<tr>
<td>□ Separated from substrate</td>
<td></td>
</tr>
</tbody>
</table>

### Condition Summary

- □ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

### Treatment

<table>
<thead>
<tr>
<th>Treatment priority:</th>
<th>Immediate treatment by conservator, lack of treatment will result in further damage</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Immediate treatment by conservator</td>
<td></td>
</tr>
<tr>
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<td>□ Treatment should be performed by curatorial staff</td>
<td></td>
</tr>
<tr>
<td>□ Treatment can be performed by conservator or curatorial staff</td>
<td></td>
</tr>
<tr>
<td>□ No treatment required</td>
<td></td>
</tr>
</tbody>
</table>

- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

### Notes:

- Top surface extremely faded light, little finish remains.

### Recommendations:

- Clean
- Apply finish to top to better blend w/turned pedestal and base
- Apply protective coat of paste wax

---

National Park Service  P.O. Box 50
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### Condition Problems

**Structure:**
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

**Surface Elements:**
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

**Finish:**
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

**Material:**
- Wood
- Veneer
- Metal
- Glass
- Lacquer
- Upholstery
- Gilt
- Other

**Previous repairs:**

**Location:**
- American Bedroom

**Object:**
- Writing Desk

**Date of Survey:**
- August 2008

**Conservator:**
- Ai Levitan

**Cat.No.:**
- CH 543

**Condition Summary**

- Stable, appearance appropriate to historic period
- Some unstable elements
- Stable, inappropriate appearance
- Unstable, acceptable appearance
- Damaged/missing elements, appropriate to historic period
- Unstable, inappropriate appearance

**Treatment priority:**
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

**Notes:**
- Leather writing surface torn along hinge, currently separated
- Much burl veneer lost (pieces remain within desk), much loose
- Interior partitions separated
- Bottom panel split, insecurely attached

**Recommendations:**
- Make structural repairs, re-secure separated elements
- Re-adhere loose veneer, separated veneer, fill losses
- Reattach torn leather
- Clean/wax

---

National Park Service
Harpers Ferry Center
P.O. Box 50
Harpers Ferry, WV 25425
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
** Conservator: ** Al Levitan  
** Date of Survey: ** August 2008

**Object:** Ladderback Chair

<table>
<thead>
<tr>
<th>Cat.No.: CH 417</th>
<th>□ associated</th>
<th>✓ non-associated</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location:</strong> American Bedroom</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Material:</strong> Wood</td>
<td>□ Veneer</td>
<td>□ Metal</td>
</tr>
<tr>
<td><strong>Previous repairs:</strong> Previously painted-paint removed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Condition Problems

**Structure:**
- [ ] Generally unsound
- [ ] Loose joints
- [ ] Missing elements
- [ ] Broken elements
- [ ] Failed glue joints
- [ ] Splits, unstable
- [ ] Splits, stable
- [ ] Warp, twist
- [ ] Insect damage (inactive)
- [ ] Active insect infestation

**Surface Elements:**
- [ ] Missing elements
- [ ] Damaged elements
- [ ] Loose separated elements
- [ ] Loose veneer
- [ ] Buckled veneer
- [ ] Missing veneer
- [ ] Scratches
- [ ] Dents
- [ ] Abrasions

**Finish:**
- [ ] Dust
- [ ] Soiled
- [ ] Paint spatters
- [ ] Accretions
- [ ] Light damage
- [ ] Loss
- [ ] Staining
- [ ] Crazing
- [ ] Bloom
- [ ] Sticky
- [ ] Opaque
- [ ] Darkened
- [ ] Linseed oil accretions
- [ ] Water Damage

**Upholstery:**
- [ ] Dust
- [ ] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage
- [ ] Sub-structure deteriorated
- [ ] Light damage

**Hardware:**
- [ ] Inappropriate replacement
- [ ] Broken, loose, missing elements
- [ ] Abraded
- [ ] Oxidized
- [ ] Polish residue

**Paper Label**
- [ ] Deteriorated
- [ ] Losses
- [ ] Separated from substrate

**Other:**
- [ ] Stable, appearance appropriate to historic period
- [ ] Stable, inappropriate appearance
- [ ] Damaged/missing elements, appropriate to historic period
- [ ] Unstable, acceptable appearance
- [ ] Unstable, inappropriate appearance

**Condition Summary**
- [ ] Some unstable elements

**Treatment priority:**
- [ ] Immediate treatment by conservator, lack of treatment will result in further damage
- [ ] Eventual treatment by conservator
- [ ] Treatment should be performed by curatorial staff
- [ ] Treatment can be performed by conservator or curatorial staff
- [ ] No treatment required
- [ ] Treatment can be performed on site
- [ ] Treatment can be performed on site OR in lab
- [ ] Treatment should be performed in lab

**Est. hrs.:** 6

**Notes:**
- Rawhide seat torn.

**Recommendations:**
- Patch seat from underside.
- Clean wood and rawhide surfaces.

---

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Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Sofa  
**Cat.No.:** CH 484  
**Location:** Office  
**Material:** Wood, Veneer, Lacquer, Upholstery  
**Previous repairs:** Numerous old repairs to structure and surface elements, current show upholstery is probably a replacement

### Condition Problems

#### Structure:
- [ ] Generally unsound  
- [x] Loose joints  
- [ ] Missing elements  
- [ ] Broken elements  
- [ ] Failed glue joints  
- [x] Splits, unstable  
- [ ] Splits, stable  
- [ ] Warp, twist  
- [ ] Insect damage (inactive)  
- [ ] Active insect infestation  

**Other:**

- [ ] Dust  
- [ ] Soiled  
- [ ] Paint spatters  
- [ ] Accretions  
- [ ] Loss  
- [ ] Light damage  
- [ ] Staining  
- [ ] Crazing  
- [ ] Bloom  
- [ ] Sticky  
- [ ] Opaque  
- [ ] Darkened  
- [ ] Linseed oil accretions  
- [ ] Water Damage  

**Upholstery:**
- [ ] Dust  
- [ ] Soiled  
- [ ] Loss  
- [ ] Faded  
- [ ] Staining  
- [ ] Tears  
- [ ] Insect damage  
- [ ] Sub-structure deteriorated  
- [ ] Light damage  

**Surface Elements:**
- [ ] Missing elements  
- [x] Damaged elements  
- [ ] Loose separated elements  
- [x] Loose veneer  
- [ ] Buckled veneer  
- [ ] Missing veneer  
- [ ] Scratches  
- [ ] Dents  
- [ ] Abrasions  

**Other:**

**Paper Label**
- [ ] Deteriorated  
- [ ] Losses  
- [ ] Separated from substrate  

**Finish:**
- [x] Dust  
- [ ] Soiled  
- [ ] Paint spatters  
- [ ] Accretions  
- [ ] Loss  
- [ ] Light damage  
- [ ] Staining  
- [ ] Crazing  
- [ ] Bloom  
- [ ] Sticky  
- [ ] Opaque  
- [ ] Darkened  
- [ ] Linseed oil accretions  
- [x] Water Damage  

**Upholstery:**
- [ ] Inappropriate replacement  
- [ ] Broken, loose, missing elements  
- [ ] Abraded  
- [ ] Oxidized  
- [ ] Polish residue

**Other:**

**Hardware**
- [ ] Inappropriate replacement  
- [ ] Broken, loose, missing elements  
- [ ] Abraded  
- [ ] Oxidized  
- [ ] Polish residue

**Other:**

### Condition Summary

- [ ] Stable, appearance appropriate to historic period  
- [ ] Stable, inappropriate appearance  
- [ ] Damaged/missing elements, appropriate to historic period  
- [ ] Damaged/missing elements, inappropriate appearance  

**Treatment priority:**
- [x] Immediate treatment by conservator, lack of treatment will result in further damage  
- [ ] Eventual treatment by conservator  
- [ ] Treatment should be performed by curatorial staff  
- [ ] Treatment can be performed by conservator or curatorial staff  
- [ ] No treatment required  

- [ ] Treatment can be performed on site  
- [ ] Treatment can be performed on site OR in lab  
- [x] Treatment should be performed in lab  

**Notes:**
- Proper left rear foot partially separated/collapsed-has been repaired in past.  
- Extensive veneer loss, some lifting.  
- Show upholstery faded, embrittled from exposure to light.

**Recommendations:**
- Patch areas of missing veneer, re-adhere loose veneer.  
- Re-secure proper left rear foot.  
- Reduce visibility of old poorly executed repairs.  
- Reattach separated show upholstery.

---

National Park Service  
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Harpers Ferry Center  
Harpers Ferry, WV 25425
## Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House

**Object:** Secretary

**Cat.No.:** CT 556 □ associated □ non-associated

**Location:** Office

**Material:** □ Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

**Previous repairs:** Numerous repairs to structure, surface and finish

### Condition Problems

#### Structure:
- □ Generally unsound
- □ Loose joints
- □ Missing elements
- □ Failed glue joints
- □ Splits, unstable
- □ Splits, stable
- □ Warp, twist
- □ Insect damage (inactive)
- □ Active insect infestation

#### Surface Elements:
- □ Missing elements
- □ Damaged elements
- □ Loose separated elements
- □ Loose veneer
- □ Buckled veneer
- □ Missing veneer
- □ Scratches
- □ Dents
- □ Abrasions

#### Upholstery:
- □ Dust
- □ Soiled
- □ Accretions
- □ Paint spatters
- □ Accretions
- □ Light damage
- □ Staining
- □ Crazing
- □ Bloom
- □ Sticky
- □ Opaque
- □ Darkened
- □ Linseed oil accretions
- □ Water Damage

#### Finish:
- □ Dust
- □ Soiled
- □ Loss
- □ Faded
- □ Staining
- □ Tears
- □ Insect damage
- □ Sub-structure deteriorated
- □ Light damage

#### Hardware:
- □ Inappropriate replacement
- □ Broken, loose, missing elements
- □ Abraded
- □ Oxidized
- □ Polish residue

#### Paper Label:
- □ Deteriorated
- □ Losses
- □ Separated from substrate

### Condition Summary

- □ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

#### Treatment priority:
- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

#### Treatment Estimates:
- □ Minor (1-8)
- □ Moderate (9-16)
- □ Major (17+)

#### Est. hrs.: 96

**Notes:**
- Extensive veneer losses, much lifting of veneer on edges.
- Loose hinges and drawer pulls.
- Much of finish is soiled, areas of crazing and puddling.
- Base is unstable.

**Recommendations:**
- Make structural repairs.
- Re-adhere loose veneer, patch areas of missing veneer.
- Amalgamate finish, tone in areas of finish loss.
- Clean, repair leather writing surface.
Park: Fort Vancouver National Historic Site, McLoughlin House  
Object: Dining Chair  
Conservator: Al Levitan  
Date of Survey: August 2008

Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
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</thead>
<tbody>
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<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
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<tr>
<td>□ Loose joints</td>
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<td>□ Soiled</td>
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<tr>
<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
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<td>□ Darkened</td>
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<td>□ Linseed oil accretions</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>□ Water Damage</td>
<td></td>
</tr>
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</table>

Condition Summary

- □ Stable, appearance appropriate to historic period
- □ Some unstable elements
- □ Stable, inappropriate appearance
- □ Unstable, acceptable appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Unstable, inappropriate appearance

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</tr>
</tbody>
</table>

- □ Treatment can be performed on site  □ Treatment can be performed on site OR in lab  □ Treatment should be performed in lab

Notes:
- Scattered nicks, scratches, and abrasions. Particularly numerous on feet.
- Crest rail and front legs are particularly soiled.
- Needlepoint is worn at center of seat.

Recommendations:
- Clean
- Tone in abrasions
- Apply paste wax to finished wood surfaces

Treatment Estimates:
- □ Minor (1-8)
- □ Moderate (9-16)
- □ Major (17+)

Est. hrs.: 6
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Dining Chair (one of set)

**Cat.No.:** CH 434  
**Location:** Office  
**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

---

### Condition Problems

**Structure:**
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

**Surface Elements:**
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

**Finish:**
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Sub-structure deteriorated
- Light damage

**Hardware:**
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

**Paper Label**
- Deteriorated
- Losses
- Separated from substrate

**Other:**
---

---

### Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Stable, inappropriate appearance
- Unstable, acceptable appearance
- Unstable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Unstable, inappropriate appearance

**Treatment priority:**
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

**Notes:**
- Scattered nicks, scratches, abrasions-particularly numerous on feet.
- Scattered paint rubs
- Crest rail and legs particularly soiled

**Recommendations:**
- Clean
- Tone in abrasions
- Apply paste wax to finished wood surfaces

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**

### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Dining Chair (1 of set)  
**Cat.No.:** CH 416

**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt  
- Other

**Previous repairs:** Reupholstered in horsehair. Appears to be re-finished.

---

#### Condition Problems

**Structure:**  
- Generally unsound  
- Loose joints  
- Missing elements  
- Broken elements  
- Failed glue joints  
- Splits, unstable  
- Splits, stable  
- Warp, twist  
- Insect damage (inactive)  
- Active insect infestation  

**Surface Elements:**  
- Missing elements  
- Damaged elements  
- Loose separated elements  
- Loose veneer  
- Buckled veneer  
- Missing veneer  
- Scratches  
- Dents  
- Abrasions  

**Finish:**  
- Dust  
- Soiled  
- Paint spatters  
- Accretions  
- Loss  
- Light damage  
- Staining  
- Crazing  
- Bloom  
- Sticky  
- Opaque  
- Darkened  
- Linseed oil accretions  
- Water Damage  

**Upholstery:**  
- Dust  
- Soiled  
- Loss  
- Faded  
- Staining  
- Tears  
- Insect damage  
- Sub-structure deteriorated  
- Light damage

**Paper Label**  
- Deteriorated  
- Losses  
- Separated from substrate

**Hardware**  
- Inappropriate replacement  
- Broken, loose, missing elements  
- Abladed  
- Oxidized  
- Polish residue

**Other:**

---

#### Condition Summary

- Stable, appearance appropriate to historic period  
- Some unstable elements  
- Unstable, acceptable appearance  
- Unstable, inappropriate appearance

**Treatment priority:**  
- Immediate treatment by conservator, lack of treatment will result in further damage  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required

- Treatment can be performed on site  
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

**Notes:**  
- Split on proper left side of crest rail  
- Scattered abrasions and paint rubs  
- Horsehair upholstery is faded

**Recommendations:**  
- Clean  
- Repair split  
- Apply protective coat of paste wax to finished wood surfaces

---

National Park Service  
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Harpers Ferry Center  
Harpers Ferry, WV 25425
National Park Service  
Harpers Ferry Center  
Media Assets - Wood & Furniture  

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Dining Chair

**Cat.No.:** CH 403  
- X associated  
- □ non-associated

**Location:** Dining Room

**Material:**  
- X Wood  
- □ Veneer  
- □ Metal  
- □ Glass  
- □ Lacquer  
- □ Upholstery  
- □ Gilt  
- □ Other

**Previous repairs:** Reupholstered in black horsehair fabric 1979. Refinished, glue blocks and seat rails re-adhered. Crest rail patched.

---

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
</table>
| □ Generally unsound  
| □ Loose joints  
| □ Missing elements  
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| □ Failed glue joints  
| □ Splits, unstable  
| □ Splits, stable  
| □ Warp, twist  
| □ Insect damage (inactive)  
| □ Active insect infestation  |
| □ Missing elements  
| □ Damaged elements  
| □ Loose separated elements  
| □ Loose veneer  
| □ Buckled veneer  
| □ Missing veneer  
| □ Scratches  
| □ Dents  
| □ Abrasions  |
| □ Dust  
| □ Soiled  
| □ Paint spatters  
| □ Accretions  
| □ Loss  
| □ Light damage  
| □ Staining  
| □ Crazing  
| □ Bloom  
| □ Sticky  
| □ Opaque  
| □ Darkened  
| □ Linseed oil accretions  
| □ Water Damage  |
| □ Dust  
| □ Soiled  
| □ Loss  
| □ Faded  
| □ Staining  
| □ Tears  
| □ Insect damage  
| □ Sub-structure deteriorated  
| □ Light damage  |

### Condition Summary

| □ Stable, appearance appropriate to historic period  
| □ Stable, inappropriate appearance  
| □ Damaged/missing elements, appropriate to historic period  
| □ Unstable, acceptable appearance  
| □ Unstable, inappropriate appearance |

<table>
<thead>
<tr>
<th>Treatment priority:</th>
</tr>
</thead>
</table>
| □ Immediate treatment by conservator, lack of treatment will result in further damage  
| □ Eventual treatment by conservator  
| □ Treatment should be performed by curatorial staff  
| X Treatment can be performed by conservator or curatorial staff  
| □ No treatment required  |

- Treatment can be performed on site  
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

**Notes:**  
- Scattered abrasions, particularly on feet.

---

### Treatment Estimates:

| □ Minor (1-8)  
| □ Moderate (9-16)  
| □ Major (17+)  |

**Est. hrs.:** 4

---

### Recommendations:

- Clean  
- Tone in abrasions  
- Apply protective coat of paste wax

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Dining Chair  
**Cat.No.:** CH 410  
**Location:** Dining Room  
**Material:** Wood  
**Previous repairs:** Reupholstered in black horsehair fabric 1979. Refinished, glue blocks and seat rails re-adhered  
Crest Rail patched

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
</tr>
<tr>
<td>□ Loose joints</td>
<td>□ Damaged elements</td>
<td>□ Soiled</td>
<td>□ Soiled</td>
</tr>
<tr>
<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
<td>□ Failed glue joints</td>
<td>□ Loose veneer</td>
<td>□ Accretions</td>
<td>□ Faded</td>
</tr>
<tr>
<td>□ Splits, unstable</td>
<td>□ Buckled veneer</td>
<td>□ Light damage</td>
<td>□ Staining</td>
</tr>
<tr>
<td>□ Splits, stable</td>
<td>□ Missing veneer</td>
<td>□ Staining</td>
<td>□ Tears</td>
</tr>
<tr>
<td>□ Warp, twist</td>
<td>□ Scratches</td>
<td>□ crazing</td>
<td>□ Insect damage</td>
</tr>
<tr>
<td>□ Active insect infestation</td>
<td>□ Dents</td>
<td>□ Bloom</td>
<td>□ Sub-structure deteriorated</td>
</tr>
<tr>
<td>□ Other:</td>
<td>□ Abrasions</td>
<td>□ Sticky</td>
<td>□ Light damage</td>
</tr>
</tbody>
</table>

**Paper Label**

| □ Deteriorated | □ Paint spatters |
| □ Losses | □ Accretions |
| □ Separated from substrate | □ Painting |
| □ Other: |

**Finish:**

- Dust
- Soiled
- Paint spatters
- Accretions
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**

- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

**Hardware:**

- Inappropriate replacement
- Broken, loose, missing elements
- Abridged
- Oxidized
- Polish residue

**Condition Summary**

- □ Stable, appearance appropriate to historic period
- □ Some unstable elements
- □ Stable, inappropriate appearance
- □ Unstable, acceptable appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Unstable, inappropriate appearance

**Treatment priority:**

- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required
- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Est. hrs.:** 4

**Notes:**

- Scattered abrasions, particularly on feet

**Recommendations:**

- Clean
- Tone in abrasions
- Apply protective coat of paste wax
### Condition Survey

**Object:** Dining Chair

**Cat.No.:** CH 408  ☒ associated  ☐ non-associated

**Location:** Dining Room

**Material:** ☒ Wood  ☐ Veneer  ☐ Metal  ☐ Glass  ☐ Lacquer  ☒ Upholstery  ☐ Gilt  ☐ Other

**Previous repairs:** Reupholstered in black horsehair fabric, Crest rail patched, re-adhered, refinished.

### Condition Problems

#### Structure:
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation
- Other:

#### Surface Elements:
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions
- Other:

#### Finish:
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage
- Other:

#### Upholstery:
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

#### Hardware:
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

#### Paper Label
- Deteriorated
- Losses
- Separated from substrate

#### Other:

### Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

### Treatment priority:
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required
- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

### Treatment Estimates:
- Minor (1-8)
- Moderate (9-16)
- Major (17+)

### Est. hrs.:
- 6

### Notes:
- Scattered abrasions, areas of finish loss.

### Recommendations:
- Clean
- Tone in finish losses
- Apply protective coat of paste wax

---

National Park Service  P.O. Box 50
Harpers Ferry Center  Harpers Ferry, WV 25425
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Dining Chair (1 of a set)

**Cat.No.:** CH 401 □ associated  □ non-associated

**Location:** Dining Room

**Material:**  
□ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

**Previous repairs:** Reupholstered in 1986 and 1938. Most recent is in black horsehair.

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
</tr>
<tr>
<td>□ Loose joints</td>
<td>□ Damaged elements</td>
<td>□ Soiled</td>
<td>□ Soiled</td>
</tr>
<tr>
<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
<td>□ Broken elements</td>
<td>□ Loose veneer</td>
<td>□ Accretions</td>
<td>□ Faded</td>
</tr>
<tr>
<td>□ Failed glue joints</td>
<td>□ Buckled veneer</td>
<td>□ Light damage</td>
<td>□ Staining</td>
</tr>
<tr>
<td>□ Splits, unstable</td>
<td>□ Missing veneer</td>
<td>□ Staining</td>
<td>□ Tears</td>
</tr>
<tr>
<td>□ Splits, stable</td>
<td>□ Scratches</td>
<td>□ Crazing</td>
<td>□ Insect damage</td>
</tr>
<tr>
<td>□ Warp, twist</td>
<td>□ Dents</td>
<td>□ Bloom</td>
<td>□ Sub-structure deteriorated</td>
</tr>
<tr>
<td>□ Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td>□ Sticky</td>
<td>□ Light damage</td>
</tr>
<tr>
<td>□ Active insect infestation</td>
<td>Other:</td>
<td>□ Opaque</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Darkened</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Linseed oil accretions</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Water Damage</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
</tr>
</tbody>
</table>

**Paper Label**

□ Deteriorated  □ Losses  □ Separated from substrate

**Other:**

---

### Condition Summary

| □ Stable, appearance appropriate to historic period | □ Some unstable elements |
| □ Stable, inappropriate appearance                | □ Unstable, acceptable appearance |
| □ Damaged/missing elements, appropriate to historic period | □ Unstable, inappropriate appearance |

**Treatment priority:**

□ Immediate treatment by conservator, lack of treatment will result in further damage
□ Eventual treatment by conservator
□ Treatment should be performed by curatorial staff
□ Treatment can be performed by conservator or curatorial staff
□ No treatment required

□ Treatment can be performed on site  □ Treatment should be performed in lab

**Notes:**
- Scattered abrasions.

---

**Recommendations:**
- Clean
- Tone in abrasions
- Apply protective coat of paste wax

---

**National Park Service**  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
## Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Object:** Dining Chair (1 of a set)  
**Date of Survey:** August 2008  
**Cat.No.:** CH 405  
**Location:** Dining Room  
**Material:** Wood  
**Previous repairs:** Reupholstered in 1986 and 1938, most recent in black horsehair

### Condition Problems

**Structure:**
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

**Surface Elements:**
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

**Finish:**
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

**Hardware:**
- Inappropriate replacement
- Broken, loose, missing elements
- Abladed
- Oxidized
- Polish residue

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears

**Paper Label**
- Deteriorated
- Losses
- Separated from substrate

### Condition Summary

- X Stable, appearance appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

**Treatment priority:**
- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

- X Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Notes:**
- Scattered abrasions

### Treatment Estimates:

- □ Minor (1-8)
- □ Moderate (9-16)
- □ Major (17+)

**Est. hrs.:** 4

### Recommendations:
- Clean
- Tone in abrasions
- Apply protective coat of paste wax
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Object:** Dining Chair  
**Date of Survey:** August 2008

**Cat.No.:** CH 413  
**Location:** Dining Room  
**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

**Previous repairs:** Reupholstered in black horsehair fabric in 1979. Refinished

---

### Condition Problems

**Structure:**
- □ Generally unsound  
- □ Loose joints  
- □ Missing elements  
- □ Broken elements  
- □ Failed glue joints  
- □ Splits, unstable  
- □ Splits, stable  
- □ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation

**Surface Elements:**
- □ Missing elements  
- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions

**Finish:**
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage

**Upholstery:**
- □ Dust  
- □ Soiled  
- □ Loss  
- □ Faded  
- □ Staining  
- □ Tears  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage

**Hardware**
- □ Inappropriate replacement  
- □ Broken, loose, missing elements  
- □ Abraded  
- □ Oxidized  
- □ Polish residue

**Other:**
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage

**Paper Label**
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate

**Condition Summary**
- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required  
- □ Treatment can be performed on site  
- □ Treatment can be performed on site or in lab  
- □ Treatment should be performed in lab

**Treatment Estimates:**
- □ Minor (1-8)  
- □ Moderate (9-16)  
- □ Major (17+)  

**Est. hrs.:** 4

**Notes:**
- Scattered abrasions, particularly numerous on feet.  
- Old powder post beetle damage on seat rails.  
- Cob webs beneath seat.

**Recommendations:**
- Clean  
- Tone in abrasions  
- Apply protective coat of paste wax to finished wood surfaces

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Dining Chair  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Condition Problems**

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
</tr>
<tr>
<td>Loose joints</td>
<td>□ Damaged elements</td>
<td>□ Soiled</td>
<td>□ Soiled</td>
</tr>
<tr>
<td>Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
<td>Broken elements</td>
<td>□ Loose veneer</td>
<td>□ Accretions</td>
<td>□ Faded</td>
</tr>
<tr>
<td>Failed glue joints</td>
<td>□ Buckled veneer</td>
<td>□ Loss</td>
<td>□ Staining</td>
</tr>
<tr>
<td>Splits, unstable</td>
<td>□ Missing veneer</td>
<td>□ Light damage</td>
<td>□ Tears</td>
</tr>
<tr>
<td>Splits, stable</td>
<td>□ Scratches</td>
<td>□ Staining</td>
<td>□ Insect damage</td>
</tr>
<tr>
<td>Warp, twist</td>
<td>□ Dents</td>
<td>□ Crazing</td>
<td>□ Sub-structure deteriorated</td>
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<tr>
<td>Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td>□ Bloom</td>
<td>□ Light damage</td>
</tr>
<tr>
<td>Active insect infestation</td>
<td>Other: Paper Label</td>
<td>□ Sticky</td>
<td>Hardware</td>
</tr>
</tbody>
</table>

**Condition Summary**

- □ Stable, appearance appropriate to historic period
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

**Treatment priority:**

- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Notes:**

- Scattered abrasions, particularly numerous on feet
- Old powder post beetle damage on seat rails
- Cob webs beneath seat

**Recommendations:**

- Clean
- Tone in abrasions
- Apply protective coat of paste wax to finished surfaces

---

**Cat.No.:** CH 412  
**Location:** Dining Room  
**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

**Previous repairs:** Reupholstered in black horsehair fabric in 1979. Refinished
Park: **Fort Vancouver National Historic Site, McLoughlin House**
Object: **Dining Chair**
Conservator: **Al Levitan**
Date of Survey: **August 2008**

**Cat.No.:** CH 411  ❌ associated  ☑ non-associated

**Location:** Dining Room

**Material:** ☑ Wood  ❌ Veneer  ❌ Metal  ❌ Glass  ❌ Lacquer  ☑ Upholstery  ❌ Gilt  ❌ Other

**Previous repairs:** Reupholstered in black horsehair fabric in 1979. Refinished.

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generally unsound</td>
<td>Missing elements</td>
<td>Dust</td>
<td>Dust</td>
</tr>
<tr>
<td>Loose joints</td>
<td>Damaged elements</td>
<td>Soiled</td>
<td>Soiled</td>
</tr>
<tr>
<td>Missing elements</td>
<td>Loose separated elements</td>
<td>Paint spatters</td>
<td>Loss</td>
</tr>
<tr>
<td>Broken elements</td>
<td>Loose veneer</td>
<td>Accretions</td>
<td>Light damage</td>
</tr>
<tr>
<td>Failed glue joints</td>
<td>Buckled veneer</td>
<td>Loss</td>
<td>Staining</td>
</tr>
<tr>
<td>Splits, unstable</td>
<td>Missing veneer</td>
<td>Light damage</td>
<td>Tears</td>
</tr>
<tr>
<td>Splits, stable</td>
<td>Scratches</td>
<td>Sub-structure deteriorated</td>
<td></td>
</tr>
<tr>
<td>Warp, twist</td>
<td>Dents</td>
<td>Insect damage</td>
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<tr>
<td>Insect damage (inactive)</td>
<td>Abrasions</td>
<td>Light damage</td>
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<td>Inappropriate replacement</td>
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<td></td>
<td>Losses</td>
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<td></td>
<td>Separated from substrate</td>
<td>Abraded</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oxidized</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polish residue</td>
<td></td>
</tr>
</tbody>
</table>

### Condition Summary

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

#### Treatment priority:

- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

**Notes:**
- Scattered abrasions, particularly numerous on feet.
- Old powder post beetle damage on seat rails.
- Coh webs beneath seat.

**Recommendations:**
- Clean
- Tone in abrasions
- Apply protective coat of paste wax to finished wood surfaces

**Treatment Estimates:**
- Minor (1-8)
- Moderate (9-16)
- Major (17+)

**Est. hrs.:** 4
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Game Table  
**Cat. No.:** TA 500  
**Location:** Dining Room  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

### Condition Problems

**Structure:**
- [ ] Generally unsound
- [x] Loose joints
- [ ] Missing elements
- [x] Broken elements
- [ ] Failed glue joints
- [ ] Splits, unstable
- [ ] Splits, stable
- [ ] Warp, twist
- [ ] Insect damage (inactive)
- [ ] Active insect infestation
- [ ] Other:

**Surface Elements:**
- [ ] Missing elements
- [ ] Damaged elements
- [x] Loose separated elements
- [x] Loose veneer
- [ ] Buckled veneer
- [x] Missing veneer
- [x] Scratches
- [ ] Dents
- [ ] Abrasions
- [ ] Other:

**Finish:**
- [x] Dust
- [ ] Soiled
- [ ] Paint spatters
- [ ] Accretions
- [ ] Loss
- [ ] Light damage
- [ ] Staining
- [ ] Crazing
- [ ] Bloom
- [ ] Sticky
- [x] Opaque
- [ ] Darkened
- [x] Linseed oil accretions
- [ ] Water Damage
- [ ] Other:

**Upholstery:**
- [ ] Dust
- [ ] Soiled
- [x] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage
- [ ] Sub-structure deteriorated
- [ ] Light damage

**Paper Label**
- [ ] Deteriorated
- [ ] Losses
- [ ] Separated from substrate

**Hardware**
- [ ] Inappropriate replacement
- [ ] Broken, loose, missing elements
- [ ] Abridged
- [ ] Oxidized
- [ ] Polish residue

**Condition Summary**

- [ ] Stable, appearance appropriate to historic period
- [x] Some unstable elements
- [ ] Unstable, acceptable appearance
- [ ] Unstable, inappropriate appearance

**Treatment priority:**
- [x] Immediate treatment by conservator, lack of treatment will result in further damage
- [ ] Eventual treatment by conservator
- [ ] Treatment should be performed by curatorial staff
- [ ] Treatment can be performed by conservator or curatorial staff
- [ ] No treatment required

**Treatment Estimates:**
- [x] Minor (1-8)
- [ ] Moderate (9-16)
- [ ] Major (17+)

**Est. hrs.:** 38

**Notes:**
- Pedestal, base, and feet extremely soiled.
- Surface of top exhibits, staining, water damage, and light damage.
- Base is faded, some losses and tears.
- Loose and lifting veneer.

**Recommendations:**
- Clean
- Patch veneer, re-adhere loose veneer
- Repair finish on top surface
- Stabilize base

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Game Table (mate to TA 500)  
**Cat.No.:** TA 517  
**Location:** Dining Room  
**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt  
- Other  
**Previous repairs:** Veneer has been patched. Base has been replaced.

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generally unsound</td>
<td>Missing elements</td>
<td>Dust</td>
<td>Dust</td>
</tr>
<tr>
<td>Loose joints</td>
<td>Damaged elements</td>
<td>Soiled</td>
<td>Soiled</td>
</tr>
<tr>
<td>Missing elements</td>
<td>Loose separated elements</td>
<td>Light damage</td>
<td>Loss</td>
</tr>
<tr>
<td>Broken elements</td>
<td>Loose veneer</td>
<td>Accretions</td>
<td>Faded</td>
</tr>
<tr>
<td>Failed glue joints</td>
<td>Buckled veneer</td>
<td>Insect damage</td>
<td>Staining</td>
</tr>
<tr>
<td>Splits, unstable</td>
<td>Missing veneer</td>
<td>Sub-structure deteriorated</td>
<td>Tears</td>
</tr>
<tr>
<td>Splits, stable</td>
<td>Scratches</td>
<td>Sub-structure deteriorated</td>
<td>Insect damage</td>
</tr>
<tr>
<td>Warp, twist</td>
<td>Dents</td>
<td>Light damage</td>
<td>Insect damage</td>
</tr>
<tr>
<td>Insect damage (inactive)</td>
<td>Abrasions</td>
<td>Other:</td>
<td>Sub-structure deteriorated</td>
</tr>
<tr>
<td>Active insect infestation</td>
<td>Other:</td>
<td>Other:</td>
<td>Light damage</td>
</tr>
</tbody>
</table>

**Paper Label**  
- Deteriorated  
- Losses  
- Separated from substrate

**Condition Summary**

- Stable, appearance appropriate to historic period  
- Stable, inappropriate appearance  
- Some unstable elements  
- Unstable, acceptable appearance  
- Unstable, inappropriate appearance  

**Treatment priority:**  
- Immediate treatment by conservator, lack of treatment will result in further damage  
- Eventual treatment by conservator  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required

- Treatment can be performed on site  
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

**Notes:**  
- Pedestal base and feet extremely soiled  
- Surface of top exhibits staining and light damage  
- Areas of loose and lifting veneer, particularly on edges of top surfaces

**Recommendations:**  
- Clean  
- Patch missing veneer, re-adhere loose veneer  
- Repair finish on top surface  
- Apply protective coat of paste wax

---

National Park Service  
Harpers Ferry Center  
P.O. Box 50  
Harpers Ferry, WV 25425
National Park Service
Harpers Ferry Center
Media Assets - Wood & Furniture

Condition Survey

Park: **Fort Vancouver National Historic Site, McLoughlin House**
Conservator: Al Levitan

Object: **Arm Chair**

Date of Survey: **August 2008**

Cat.No.: **CH 431** □ associated ☒ non-associated

Location: **Dining Room**

Material: □ Wood □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

Previous repairs: Reupholstered in black horsehair fabric, Refinished join between read of crest rail and seat posts repaired

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
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<tr>
<td>□ Loose joints</td>
<td>□ Damaged elements</td>
<td>□ Soiled</td>
<td>□ Soiled</td>
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<tr>
<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
<td>□ Broken elements</td>
<td>□ Loose veneer</td>
<td>□ Accretions</td>
<td>□ Faded</td>
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<td>□ Failed glue joints</td>
<td>□ Buckled veneer</td>
<td>□ Light damage</td>
<td>□ Staining</td>
</tr>
<tr>
<td>□ Splits, unstable</td>
<td>□ Missing veneer</td>
<td>□ Staining</td>
<td>□ Tears</td>
</tr>
<tr>
<td>□ Splits, stable</td>
<td>□ Scratches</td>
<td>□ Crazing</td>
<td>□ Insect damage</td>
</tr>
<tr>
<td>□ Warp, twist</td>
<td>□ Dents</td>
<td>□ Bloom</td>
<td>□ Sub-structure deteriorated</td>
</tr>
<tr>
<td>□ Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td>□ Sticky</td>
<td>□ Light damage</td>
</tr>
<tr>
<td>□ Active insect infestation</td>
<td></td>
<td>□ Opaque</td>
<td>□ Inappropriate replacement</td>
</tr>
<tr>
<td>Other:</td>
<td>Paper Label</td>
<td>□ Darkened</td>
<td>□ Broken, loose, missing elements</td>
</tr>
<tr>
<td></td>
<td>□ Deteriorated</td>
<td>□ Linseed oil accretions</td>
<td>□ Abraded</td>
</tr>
<tr>
<td></td>
<td>□ Losses</td>
<td>□ Water Damage</td>
<td>□ Oxidized</td>
</tr>
<tr>
<td></td>
<td>□ Separated from substrate</td>
<td></td>
<td>□ Polish residue</td>
</tr>
<tr>
<td></td>
<td>Other:</td>
<td>Treatment Estimates:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Condition Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Stable, appearance appropriate to historic period</td>
</tr>
<tr>
<td>□ Stable, inappropriate appearance</td>
</tr>
<tr>
<td>□ Damaged/missing elements, appropriate to historic period</td>
</tr>
<tr>
<td>□ Some unstable elements</td>
</tr>
<tr>
<td>□ Unstable, acceptable appearance</td>
</tr>
<tr>
<td>□ Unstable, inappropriate appearance</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Treatment priority:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Immediate treatment by conservator, lack of treatment will result in further damage</td>
</tr>
<tr>
<td>□ Eventual treatment by conservator</td>
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<tr>
<td>□ Treatment should be performed by curatorial staff</td>
</tr>
<tr>
<td>□ Treatment can be performed by conservator or curatorial staff</td>
</tr>
<tr>
<td>□ No treatment required</td>
</tr>
</tbody>
</table>

| Treatment can be performed on site | Treatment can be performed on site OR in lab | Treatment should be performed in lab |

Notes:
- Rear surfaces extensively fade from light exposure.
- Old repairs usually obvious.

Recommendations:
- Clean
- Tone in rear surface to better match adjacent surfaces
- Reduce visibility of old repairs
- Apply protective coat of paste wax
### Condition Problems

**Structure:**
- [ ] Generally unsound
- [ ] Loose joints
- [ ] Missing elements
- [ ] Broken elements
- [ ] Failed glue joints
- [ ] Splits, unstable
- [ ] Splits, stable
- [ ] Warp, twist
- [ ] Insect damage (inactive)
- [ ] Active insect infestation
- [ ] Other:

**Surface Elements:**
- [ ] Missing elements
- [ ] Damaged elements
- [ ] Loose separated elements
- [ ] Loose veneer
- [ ] Buckled veneer
- [ ] Missing veneer
- [ ] Scratches
- [ ] Dents
- [ ] Abrasions
- [ ] Other:

**Paper Label**
- [ ] Deteriorated
- [ ] Losses
- [ ] Separated from substrate

**Finish:**
- [ ] Dust
- [ ] Soiled
- [ ] Paint spatters
- [ ] Accretions
- [ ] Loss
- [ ] Light damage
- [ ] Staining
- [ ] Crazing
- [ ] Bloom
- [ ] Sticky
- [ ] Opaque
- [ ] Darkened
- [ ] Linseed oil accretions
- [ ] Water Damage
- [ ] Other:

**Upholstery:**
- [ ] Dust
- [ ] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage
- [ ] Sub-structure deteriorated
- [ ] Light damage
- [ ] Inappropriate replacement
- [ ] Broken, loose, missing elements
- [ ] Abrided
- [ ] Oxidized
- [ ] Polish residue
- [ ] Other:

**Finish:**
- [ ] Dust
- [ ] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage
- [ ] Sub-structure deteriorated
- [ ] Light damage

**Hardware**
- [ ] Inappropriate replacement
- [ ] Broken, loose, missing elements
- [ ] Abrided
- [ ] Oxidized
- [ ] Polish residue
- [ ] Other:

**Condition Summary**
- [ ] Stable, appearance appropriate to historic period
- [ ] Stable, inappropriate appearance
- [ ] Damaged/missing elements, appropriate to historic period
- [ ] Unstable, acceptable appearance
- [ ] Unstable, inappropriate appearance
- [ ] Some unstable elements
- [ ] Other:

**Treatment priority:**
- [ ] Immediate treatment by conservator, lack of treatment will result in further damage
- [ ] Eventual treatment by conservator
- [ ] Treatment should be performed by curatorial staff
- [ ] Treatment can be performed by conservator or curatorial staff
- [ ] No treatment required
- [ ] Treatment can be performed on site
- [ ] Treatment can be performed on site OR in lab
- [ ] Treatment should be performed in lab

### Notes:
- Moderately soiled.
- Finish on proper left rear legs is blistered—possibly from proximity to heat source.
- Scattered nicks, scratches, and abrasions.

### Recommendations:

---

National Park Service
Harpers Ferry Center
P.O. Box 50
Harpers Ferry, WV 25425
### Park:
**Fort Vancouver National Historic Site, McLoughlin House**

### Object:
**Dining Chair**

### Cat.No.:
**CH 409**  
- Associated
- Non-associated

### Location:
**Dining Room**

### Material:
- **Wood**
- Veneer
- Metal
- Glass
- Lacquer
- Upholstery
- Gilt
- Other

### Previous repairs:

### Condition Problems

#### Structure:
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation
- Other:

#### Surface Elements:
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions
- Other:

#### Finish:
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage
- Other:

#### Upholstery:
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage
- Other:

#### Hardware:
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

#### Paper Label:
- Deteriorated
- Losses
- Separated from substrate
- Other:

### Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Stable, inappropriate appearance
- Unstable, acceptable appearance
- Damaged/missing elements, appropriate to historic period
- Unstable, inappropriate appearance

### Treatment priority:
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required
- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

### Treatment Estimates:
- Minor (1-8)
- Moderate (9-16)
- Major (17+)

**Est. hrs.: 4**

### Notes:
- Front feet cut down approximately 1" side seat rails angle downward
- Scattered abrasions

### Recommendations:
- Clean
- Apply protective coat of paste wax

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
Conservator: Al Levitan  
Date of Survey: August 2008

**Object:** Tambor Desk  
Cat.No.: ____________________  
□ associated □ non-associated

**Location:** Dining Room

**Material:**  
□ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other  Porcelain Knobs

**Previous repairs:** Porcelain knobs are replacements. Varnish has been overcoated.

---

### Condition Problems

**Structure:**  
□ Generally unsound  
□ Loose joints  
□ Missing elements  
□ Broken elements  
□ Failed glue joints  
□ Splits, unstable  
□ Splits, stable  
□ Warp, twist  
□ Insect damage (inactive)  
□ Active insect infestation

**Surface Elements:**  
□ Missing elements  
□ Damaged elements  
□ Loose separated elements  
□ Loose veneer  
□ Buckled veneer  
□ Missing veneer  
□ Scratches  
□ Dents  
□ Abrasions

**Finish:**  
□ Dust  
□ Soiled  
□ Paint spatters  
□ Accretions  
□ Loss  
□ Light damage  
□ Staining  
□ Crazing  
□ Bloom  
□ Sticky  
□ Opaque  
□ Darkened  
□ Linseed oil accretions  
□ Water Damage

**Upholstery:**  
□ Dust  
□ Soiled  
□ Loss  
□ Faded  
□ Staining  
□ Tears  
□ Insect damage  
□ Sub-structure deteriorated  
□ Light damage

**Hardware:**  
□ Inappropriate replacement  
□ Broken, loose, missing elements  
□ Abraded  
□ Oxidized  
□ Polish residue

**Paper Label**  
□ Deteriorated  
□ Losses  
□ Separated from substrate

---

### Condition Summary

□ Stable, appearance appropriate to historic period  
□ Some unstable elements  
□ Unstable, acceptable appearance  
□ Unstable, inappropriate appearance

**Treatment priority:**  
□ Immediate treatment by conservator, lack of treatment will result in further damage  
□ Eventual treatment by conservator  
□ Treatment should be performed by curatorial staff  
□ Treatment can be performed by conservator or curatorial staff  
□ No treatment required

□ Treatment can be performed on site  
□ Treatment can be performed on site OR in lab  
□ Treatment should be performed in lab

**Treatment Estimates:**  
□ Minor (1-8)  
□ Moderate (9-16)  
□ Major (17+)  

**Est. hrs.:** 80

---

**Notes:**  
- Scattered losses of banding and molding.  
- Casters on rear legs are broken.  
- Finish has crazed and puddled.  
- Velvet writing surface with some areas of lifting edges. Pulls for writing surface supports missing.

**Recommendations:**  
- Replace missing elements.  
- Amalgamate finish, tone in losses.  
- Repair casters.  
- Apply protective coat of paste wax.
Condition Survey

Park: Fort Vancouver National Historic Site, McLoughlin House
Object: Dining Chair
Conservator: Al Levitan
Date of Survey: August 2008

Cat.No.: CH 407
Location: Dining Room
Previous repairs: Reupholstered in 1979 in black horsehair fabric, Crest rail repaired, refinished

Material: Wood

Structure: General unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

Surface Elements: Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

Other:

Paper Label
- Deteriorated
- Losses
- Separated from substrate

Finish: Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

Upholstery: Dust
- Soiled
- Loss
- Faded
- Staining

Hardware
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

Upholstery:
- Sub-structure deteriorated
- Light damage

Condition Problems

Condition Summary
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

Treatment priority:
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

Notes:
- Scattered abrasions
- Old repair to joins in crest rail is failing

Treatment Estimates:
- Minor (1-8)
- Moderate (9-16)
- Major (17+)

Est. hrs.: 8

Recommendations:
- Clean
- Tone in abrasions and areas of finish loss
- Make structure repair to crest rail
- Apply protective coat of paste wax to finished wood surfaces
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Dining Chair

**Cat.No.:** CH 402  
**Location:** Dining Room

**Material:** Wood

**Previous repairs:** Reupholstered in 1979, black horsehair fabric, Crest rail repaired, refinished

---

### Condition Problems

**Structure:**
- [ ] Generally unsound
- [X] Loose joints
- [ ] Missing elements
- [ ] Failed glue joints
- [ ] Splits, unstable
- [ ] Splits, stable
- [X] Warp, twist
- [ ] Insect damage (inactive)
- [ ] Active insect infestation

**Surface Elements:**
- [ ] Dust
- [ ] Soiled
- [X] Paint spatters
- [ ] Accretions
- [ ] Loss
- [ ] Light damage
- [ ] Staining
- [ ] Crazing
- [ ] Bloom
- [ ] Sticky
- [X] Opaque
- [ ] Darkened
- [X] Linseed oil accretions
- [X] Water Damage

**Finish:**
- [X] Dust
- [X] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage (inactive)
- [ ] Sub-structure deteriorated
- [ ] Light damage

**Upholstery:**
- [X] Dust
- [X] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage (inactive)
- [ ] Sub-structure deteriorated

**Hardware:**
- [X] Inappropriate replacement
- [X] Broken, loose, missing elements
- [ ] Abraded
- [ ] Oxidized
- [ ] Polish residue

**Paper Label:**
- [ ] Deteriorated
- [ ] Losses
- [ ] Separated from substrate

**Other:**

---

### Condition Summary

- [X] Some unstable elements
- [ ] Unstable, acceptable appearance
- [ ] Unstable, inappropriate appearance

**Treatment priority:**
- [X] Immediate treatment by conservator, lack of treatment will result in further damage
- [ ] Eventual treatment by conservator
- [ ] Treatment should be performed by curatorial staff
- [ ] Treatment can be performed by conservator or curatorial staff
- [ ] No treatment required

- [ ] Treatment can be performed on site
- [X] Treatment can be performed on site OR in lab
- [X] Treatment should be performed in lab

**Notes:**
- Scattered abrasions.
- Old repair to joins in crest rail is failing.

---

### Recommendations:

- Clean
- Tone in abrasions and areas of finish loss
- Make structure repair to crest rail
- Apply protective coat of paste wax to finished wood surfaces

---

![National Park Service Harpers Ferry Center Media Assets - Wood & Furniture](image_url)
Park: Fort Vancouver National Historic Site, McLoughlin House  
Object: Dining Chair (1 of a set)  
Conservator: Al Levitan  
Date of Survey: August 2008  

Cat.No.: 414  
Associated □  non-associated □

Location: Dining Room  
Material: □ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

Previous repairs: Reupholstered in black horsehair fabric, Refinished

Condition Problems

Structure:
- □ Generally unsound
- □ Loose joints
- □ Missing elements
- □ Broken elements
- □ Failed glue joints
- □ Splits, unstable
- □ Splits, stable
- □ Warp, twist
- □ Insect damage (inactive)
- □ Active insect infestation
Other:
- □ Dust
- □ Soiled
- □ Paint spatters
- □ Accretions
- □ Loss
- □ Light damage
- □ Staining
- □ Crazing
- □ Bloom
- □ Sticky
- □ Opaque
- □ Darkened
- □ Linseed oil accretions
- □ Water Damage
Other:
- □ Insect damage (inactive)
- □ Active insect infestation

Upholstery:
- □ Dust
- □ Soiled
- □ Loss
- □ Faded
- □ Staining
- □ Tears
- □ Insect damage
- □ Sub-structure deteriorated
- □ Light damage

Hardware:
- □ Inappropriate replacement
- □ Broken, loose, missing elements
- □ Abrided
- □ Oxidized
- □ Polish residue

Surface Elements:
- □ Missing elements
- □ Damaged elements
- □ Loose separated elements
- □ Loose veneer
- □ Buckled veneer
- □ Missing veneer
- □ Scratches
- □ Dents
- □ Abrasions
Other:
- □ Deteriorated
- □ Losses
- □ Separated from substrate

Other:

Paper Label:
- □ Deteriorated
- □ Losses
- □ Separated from substrate

Condition Summary

□ Stable, appearance appropriate to historic period
□ Stable, inappropriate appearance
□ Damaged/missing elements, appropriate to historic period
□ Some unstable elements
□ Unstable, acceptable appearance
□ Unstable, inappropriate appearance

Treatment priority:
- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

□ Treatment can be performed on site
□ Treatment can be performed on site OR in lab
□ Treatment should be performed in lab

Notes:
- Scattered abrasions
- Old powder post beetle damage to seat rails

Recommendations:
- Clean
- Tone in abrasions
- Apply protective coat of paste wax to finished surfaces

Treatment Estimates:
- □ Minor (1-8)
- □ Moderate (9-16)
- □ Major (17+)

Est. hrs.: 4
# Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Tea Canister  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Cat.No.:** CT 522  
**Associated/Dnon-associated:** associated

**Location:** Dining Room

**Material:**  
- Wood
- Veneer
- Metal
- Glass
- Lacquer
- Upholstery
- Gilt
- Other: Lacquer

**Previous repairs:**

---

## Condition Problems

### Structure:
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

### Surface Elements:
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

### Finish:
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

### Upholstery:
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

### Hardware:
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

### Paper Label:
- Deteriorated
- Losses
- Separated from substrate

### Other:

---

## Condition Summary

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

### Treatment priority:
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

### Notes:
- Lacquer surface dull, damage from exposure to light and fluctuating environmental conditions.
- Lid is insecure, no longer attached to 1 (of 2) hinges.
- Loss of lacquer on proper left rear corner.

### Recommendations:
- Clean, polish lacquer.
- Re-secure hinge.
- Flatten and re-secure lifting flaks.

---

### Treatment Estimates:
- Minor (1-8)
- Moderate (9-16)
- Major (17+)

### Est. hrs.: 16
# Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

### Object: Dining Table
**Cat.No.:** TA 502  
**Location:** Dining Room

**Material:** Wood  
**Previous repairs:** Refinished, leaves secured by batten on underside

<table>
<thead>
<tr>
<th>Structure</th>
<th>Surface Elements</th>
<th>Finish</th>
<th>Upholstery</th>
<th>Treatment priority</th>
</tr>
</thead>
</table>
| - Generally unsound  
- Loose joints  
- Missing elements  
- Broken elements  
- Failed glue joints  
- Splits, unstable  
- Splits, stable  
- Warp, twist  
- Insect damage (inactive)  
- Active insect infestation | - Missing elements  
- Damaged elements  
- Loose separated elements  
- Loose veneer  
- Buckled veneer  
- Missing veneer  
- Scratches  
- Dents  
- Abrasions | - Dust  
- Soiled  
- Paint spatters  
- Accretions  
- Loss  
- Light damage  
- Staining  
- Crazing  
- Bloom  
- Sticky  
- Opaque  
- Darkened  
- Linseed oil accretions  
- Water Damage  
- Other: Paper Label | - Dust  
- Soiled  
- Loss  
- Faded  
- Staining  
- Tears  
- Insect damage  
- Sub-structure deteriorated  
- Light damage  
- Hardware | - Inappropriate replacement  
- Broken, loose, missing elements  
- Abraded  
- Oxidized  
- Polish residue  
- Other: |
| - Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required | - Treatment can be performed on site  
- Treatment can be performed on site OR in lab | - Treatment should be performed in lab |

### Condition Summary

- Stable, appearance appropriate to historic period  
- Stable, inappropriate appearance  
- Damaged/missing elements, appropriate to historic period  
- Damaged/missing elements, inappropriate appearance  
- Some unstable elements  
- Unstable, acceptable appearance  
- Unstable, inappropriate appearance

- Immediate treatment by conservator, lack of treatment will result in further damage  
- Eventual treatment by conservator  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required

- Treatment can be performed on site  
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

### Treatment Estimates:

- Minor (1-8)  
- Moderate (9-16)  
- Major (17+)

**Est. hrs.:** 12

### Notes:

- Scattered abrasions, particularly numerous on legs and apron  
- Caster soiled, oxidized, yokes loose on shaft

### Recommendations:

- Clean  
- Tone in losses and abrasions  
- Clean casters, reduce oxidation, apply micro-crystalline wax  
- Apply paste wax to finished wood surfaces
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Sideboard  
**Cat.No.:** CH 550 □ associated  □ non-associated

**Location:** Dining Room  
**Material:** □ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

**Previous repairs:** Drawer guides replaced

### Condition Problems

**Structure:**  
- Generally unsound  
- Loose joints  
- Missing elements  
- Broken elements  
- Failed glue joints  
- Splits, unstable  
- Splits, stable  
- Warp, twist  
- Insect damage (inactive)  
- Active insect infestation

**Surface Elements:**  
- Missing elements  
- Damaged elements  
- Loose separated elements  
- Loose veneer  
- Buckled veneer  
- Missing veneer  
- Scratches  
- Dents  
- Abrasions

**Finish:**  
- Dust  
- Soiled  
- Paint spatters  
- Accretions  
- Loss  
- Light damage  
- Staining  
- Crazing  
- Bloom  
- Sticky  
- Opaque  
- Darkened  
- Linseed oil accretions  
- Water Damage

**Upholstery:**  
- Dust  
- Soiled  
- Loss  
- Faded  
- Staining  
- Tears  
- Insect damage  
- Sub-structure deteriorated  
- Light damage  
- Sub-structure deteriorated  
- Inappropriate replacement  
- Broken, loose, missing elements  
- Abraded  
- Oxidized  
- Polish residue

**Hardware:**  
- Inappropriate replacement  
- Broken, loose, missing elements  
- Abraded  
- Oxidized  
- Polish residue

**Other:**

**Paper Label**  
- Deteriorated  
- Losses  
- Separated from substrate

### Condition Summary

- Stable, appearance appropriate to historic period  
- Some unstable elements  
- Stable, inappropriate appearance  
- Unstable, acceptable appearance  
- Damaged/missing elements, appropriate to historic period  
- Unstable, inappropriate appearance

**Treatment priority:**  
- Immediate treatment by conservator, lack of treatment will result in further damage  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required

- Treatment can be performed on site  
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

**Notes:**
- Secondary wood has shrunk in number of areas resulting in splits and irregular surfaces.
- Numerous small areas of veneer and molding loss.
- Drawer pull from proper left side separated (found in drawer in secretary in office) items found within drawers.

**Recommendations:**
- Clean.
- Fill splits in veneer on top surfaces with pigmented wax.
- Reattach separated drawer pull, tone in recent scratches/abrasions.
- Apply protective coat of paste wax.

---

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Harpers Ferry, WV 25425
Park: Fort Vancouver National Historic Site, McLoughlin House
Object: Banjo Clock
Cat.No.: CT 590 □ associated  ❑ non-associated
Location: Dining Room
Material: ❑ Wood  ❑ Veneer  ❑ Metal  ❑ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other
Previous repairs: Appears to have been refinished.

Condition Problems
Structure: Structure:
- □ Generally unsound
- □ Loose joints
- □ Missing elements
- □ Broken elements
- □ Failed glue joints
- □ Splits, unstable
- □ Splits, stable
- □ Warp, twist
- □ Insect damage (inactive)
- □ Active insect infestation
- Other: __________________________

Surface Elements: Surface Elements:
- □ Missing elements
- □ Damaged elements
- □ Loose separated elements
- □ Loose veneer
- □ Buckled veneer
- □ Missing veneer
- □ Scratches
- □ Dents
- □ Abrasions
- Other: __________________________

Finish: Finish:
- □ Dust
- □ Soiled
- □ Paint spatters
- □ Accretions
- □ Loss
- □ Light damage
- □ Staining
- □ Crazing
- □ Bloom
- □ Sticky
- □ Opaque
- □ Darkened
- □ Linseed oil accretions
- □ Water Damage
- Other: __________________________

Upholstery: Upholstery:
- □ Dust
- □ Soiled
- □ Loss
- □ Faded
- □ Staining
- □ Tears
- □ Insect damage
- □ Sub-structure deteriorated
- □ Light damage
- □ Inappropriate replacement
- □ Broken, loose, missing elements
- □ Abraded
- □ Oxidized
- □ Polish residue
- Other: __________________________

Paper Label Paper Label:
- □ Deteriorated
- □ Losses
- □ Separated from substrate
- Other: __________________________

Condition Summary
- ❑ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance
- Treatment
- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required
- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

Treatment Estimates:
- □ Minor (1-8)
- □ Moderate (9-16)
- □ Major (17+)

Est. hrs.:

Notes:

Recommendations:
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Game Table

**Cat.No.:** 501  
- associated  
- non-associated

**Location:** Dining Room

**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt  
- Other

**Previous repairs:** Veneer replacement

---

### Condition Problems

**Structure:**
- Generally unsound  
- Loose joints  
- Missing elements  
- Broken elements  
- Failed glue joints  
- Splits, unstable  
- Splits, stable  
- Warp, twist  
- Insect damage (inactive)  
- Active insect infestation

**Surface Elements:**
- Missing elements  
- Damaged elements  
- Loose separated elements  
- Loose veneer  
- Buckled veneer  
- Missing veneer  
- Scratches  
- Dents  
- Abrasions

**Finish:**
- Dust  
- Soiled  
- Paint spatters  
- Accretions  
- Loss  
- Light damage  
- Staining  
- Crazing  
- Staining  
- Bloom  
- Sticky  
- Opaque  
- Darkened  
- Linseed oil accretions  
- Water Damage

**Upholstery:**
- Dust  
- Soiled  
- Lost  
- Faded  
- Stained  
- Tears  
- Insect damage  
- Sub-structure deteriorated  
- Light damage  
- Inappropriate replacement  
- Broken, loose, missing elements  
- Abraded  
- Oxidized  
- Polish residue

**Paper Label:**
- Deteriorated  
- Losses  
- Separated from substrate

**Hardware:**
- Inappropriate replacement  
- Broken, loose, missing elements  
- Abraded  
- Oxidized  
- Polish residue

**Other:**
- Other:

---

### Condition Summary

- Stable, appearance appropriate to historic period  
- Some unstable elements  
- Stable, inappropriate appearance  
- Unstable, acceptable appearance  
- Damaged/missing elements, appropriate to historic period  
- Unstable, inappropriate appearance

**Treatment priority:**
- Immediate treatment by conservator, lack of treatment will result in further damage  
- Eventual treatment by conservator  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required

**Treatment can be performed on site:**
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

**Notes:**  
- Scattered recent abrasions  
- Minor losses of veneer on front edge

**Recommendations:**  
- Clean  
- Fill splits, patch veneer  
- Tone in recent abrasions, scratches, amalgamate finish on top surface  
- Apply protective coat of paste wax

---

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Harpers Ferry, WV 25425
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Corner Cupboard  
**Cat.No.:** CT 555  
**Location:** Dining Room  
**Material:** Wood  
**Previous repairs:**

---

#### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Generally unsound</td>
<td>- Missing elements</td>
<td>- Dust</td>
<td>- Dust</td>
</tr>
<tr>
<td>- Loose joints</td>
<td>- Damaged elements</td>
<td>- Soiled</td>
<td>- Soiled</td>
</tr>
<tr>
<td>- Missing elements</td>
<td>- Loose separated elements</td>
<td>- Paint spatters</td>
<td>- Loss</td>
</tr>
<tr>
<td>- Broken elements</td>
<td>- Loose veneer</td>
<td>- Accretions</td>
<td>- Faded</td>
</tr>
<tr>
<td>- Failed glue joints</td>
<td>- Buckled veneer</td>
<td>- Loss</td>
<td>- Staining</td>
</tr>
<tr>
<td>- Splits, unstable</td>
<td>- Missing veneer</td>
<td>- Light damage</td>
<td>- Tears</td>
</tr>
<tr>
<td>- Splits, stable</td>
<td>- Scratches</td>
<td>- Staining</td>
<td>- Insect damage</td>
</tr>
<tr>
<td>- Warp, twist</td>
<td>- Dents</td>
<td>- Crazing</td>
<td>- Sub-structure deteriorated</td>
</tr>
<tr>
<td>- Insect damage (inactive)</td>
<td>- Abrasions</td>
<td>- Bloom</td>
<td>- Light damage</td>
</tr>
<tr>
<td>- Active insect infestation</td>
<td>Other:</td>
<td>- Sticky</td>
<td>- Hardware</td>
</tr>
</tbody>
</table>

**Other:**

- Paper Label
  - Deteriorated  
  - Losses  
  - Separated from substrate

**Finish:**

- Dust  
- Soiled  
- Paint spatters  
- Accretions  
- Loss  
- Light damage  
- Staining  
- Crazing  
- Bloom  
- Sticky  
- Opaque  
- Darkened  
- Linseed oil accretions  
- Water Damage  
- Other:  

---

#### Condition Summary

- Stable, appearance appropriate to historic period  
- Some unstable elements  
- Stable, inappropriate appearance  
- Unstable, acceptable appearance  
- Damaged/missing elements, appropriate to historic period  
- Unstable, inappropriate appearance

**Treatment priority:**

- Immediate treatment by conservator, lack of treatment will result in further damage  
- Eventual treatment by conservator  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required

- Treatment can be performed on site  
- Treatment can be performed on site OR in lab

**Treatment Estimates:**

- Minor (1-8)  
- Moderate (9-16)  
- Major (17+)

**Est. hrs.: 5**

**Notes:**

- Accretion/drip top of proper right door  
- Moderately soiled  
- Escutcheon proper light door loose

**Recommendations:**

- Clean/remove drip  
- Secure escutcheon  
- Apply protective coat of paste wax

---

National Park Service  
P.O. Box 50  
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Harpers Ferry, WV 25425
National Park Service
Harpers Ferry Center
Media Assets - Wood & Furniture

Condition Survey

Park: Fort Vancouver National Historic Site, McLoughlin House
Conservator: Al Levitan
Date of Survey: August 2008

Object: Foot Stool

Cat.No.: CH 451 □ associated  X non-associated

Location: Guest Bedroom

Material: X Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

Previous repairs: Reupholstered, Glue blocks altered, top may be replacement

Condition Problems

Structure:
□ Generally unsound
□ Loose joints
□ Missing elements
□ Broken elements
□ Failed glue joints
□ Splits, unstable
□ Splits, stable
□ Warp, twist
□ Insect damage (inactive)
□ Active insect infestation

Surface Elements:
□ Missing elements
□ Damaged elements
□ Loose separated elements
□ Loose veneer
□ Buckled veneer
□ Missing veneer
□ Scratches
□ Dents
□ Abrasions
Other:

Finish:
□ Dust
□ Soiled
□ Paint spatters
□ Accretions
□ Loss
□ Light damage
□ Staining
□ Crazing
□ Bloom
□ Sticky
□ Opaque
□ Darkened
□ Linseed oil accretions
□ Water Damage
Other:

Upholstery:
□ Dust
□ Soiled
□ Loss
□ Faded
□ Staining
□ Tears
□ Insect damage
□ Sub-structure deteriorated
□ Light damage

Hardware
□ Inappropriate replacement
□ Broken, loose, missing elements
□ Abladed
□ Oxidized
□ Polish residue

Paper Label
□ Deteriorated
□ Losses
□ Separated from substrate

Condition Summary

□ Stable, appearance appropriate to historic period
□ Stable, inappropriate appearance
□ Damaged/missing elements, appropriate to historic period
□ Some unstable elements
□ Unstable, acceptable appearance
□ Unstable, inappropriate appearance

Treatment priority:
□ Immediate treatment by conservator, lack of treatment will result in further damage
□ Eventual treatment by conservator
□ Treatment should be performed by curatorial staff
□ Treatment can be performed by conservator or curatorial staff
□ No treatment required

□ Treatment can be performed on site  □ Treatment can be performed on site OR in lab  □ Treatment should be performed in lab

Notes:
- Gimp faded, tack missing causing gimp to sag
- Scattered recent abrasions

Treatment Estimates:
□ Minor (1-8)
□ Moderate (9-16)
□ Major (17+)

Est. hrs.: 4

Recommendations:
- Clean
- Tone in recent abrasions
- Tack gimp back in place
- Apply paste wax to finished wood surfaces

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### Condition Survey

**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Rocking Chair

**Cat.No.:** CH 442  
**Location:** Guest Bedroom

**Material:** Wood

**Previous repairs:**

---

**Condition Problems**

**Structure:**
- [ ] Generally unsound
- [ ] Loose joints
- [ ] Missing elements
- [ ] Broken elements
- [ ] Failed glue joints
- [ ] Splits, unstable
- [ ] Splits, stable
- [ ] Warp, twist
- [ ] Insect damage (inactive)
- [ ] Active insect infestation

**Surface Elements:**
- [ ] Missing elements
- [ ] Damaged elements
- [ ] Loose separated elements
- [ ] Loose veneer
- [ ] Buckled veneer
- [ ] Missing veneer
- [ ] Scratches
- [ ] Dents
- [ ] Abrasions

**Finish:**
- [x] Dust
- [ ] Soiled
- [ ] Paint spatters
- [ ] Accretions
- [ ] Loss
- [ ] Light damage
- [ ] Staining
- [ ] Crazing
- [ ] Bloom
- [ ] Sticky
- [ ] Opaque
- [ ] Darkened
- [ ] Linseed oil accretions
- [ ] Water Damage

**Upholstery:**
- [x] Dust
- [ ] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage
- [ ] Sub-structure deteriorated
- [ ] Light damage

**Hardware**
- [ ] Inappropriate replacement
- [ ] Broken, loose, missing elements
- [ ] Abraded
- [ ] Oxidized
- [ ] Polish residue

**Paper Label**
- [ ] Deteriorated
- [ ] Losses
- [ ] Separated from substrate

**Other:**

---

**Condition Summary**

- [x] Stable, appearance appropriate to historic period
- [ ] Some unstable elements
- [ ] Unstable, acceptable appearance
- [ ] Unstable, inappropriate appearance

**Treatment priority:**
- [x] Immediate treatment by conservator, lack of treatment will result in further damage
- [ ] Eventual treatment by conservator
- [ ] Treatment should be performed by curatorial staff
- [ ] Treatment can be performed by conservator or curatorial staff
- [ ] No treatment required

- [ ] Treatment can be performed on site  
- [x] Treatment can be performed on site OR in lab  
- [ ] Treatment should be performed in lab

**Treatment Estimates:**
- [x] Minor (1-8)
- [ ] Moderate (9-16)
- [ ] Major (17+)

**Est. hrs.:** 6

**Notes:**
- Rocker painted.
- Paint on rear surface is alligated, some flaking and lifting—probably result of exposure to light thru window.

**Recommendations:**
- Clean
- Stabilize flaking paint

---

**National Park Service**  
P.O. Box 50  
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**Harpers Ferry, WV 25425**
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Dresser w/mirror  
**Cat.No.:** 530  
**Location:** Guest Bedroom  
**Material:** ☑ Wood  ☐ Veneer  ☐ Metal  ☑ Glass  ☐ Lacquer  ☐ Upholstery  ☐ Gilt  ☐ Other

**Previous repairs:** Appears to have been refinished

### Condition Problems

#### Structure:
- □ Generally unsound
- □ Loose joints
- □ Missing elements
- □ Broken elements
- □ Failed glue joints
- □ Splits, unstable
- □ Splits, stable
- □ Warp, twist
- □ Insect damage (inactive)
- □ Active insect infestation

#### Surface Elements:
- □ Missing elements
- □ Damaged elements
- □ Loose separated elements
- □ Loose veneer
- □ Buckled veneer
- □ Missing veneer
- □ Scratches
- □ Dents
- □ Abrasions

#### Finish:
- □ Dust
- ☑ Soiled
- □ Paint spatters
- □ Accretions
- □ Loss
- □ Light damage
- □ Staining
- □ Crazing
- □ Bloom
- □ Sticky
- □ Opaque
- □ Darkened
- □ Linseed oil accretions
- □ Water Damage

#### Upholstery:
- □ Dust
- □ Soiled
- □ Loss
- □ Faded
- □ Staining
- □ Tears
- □ Insect damage
- □ Sub-structure deteriorated
- □ Light damage

#### Hardware
- □ Inappropriate replacement
- □ Broken, loose, missing elements
- □ Abraded
- □ Oxidized
- □ Polish residue

#### Paper Label
- □ Deteriorated
- □ Losses
- □ Separated from substrate

### Condition Summary

- ☑ Stable, appearance appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

### Treatment priority:
- ☑ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Notes:**
- Minor veneer loss.
- Extensive light damage on proper right side.

**Recommendations:**
- Clean
- Fill veneer losses
- Reduce appearance of light damage with application of dark pigmented paste wax to proper right side

---

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**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**  

**Condition Survey**

**Park:**  
Fort Vancouver National Historic Site, McLoughlin House

**Object:**  
Rocking Chair

**Cat.No.:**  
CH 443 R  
- Associated  
- Non-associated

**Location:**  
Guest Bedroom

**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt  
- Other

**Previous repairs:**  
Chairs appears to have been converted to a rocker; feet cut down; rockers screwed to sides

---

**Condition Problems**

**Structure:**  
- Generally unsound  
- Loose joints  
- Missing elements  
- Broken elements  
- Failed glue joints  
- Splits, unstable  
- Splits, stable  
- Warp, twist  
- Insect damage (inactive)  
- Active insect infestation

**Surface Elements:**  
- Missing elements  
- Damaged elements  
- Loose separated elements  
- Loose veneer  
- Buckled veneer  
- Missing veneer  
- Scratches  
- Dents  
- Abrasions

**Finish:**  
- Dust  
- Soiled  
- Paint spatters  
- Accretions  
- Loss  
- Light damage  
- Staining  
- Crazing  
- Bloom  
- Sticky  
- Opaque  
- Darkened  
- Linseed oil accretions  
- Water Damage

**Upholstery:**  
- Dust  
- Soiled  
- Loss  
- Faded  
- Staining  
- Tears  
- Insect damage  
- Sub-structure deteriorated  
- Light damage

**Hardware:**  
- Inappropriate replacement  
- Broken, loose, missing elements  
- Abraded  
- Oxidized  
- Polish residue

**Other:**

---

**Condition Summary**

- Stable, appearance appropriate to historic period  
- Stable, inappropriate appearance  
- Damaged/missing elements, appropriate to historic period  
- Unstable, acceptable appearance  
- Unstable, inappropriate appearance

**Treatment priority:**

- Immediate treatment by conservator, lack of treatment will result in further damage  
- Eventual treatment by conservator  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required

**Notes:**

- Join between front leg and stretcher loose  
- Some recent abrasions on rear of crest rail

---

**Treatment Estimates:**

- Minor (1-8)  
- Moderate (9-16)  
- Major (17+)

**Est. hrs.:**  
6

**Recommendations:**

- Clean  
- Re-adhere loose joins  
- Tone in recent abrasions
Park: Fort Vancouver National Historic Site, McLoughlin House  
Object: Armoire  
Conservator: Al Levitan  
Date of Survey: August 2008  

<table>
<thead>
<tr>
<th>Cat.No.:</th>
<th>□ associated</th>
<th>✗ non-associated</th>
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<table>
<thead>
<tr>
<th>Location:</th>
<th>Guest Bedroom</th>
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<table>
<thead>
<tr>
<th>Material:</th>
<th>✗ Wood</th>
<th>✗ Veneer</th>
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<th>☐ Glass</th>
<th>☑ Lacquer</th>
<th>☑ Upholstery</th>
<th>☑ Gilt</th>
<th>☑ Other</th>
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</table>

<table>
<thead>
<tr>
<th>Previous repairs:</th>
<th>Appears to have been refinished</th>
</tr>
</thead>
</table>

### Condition Problems

**Structure:**
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

**Surface Elements:**
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

**Finish:**
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

**Hardware:**
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

**Other:**
- Paper Label
  - Deteriorated
  - Losses
  - Separated from substrate

**Condition Summary**
- ✗ Stable, appearance appropriate to historic period
- ☑ Some unstable elements
- ☑ Stable, inappropriate appearance
- ☑ Unstable, acceptable appearance
- ☑ Unstable, inappropriate appearance

**Treatment priority:**
- ✗ Immediate treatment by conservator, lack of treatment will result in further damage
- ☑ Eventual treatment by conservator
- ☑ Treatment should be performed by curatorial staff
- ☑ Treatment can be performed by conservator or curatorial staff
- ☑ No treatment required
- ☑ Treatment can be performed on site
- ☑ Treatment can be performed on site OR in lab
- ☑ Treatment should be performed in lab

**Treatment Estimates:**
- ✗ Minor (1-8)
- ☑ Moderate (9-16)
- ☑ Major (17+)

**Est. hrs.:** 8

**Notes:**
- Moderately soiled
- Minor veneer losses
- Scattered recent abrasions, and scratches

**Recommendations:**
- Clean
- Fill veneer losses
- Tone in recent abrasions, scratches
- Apply protective coat of paste wax
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Tilt top table  
**Cat.No.:** 508

**Location:** Guest Bedroom

**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt  
- Other

**Previous repairs:** Altered so that top no longer tilts. Failed glue joins supported by gussets from beneath.

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
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<tr>
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<td>Dust</td>
<td>Dust</td>
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<tr>
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<tr>
<td>Missing elements</td>
<td>Loose separated elements</td>
<td>Paint spatters</td>
<td>Loss</td>
</tr>
<tr>
<td>Broken elements</td>
<td>Loose veneer</td>
<td>Accretions</td>
<td>Faded</td>
</tr>
<tr>
<td>Failed glue joints</td>
<td>Buckled veneer</td>
<td>Loss</td>
<td>Staining</td>
</tr>
<tr>
<td>Splits, unstable</td>
<td>Missing veneer</td>
<td>Light damage</td>
<td>Tears</td>
</tr>
<tr>
<td>Splits, stable</td>
<td>Scratches</td>
<td>Staining</td>
<td>Insect damage</td>
</tr>
<tr>
<td>Warp, twist</td>
<td>Dents</td>
<td>Crazing</td>
<td>Sub-structure deteriorated</td>
</tr>
<tr>
<td>Insect damage (inactive)</td>
<td>Abrasions</td>
<td>Bloom</td>
<td>Light damage</td>
</tr>
<tr>
<td>Active insect infestation</td>
<td>Other:</td>
<td>Sticky</td>
<td>Hardware</td>
</tr>
</tbody>
</table>

**Paper Label**  
- Deteriorated  
- Losses  
- Separated from substrate

**Other:**

### Condition Summary

- Stable, appearance appropriate to historic period  
- Stable, inappropriate appearance  
- Damaged/missing elements, appropriate to historic period  
- Some unstable elements  
- Unstable, acceptable appearance  
- Unstable, inappropriate appearance

### Treatment priority:

- Immediate treatment by conservator, lack of treatment will result in further damage  
- Eventual treatment by conservator  
- Treatment should be performed by curatorial staff  
- Treatment can be performed by conservator or curatorial staff  
- No treatment required  
- Treatment can be performed on site  
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

**Treatment Estimates:**  
- Minor (1-8)  
- Moderate (9-16)  
- Major (17+)  

**Est. hrs.:** 16

**Notes:**  
- Faded surfaces from exposure to light  
- Veneer on top apron buckled, loose, scattered losses  
- Glue joins on top partially separated

**Recommendations:**  
- Clean  
- Adhere loose and buckled veneer, patch as necessary  
- Re-adhere separated glue joins as possible  
- Reduce appearance of fading. Apply protective coat of paste wax

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---
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Bedside stand w/ Marble Top  
**Cat.No.:** □ associated  □ non-associated

**Location:** Guest Bedroom  
**Material:** □ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other  Marble

**Previous repairs:**

---

### Condition Problems

#### Structure:
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

#### Surface Elements:
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

#### Finish:
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

#### Upholstery:
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

#### Hardware:
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

#### Paper Label:
- Deteriorated
- Losses
- Separated from substrate

#### Other:
- 

---

### Condition Summary

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

#### Treatment priority:
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

**Notes:**
- Scattered abrasions at base.
- Finish on proper right side faded, damage from light.
- Small sections of molding lost.

**Treatment Estimates:**
- Minor (1-8)
- Moderate (9-16)
- Major (17+)

**Est. hrs.:** 16

---

**Recommendations:**
- Clean
- Repair finish on proper right side, refinish as necessary.
- Replace missing molding.
- Apply paste wax to finish wood surfaces.
Condition Survey

National Park Service
Harpers Ferry Center
Media Assets - Wood & Furniture

Park: Fort Vancouver National Historic Site, McLoughlin House
Conservator: Al Levitan
Date of Survey: August 2008

Object: Bedstead
Cat.No.: 492 □ associated  □ non-associated

Location: Guest Bedroom
Material: Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other Fabric Tester

Previous repairs: Shellac fills, appears to have been refinished

Condition Problems

Structure:
□ Generally unsound
□ Loose joints
□ Missing elements
□ Broken elements
□ Failed glue joints
□ Splits, unstable
□ Splits, stable
□ Warp, twist
□ Insect damage (inactive)
□ Active insect infestation

Surface Elements:
□ Missing elements
□ Damaged elements
□ Loose separated elements
□ Loose veneer
□ Buckled veneer
□ Missing veneer
□ Scratches
□ Dents
□ Abrasions
□ Split, unstable
□ Split, stable

Finish:
□ Dust
□ Soiled
□ Paint spatters
□ Accretions
□ Loss
□ Light damage
□ Staining
□ Crazing
□ Bloom
□ Sticky
□ Opaque
□ Darkened
□ Linseed oil accretions
□ Water Damage

Upholstery:
□ Dust
□ Soiled
□ Loss
□ Faded
□ Staining
□ Tears
□ Insect damage
□ Sub-structure deteriorated

Hardware
□ Inappropriate replacement
□ Broken, loose, missing elements
□ Abraded
□ Oxidized
□ Polish residue

Paper Label
□ Deteriorated
□ Losses
□ Separated from substrate

Condition Summary

□ Stable, appearance appropriate to historic period
□ Stable, inappropriate appearance
□ Damaged/missing elements, appropriate to historic period
□ Unstable, acceptable appearance
□ Unstable, inappropriate appearance

Treatment priority:
□ Immediate treatment by conservator, lack of treatment will result in further damage
□ Eventual treatment by conservator
□ Treatment should be performed by curatorial staff
□ Treatment can be performed by conservator or curatorial staff
□ No treatment required

Treatment Estimates:
□ Minor (1-8)
□ Moderate (9-16)
□ Major (17+)

Est. hrs.: 12

Notes:
- Scattered scratches/abrasions
- Minor veneer losses on foot board (covered by coverlet)
- Connection between bed rail and footboard on proper left side is some what loose

Recommendations:
- Clean
- Patch veneer
- Tone in scratches, and abrasions
- Secure connection between side rail/foot board. Apply paste wax
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Washstand  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008  
**Cat.No.:** 512  
**Location:** Guest Bedroom  
**Material:** Wood □, Veneer □, Metal □, Glass □, Lacquer □, Upholstery □, Gilt □, Other □  
**Previous repairs:** Gallery on proper left side nailed to top with modern wire nail, end of nail bent out

#### Condition Problems

**Structure:**
- □ Generally unsound  
- □ Loose joints  
- □ Missing elements  
- □ Broken elements  
- □ Failed glue joints  
- □ Splits, unstable  
- □ Splits, stable  
- □ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation  
- Other:

**Surface Elements:**
- □ Missing elements  
- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions  
- Other:

**Finish:**
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage  
- Other:

**Upholstery:**
- □ Dust  
- □ Soiled  
- □ Loss  
- □ Faded  
- □ Staining  
- □ Tears  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage  
- □ Inappropriate replacement  
- □ Broken, loose, missing elements  
- □ Abraded  
- □ Oxidized  
- □ Polish residue  
- Hardware:  
- □ Treatment should be performed by conservator or curatorial staff

#### Condition Summary

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance  

**Treatment priority:**
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required  
- □ Treatment can be performed on site  
- □ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Notes:**
- Scattered recent abrasions  
- Some finished damage  
- Inappropriate previous repair

**Recommendations:**
- Clean  
- Tone in recent losses  
- Remove modern nail, fill hole, adhere gallery to top  
- Apply paste wax to finished wood surfaces

---

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Harpers Ferry, WV 25425
## Condition Survey

**Object:** Table, Scalloped Edge  
**Date of Survey:** August 2008

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
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<tbody>
<tr>
<td>Structure</td>
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<tr>
<td>Surface Elements</td>
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<tr>
<td>Finish</td>
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<tr>
<td>Upholstery</td>
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### Condition Problems

<table>
<thead>
<tr>
<th>Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generally unsound</td>
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<tr>
<td>Loose joints</td>
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<tr>
<td>Missing elements</td>
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<tr>
<td>Broken elements</td>
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<tr>
<td>Failed glue joints</td>
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<tr>
<td>Splits, unstable</td>
</tr>
<tr>
<td>Splits, stable</td>
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<tr>
<td>Warp, twist</td>
</tr>
<tr>
<td>Insect damage (inactive)</td>
</tr>
<tr>
<td>Active insect infestation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surface Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missing elements</td>
</tr>
<tr>
<td>Damaged elements</td>
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<tr>
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<td>Missing veneer</td>
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<tr>
<td>Scratches</td>
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<tr>
<td>Dents</td>
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<td>Abrasions</td>
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<tbody>
<tr>
<td>Dust</td>
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<td>Light damage</td>
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<tr>
<td>Staining</td>
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<tr>
<td>Crazing</td>
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<tr>
<td>Bloom</td>
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<tr>
<td>Sticky</td>
</tr>
<tr>
<td>Opaque</td>
</tr>
<tr>
<td>Darkened</td>
</tr>
<tr>
<td>Linseed oil accretions</td>
</tr>
<tr>
<td>Water Damage</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Upholstery</th>
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</thead>
<tbody>
<tr>
<td>Dust</td>
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<tr>
<td>Staining</td>
</tr>
<tr>
<td>Tears</td>
</tr>
<tr>
<td>Insect damage</td>
</tr>
<tr>
<td>Sub-structure deteriorated</td>
</tr>
<tr>
<td>Light damage</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inappropriate replacement</td>
</tr>
<tr>
<td>Broken, loose, missing elements</td>
</tr>
<tr>
<td>Abraded</td>
</tr>
<tr>
<td>Oxidized</td>
</tr>
<tr>
<td>Polish residue</td>
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### Condition Summary

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
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<td>Stable, appearance appropriate to historic period</td>
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<tr>
<td>Stable, inappropriate appearance</td>
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</tr>
<tr>
<td>Damaged/missing elements, appropriate to historic period</td>
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<tr>
<td>Some unstable elements</td>
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<tr>
<td>Unstable, acceptable appearance</td>
<td></td>
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<tr>
<td>Unstable, inappropriate appearance</td>
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</tbody>
</table>

### Treatment Priority

- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

<table>
<thead>
<tr>
<th>Treatment Estimation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor (1-8)</td>
</tr>
<tr>
<td>Moderate (9-16)</td>
</tr>
<tr>
<td>Major (17+)</td>
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</table>

<table>
<thead>
<tr>
<th>Est. hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
</tr>
</tbody>
</table>

### Notes

- Finish soiled, dull in appearance
- Scattered abrasions
- Large chip missing from top skirt

### Recommendations

- Clean
- Patch loss on skirt
- Amalgamate finish
- Apply protective coat of paste wax
Park: Fort Vancouver National Historic Site, McLoughlin House  
 Conservator: Al Levitan  
 Date of Survey: August 2008

Object: Chest of Drawers

Cat. No.: 545  
 □ associated  □ non-associated

Location: Guest Bedroom

Material:  
□ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

Previous repairs: __________________________

---

**Condition Problems**

**Structure:**  
□ Generally unsound  
□ Loose joints  
□ Missing elements  
□ Broken elements  
□ Failed glue joints  
□ Splits, unstable  
□ Splits, stable  
□ Warp, twist  
□ Insect damage (inactive)  
□ Active insect infestation

Other: __________________________

**Surface Elements:**  
□ Missing elements  
□ Damaged elements  
□ Loose separated elements  
□ Loose veneer  
□ Buckled veneer  
□ Missing veneer  
□ Scratches  
□ Dents  
□ Abrasions

Other: __________________________

**Finish:**  
□ Dust  
□ Soiled  
□ Paint spatters  
□ Accretions  
□ Loss  
□ Light damage  
□ Staining  
□ Crazing  
□ Bloom  
□ Sticky  
□ Opaque  
□ Darkened  
□ Linseed oil accretions  
□ Water Damage

Other: __________________________

**Upholstery:**  
□ Dust  
□ Soiled  
□ Loss  
□ Faded  
□ Staining  
□ Tears  
□ Insect damage  
□ Sub-structure deteriorated  
□ Light damage

**Hardware**  
□ Inappropriate replacement  
□ Broken, loose, missing elements  
□ Abraded  
□ Oxidized  
□ Polish residue

**Paper Label**  
□ Deteriorated  
□ Losses  
□ Separated from substrate

**Condition Summary**  
□ Stable, appearance appropriate to historic period  
□ Some unstable elements  
□ Stable, inappropriate appearance  
□ Unstable, acceptable appearance  
□ Damaged/missing elements, appropriate to historic period  
□ Unstable, inappropriate appearance

Treatment priority:  
□ Immediate treatment by conservator, lack of treatment will result in further damage  
□ Eventual treatment by conservator  
□ Treatment should be performed by curatorial staff  
□ Treatment can be performed by conservator or curatorial staff  
□ No treatment required

□ Treatment can be performed on site  
□ Treatment can be performed on site OR in lab  
□ Treatment should be performed in lab

Notes:  
- Secondary wood on both sides has split, telegraphing thru veneer  
- Finish soiled, opaque dull appearace  
- Drawer guide, 2nd drawer from top needs adjustment

Treatment Estimates:  
□ Minor (1-8)  
□ Moderate (9-16)  
□ Major (17+)

Est. hrs.: 20

---

**Recommendations:**  
- Clean  
- Amalgamate finish  
- Adjust drawer guides  
- Apply protective coat of paste wax

---

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Harpers Ferry Center  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Cradle  
**Cat. No.:** 495

**Location:** Children’s Bedroom

<table>
<thead>
<tr>
<th>Material</th>
<th>□ Wood</th>
<th>□ Veneer</th>
<th>□ Metal</th>
<th>□ Glass</th>
<th>□ Lacquer</th>
<th>□ Upholstery</th>
<th>□ Gilt</th>
<th>□ Other</th>
</tr>
</thead>
</table>

**Previous repairs:** Overpainted

### Condition Problems

**Structure:**
- [ ] Generally unsound
- [ ] Loose joints
- [ ] Missing elements
- [ ] Broken elements
- [ ] Failed glue joints
- [ ] Splits, unstable
- [ ] Splits, stable
- [ ] Warp, twist
- [ ] Insect damage (inactive)

**Surface Elements:**
- [ ] Missing elements
- [ ] Damaged elements
- [ ] Loose separated elements
- [ ] Loose veneer
- [ ] Buckled veneer
- [ ] Missing veneer
- [ ] Scratches
- [ ] Dents
- [ ] Abrasions

**Finish:**
- [ ] Dust
- [ ] Soiled
- [ ] Paint spatters
- [ ] Accretions
- [ ] Loss
- [ ] Light damage
- [ ] Staining
- [ ] Crazing
- [ ] Bloom
- [ ] Sticky
- [ ] Opaque
- [ ] Darkened
- [ ] Linseed oil accretions
- [ ] Water Damage

**Upholstery:**
- [ ] Dust
- [ ] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage
- [ ] Sub-structure deteriorated
- [ ] Light damage

**Hardware**
- [ ] Inappropriate replacement
- [ ] Broken, loose, missing elements
- [ ] Abraded
- [ ] Oxidized
- [ ] Polish residue

**Paper Label**
- [ ] Deteriorated
- [ ] Losses
- [ ] Separated from substrate

**Other:**

### Condition Summary

- [X] Stable, appearance appropriate to historic period
- [ ] Some unstable elements
- [ ] Stable, inappropriate appearance
- [ ] Unstable, acceptable appearance
- [ ] Unstable, inappropriate appearance

**Treatment priority:**
- [X] Immediate treatment by conservator, lack of treatment will result in further damage
- [ ] Eventual treatment by conservator
- [X] Treatment should be performed by curatorial staff
- [ ] Treatment can be performed by conservator or curatorial staff
- [ ] No treatment required

- [X] Treatment can be performed on site
- [ ] Treatment can be performed on site OR in lab
- [ ] Treatment should be performed in lab

**Notes:**
- Folk furniture, nailed construction
- Thick paint layer

**Treatment Estimates:**
- [ ] Minor (1-8)
- [ ] Moderate (9-16)
- [X] Major (17+)

**Est. hrs.:** 1

**Recommendations:**
- Dust
- Clean
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Child's Chair

**Cat.No.:** CH 424  
**Location:** Children's Bedroom  
**Material:** Wood

**Previous repairs:**

**Condition Problems**

<table>
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<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
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<tr>
<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
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<td>□ Loose joints</td>
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<td>□ Buckled veneer</td>
<td>□ Loss</td>
<td>□ Staining</td>
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<tr>
<td>□ Splits, unstable</td>
<td>□ Missing veneer</td>
<td>□ Light damage</td>
<td>□ Staining</td>
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<tr>
<td>□ Splits, stable</td>
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<td>□ Craze</td>
<td>□ Crazing</td>
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<tr>
<td>□ Warp, twist</td>
<td>□ Dents</td>
<td>□ Bloom</td>
<td>□ Bloom</td>
</tr>
<tr>
<td>□ Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td>□ Sticky</td>
<td>□ Sticky</td>
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<tr>
<td>□ Active insect infestation</td>
<td></td>
<td>□ Opaque</td>
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**Condition Summary**

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**

- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required  
- □ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Notes:**

- Joins between stretchers and legs, slats and rear posts are loose.

**Recommendations:**

- Adhere loose joins

**Treatment Estimates:**

- □ Minor (1-8)  
- □ Moderate (9-16)  
- □ Major (17+)

**Est. hrs.:** 3
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Bed, Spool turned

**Cat.No.:** 483  
□ associated  □ non-associated

**Location:** Children's Bedroom

**Material:**  
□ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

**Previous repairs:** Refinished

---

### Condition Problems

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□ Active insect infestation | □ Missing elements  
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□ Buckled veneer  
□ Missing veneer  
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□ Dents  
□ Abrasions | □ Dust  
□ Soiled  
□ Paint spatters  
□ Accretions  
□ Loss  
□ Light damage  
□ Staining  
□ Crazing  
□ Bloom  
□ Sticky  
□ Opaque  
□ Darkened  
□ Linseed oil accretions  
□ Water Damage | □ Dust  
□ Soiled  
□ Loss  
□ Faded  
□ Staining  
□ Tears  
□ Insect damage  
□ Sub-structure deteriorated  
□ Light damage |
| Other: | Other: | Other: | Other: |

**Paper Label:**  
□ Deteriorated  
□ Losses  
□ Separated from substrate

---

### Condition Summary

| □ Stable, appearance appropriate to historic period  
□ Stable, inappropriate appearance  
□ Damaged/missing elements, appropriate to historic period  
□ Some unstable elements  
□ Unstable, acceptable appearance  
□ Unstable, inappropriate appearance |

**Treatment priority:**  
□ Immediate treatment by conservator, lack of treatment will result in further damage  
□ Eventual treatment by conservator  
□ Treatment should be performed by curatorial staff  
□ Treatment can be performed by conservator or curatorial staff  
□ No treatment required

**Treatment can be performed on site  
□ Treatment can be performed on site OR in lab  
□ Treatment should be performed in lab**

**Notes:**  
- Ferrous hardware that serves to attach bed rails to headboard is partially broken resulting in somewhat insecure connection, will remain stable so long as pressure is not applied

---

**Recommendations:**  
- Clean  
- Apply protective coat of paste wax
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Ai Levitan  
**Date of Survey:** August 2008

**Object:** Bed Warmer

**Cat.No.:** 562  
☐ associated  ☒ non-associated

**Location:** Children's Bedroom

**Material:** ☒ Wood  ☐ Veneer  ☒ Metal  ☐ Glass  ☐ Lacquer  ☐ Upholstery  ☐ Gilt  ☐ Other

**Previous repairs:**

---

### Condition Problems

**Structure:**
- □ Generally unsound  
- □ Loose joints  
- □ Missing elements  
- □ Broken elements  
- □ Failed glue joints  
- □ Splits, unstable  
- □ Splits, stable  
- □ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation  

**Surface Elements:**
- □ Missing elements  
- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions  

**Finish:**
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage  

**Upholstery:**
- □ Dust  
- □ Soiled  
- □ Loss  
- □ Faded  
- □ Staining  
- □ Tears  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage  

**Paper Label**
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate  

---

### Condition Summary

- ☒ Stable, appearance appropriate to historic period  
- □ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
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- ✗ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required  
- □ Treatment can be performed on site  
- □ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Treatment Estimates:**
- □ Minor (1-8)  
- □ Moderate (9-16)  
- □ Major (17+)  

**Est. hrs.:** 3

**Notes:**
- Ferrous sheet metal oxidized in some areas.

---

**Recommendations:**
- Clean  
- Apply micro-crystalline wax to ferrous surfaces.

---

National Park Service  
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**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**  

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Ladderback Chair  
**Cat.No.:** CH 433A

- wood  
- non-associated

**Location:** Children's Bedroom

**Previous repairs:** Woven rush seat appears to be replacement

---

### Condition Problems

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<td>Splits, unstable</td>
<td>Missing veneer</td>
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<td>Insect damage</td>
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<td>Splits, stable</td>
<td>Scratches</td>
<td>Staining</td>
<td>Tear</td>
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<tr>
<td>Warp, twist</td>
<td>Dents</td>
<td>Bloom</td>
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<td>Insect damage (inactive)</td>
<td>Abrasions</td>
<td>Opaque</td>
<td>Inappropriate replacement</td>
</tr>
<tr>
<td>Active insect infestation</td>
<td>Other:</td>
<td>Darkened</td>
<td>Broken, loose, missing elements</td>
</tr>
</tbody>
</table>

**Paper Label**

- Deteriorated
- Losses
- Separated from substrate

---

### Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Stable, inappropriate appearance
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

- Damaged/missing elements, appropriate to historic period
- Unstable, inappropriate appearance

### Treatment priority:

- Immediate treatment by conservator, lack of treatment will result in further damage
  - Treatment should be performed by curatorial staff
  - Treatment can be performed by conservator or curatorial staff
  - No treatment required

- Treatment can be performed on site
- Treatment should be performed in lab

**Treatment Estimates:**

- Est. hrs.: 3

**Notes:**

- Scattered wear and abrasions, all appear to date to historic usage
- Join between front stretcher and proper light front leg is loose

### Recommendations:

- Clean
- Stabilize loose joins

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
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<td>□ Paint spatters</td>
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| Est. hrs.: 10 |

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<thead>
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<th>Notes:</th>
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<tbody>
<tr>
<td>- Staining, accretions on top surface</td>
</tr>
<tr>
<td>- Veneer losses on proper left side, finish damage on proper left side—may be due to proximity of heating vent</td>
</tr>
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<table>
<thead>
<tr>
<th>Recommendations:</th>
</tr>
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<tbody>
<tr>
<td>- Clean, reduce staining</td>
</tr>
<tr>
<td>- Replace missing veneer, adhere loose veneer</td>
</tr>
<tr>
<td>- Apply protective coat of paste wax</td>
</tr>
</tbody>
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National Park Service
Harpers Ferry Center
P.O. Box 50
Harpers Ferry, WV 25425
<table>
<thead>
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<th>Conservator: Al Levitan</th>
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<tbody>
<tr>
<td>Object: Chest of Drawers</td>
<td>Date of Survey: August 2008</td>
</tr>
</tbody>
</table>

| Cat.No.: 532 | □ associated | □ non-associated |
| Location: Children's Bedroom |
| Material: □ Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other |

**Previous repairs:**

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| Est. hrs.: 52 |

**Notes:**
- Drawer guides and tops worn and missing.
- Extensive veneer loss on drawer blades.
- Beading on drawer fronts missing in a number of locations.
- Extensive wear and finish loss on base.

**Recommendations:**
- Clean.
- Replace lost veneer, beading and moldings.
- Apply finish as necessary.
- Repair drawer guides.
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Washstand  
**Cat.No.:** 513  
**Location:** Children's Bedroom

**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt

**Previous repairs:** Completely refinished/restored

---

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Missing elements</td>
<td>Dust</td>
<td>Dust</td>
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<tr>
<td>Loose joints</td>
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<td>Soiled</td>
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</tr>
<tr>
<td>Missing elements</td>
<td>Loose separated elements</td>
<td>Paint spatters</td>
<td>Loss</td>
</tr>
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<td>Broken elements</td>
<td>Loose veneer</td>
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<tr>
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<td>Buckled veneer</td>
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<td>Staining</td>
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<td>Splits, unstable</td>
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<td>Scratches</td>
<td>Crazing</td>
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<tr>
<td>Warp, twist</td>
<td>Dents</td>
<td>Bloom</td>
<td>Sub-structure deteriorated</td>
</tr>
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<td>Insect damage (inactive)</td>
<td>Abrasions</td>
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</tr>
<tr>
<td>Active insect infestation</td>
<td>Other:</td>
<td>Opaque</td>
<td>Hardware</td>
</tr>
</tbody>
</table>

**Surface Elements:**  
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

**Other:**

**Paper Label**  
- Deteriorated
- Losses
- Separated from substrate

**Other:**

**Finish:**  
- Dust
- Soiled
- Paint spatters
- Accretions
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Other:**

**Upholstery:**  
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

**Hardware**  
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

---

### Condition Summary

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

**Treatment priority:**  
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

**Treatment:**

- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

**Notes:**  
- Small nicks along bottom edge

**Recommendations:**  
- Tone in nicks and abrasions
- Clean
- Apply paste wax to finished wood surfaces

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Side chair, horsehair upholstery.  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008  
**Cat.No.:** CH 418 □ associated  ✗ non-associated

**Location:** Children’s Bedroom  
**Material:**  
- Wood ✗  
- Veneer ✗  
- Metal □  
- Glass □  
- Lacquer □  
- Upholstery ✗  
- Gilt □  
- Other □

**Previous repairs:** Rear seat rail joints re-adhered. New glue blocks installed. Refinished.

---

### Condition Problems

#### Structure:
- Generally unsound □
- Loose joints □
- Missing elements □
- Broken elements □
- Failed glue joints □
- Splits, unstable □
- Splits, stable □
- Warp, twist □
- Insect damage (inactive) □
- Active insect infestation □
- Other:

#### Surface Elements:
- Missing elements □
- Damaged elements □
- Loose separated elements □
- Loose veneer □
- Buckled veneer □
- Missing veneer □
- Scratches □
- Dents □
- Abrasions □
- Other:

#### Finish:
- Dust □
- Soiled □
- Paint spatters □
- Accretions □
- Loss □
- Light damage □
- Staining □
- Crazing □
- Bloom □
- Sticky □
- Opaque □
- Darkened □
- Linseed oil accretions □
- Water Damage □
- Other:

#### Upholstery:
- Dust □
- Soiled □
- Loss □
- Faded □
- Staining □
- Tears □
- Insect damage □
- Sub-structure deteriorated □
- Light damage □
- Inappropriate replacement □
- Broken, loose, missing elements □
- Abraded □
- Oxidized □
- Polish residue □

#### Hardware:
- Inappropriate replacement □
- Treatment can be performed by conservator or curatorial staff □
- Treatment should be performed in lab □
- No treatment required □

#### Paper Label:
- Deteriorated □
- Losses □
- Separated from substrate □

#### Other:

---

### Condition Summary

- Stable, appearance appropriate to historic period □
- Stable, inappropriate appearance □
- Damaged/missing elements, appropriate to historic period □
- Some unstable elements ❌
- Unstable, acceptable appearance □
- Unstable, inappropriate appearance □

**Treatment priority:**  
- Immediate treatment by conservator, lack of treatment will result in further damage ✗
- Eventual treatment by conservator □
- Treatment should be performed by curatorial staff □
- Treatment can be performed by conservator or curatorial staff □
- No treatment required □

- Treatment can be performed on site □
- Treatment can be performed on site OR in lab □
- Treatment should be performed in lab ✗

**Notes:**
- Refinished  
- Rear surface faded from light exposure  
- Tear in horsehair seating fabric

**Recommendations:**  
- Clean  
- Tone in abrasions  
- Repair finish damage  
- Apply paste wax

---

National Park Service  
Harpers Ferry Center  
P.O. Box 50  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Whatnot Stand  
**Cat.No.:** 578 □ associated  ✓ non-associated

**Location:** Ladies Sitting Room  
**Material:** □ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

**Previous repairs:** __________________________________________________________________________

---

**Condition Problems**

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<td></td>
<td>□ Water Damage</td>
<td></td>
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</tbody>
</table>

**Paper Label**

| □ Deteriorated | □ Insect damage (inactive) |
| □ Losses | □ Sub-structure deteriorated |
| □ Separated from substrate | □ Light damage |

**Finish:**

- Dust
- Soiled
- Paint spatters
- Accretions
- Light damage
- Staining
- Crazeing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**

- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage
- Inappropriate replacement
- Broken, loose, missing elements
- Abrided
- Oxidized
- Polish residue

**Hardware:**

- Inappropriate replacement
- Broken, loose, missing elements
- Abrided
- Oxidized
- Polish residue

---

**Condition Summary**

- Stable, appearance appropriate to historic period  
- Stable, inappropriate appearance  
- Damaged/missing elements, appropriate to historic period  
- Unstable, acceptable appearance  
- Unstable, inappropriate appearance

**Treatment priority:**

- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site  
- Treatment can be performed on site OR in lab  
- Treatment should be performed in lab

**Treatment Estimates:**

- Minor (1-8)
- Moderate (9-16)
- Major (17+)

**Est. hrs.:** 10

---

**Notes:**

- Soiled, particularly along front edges.
- Some turned supports loose.
- Scattered abrasions.

---

**Recommendations:**

- Clean
- Reduce staining
- Tone in abrasions
- Apply protective coat of paste wax

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Sofa

**Cat.No.:** 480  
□ associated  ❌ non-associated

**Location:** Ladies Sitting Room

**Material:**  
❌ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  ❌ Upholstery  □ Gilt  □ Other

**Previous repairs:**

**Condition Problems**

<table>
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**Other:**

**Paper Label**

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<th>□ Losses</th>
<th>□ Water Damage</th>
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<tbody>
<tr>
<td>□ Separated from substrate</td>
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</tbody>
</table>

**Condition Summary**

| □ Stable, appearance appropriate to historic period | □ Some unstable elements |
| □ Stable, inappropriate appearance | □ Unstable, acceptable appearance |
| □ Damaged/missing elements, appropriate to historic period | □ Unstable, inappropriate appearance |

**Treatment priority:**

| ❌ Immediate treatment by conservator, lack of treatment will result in further damage |
| □ Eventual treatment by conservator |
| □ Treatment should be performed by curatorial staff |
| □ Treatment can be performed by conservator or curatorial staff |
| □ No treatment required |

**Treatment Estimates:**

| □ Minor (1-8) |
| □ Moderate (9-16) |
| □ Major (17+) |

**Est. hrs.:** 32

**Notes:**

- Upholstery faded and discolored, gimp lost, frayed in some areas.
- Crest rail heavily soiled.
- Finish worn in some areas.
- Scattered abrasions, particularly numerous on seat rail.

**Recommendations:**

- Clean wood and upholstered surfaces.
- Replace gimp as needed.
- Apply finish as necessary/tone in losses.
- Apply paste wax to finished wood surfaces.

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House

**Object:** Rocking Chair

**Cat.No.:** CH 445  
- associated
- non-associated

**Location:** Ladies Sitting Room

**Material:**  
- Wood
- Veneer
- Metal
- Glass
- Lacquer
- Upholstery
- Gilt
- Other

**Previous repairs:** Appears to have been refinished

---

### Condition Problems

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**Paper Label:*
- Deteriorated
- Losses
- Separated from substrate

**Finish:**
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

**Hardware:**
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

**Structure:**
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation
- Other: __________

**Surface Elements:**
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions
- Other: __________

**Finish:**
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage
- Other: __________

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

**Hardware:**
- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

**Condition Summary:**
- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period

**Treatment priority:**
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

**Treatment:**
- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

**Notes:**
- Soiled
- Some loss of finish
- Upholstery is faded
- Seat has coil springs, webbing torn, seat sags on bottom

**Recommendations:**
- Clean
- Tone in losses
- Remove dust cover, reattach webbing to underside of seat, replace w/new dust cover

---

National Park Service  P.O. Box 50  
Harpers Ferry Center  Harpers Ferry, WV 25425
Object: Melodeon

Date of Survey: August 2008

Cat.No.: CT 558 associated □ non-associated

Location: Ladies Room

Material: Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other □ Other

Condition Problems

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<td>□ Sticky</td>
<td>□ Light damage</td>
</tr>
</tbody>
</table>

Paper Label

□ Deteriorated □ Losses □ Separated from substrate □ Other:

Other:

Condition Summary

□ Stable, appearance appropriate to historic period □ Some unstable elements
□ Stable, inappropriate appearance □ Unstable, acceptable appearance
□ Damaged/missing elements, appropriate to historic period □ Unstable, inappropriate appearance

Treatment priority:

□ Immediate treatment by conservator, lack of treatment will result in further damage
□ Eventual treatment by conservator
□ Treatment should be performed by curatorial staff
□ Treatment can be performed by conservator or curatorial staff
□ No treatment required

□ Treatment can be performed on site □ Treatment can be performed on site OR in lab □ Treatment should be performed in lab

Notes:
- Stretcher split through, rendering base unstable.
- Molding lost from sides of lid.
- Scattered veneer losses, drop finial missing from proper left side.
- Base heavily soiled with numerous abrasions and scratches.

Recommendations:
- Clean
- Stabilize stretcher
- Replace missing veneer and molding.
- Apply protective coat of paste wax

Treatment Estimates:

□ Minor (1-8) □ Moderate (9-16) □ Major (17+)

Est. hrs.: 28
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Mantel Clock (Seth Thomas)  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Cat.No.:** 392  
□ associated  ❏ non-associated

**Location:** Ladies Sitting Room

**Material:**  ❏ Wood  ❏ Veneer  ❏ Metal  ❏ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other

**Previous repairs:**

---

### Condition Problems

#### Structure:
- □ Generally unsound  
- □ Loose joints  
- □ Missing elements  
- □ Broken elements  
- □ Failed glue joints  
- □ Splits, unstable  
- □ Splits, stable  
- □ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation

**Other:**

#### Surface Elements:
- □ Missing elements  
- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions

**Other:**

#### Finish:
- ☑ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage

**Other:**

#### Upholstery:
- □ Dust  
- □ Soiled  
- □ Loss  
- □ Faded  
- □ Staining  
- □ Tears  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage  
- □ Inappropiate replacement  
- □ Broken, loose, missing elements  
- □ Abraded  
- □ Oxidized  
- □ Polish residue

**Hardware:**

#### Paper Label
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate

**Other:**

---

### Condition Summary

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

#### Treatment priority:
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required  
- □ Treatment can be performed on site  
- □ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Treatment Estimates:**
- □ Minor (1-8)  
- □ Moderate (9-16)  
- □ Major (17+)  

**Est. hrs.:** 2

**Notes:**
- Some minor losses of faux painting on front surface.  
- Finish crazed on sides.  
- Mouse crazed on sides.  
- Mouse nesting material found within.

**Recommendations:**
- Clean

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Center Table, tilt top  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Cat.No.:** TA 509  
- □ associated  
- □ non-associated

**Location:** Ladies Sitting Room

**Material:**  
- □ Wood  
- □ Veneer  
- □ Metal  
- □ Glass  
- □ Lacquer  
- □ Upholstery  
- □ Gilt  
- □ Other  

**Previous repairs:** Split in top repaired and filled. Discolored fills, primarily on base.

### Condition Problems

**Structure:**  
- □ Generally unsound  
- □ Loose joints  
- □ Missing elements  
- □ Broken elements  
- □ Failed glue joints  
- □ Splits, unstable  
- □ Splits, stable  
- □ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation

**Surface Elements:**  
- □ Missing elements  
- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions

**Finish:**  
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage

**Upholstery:**  
- □ Dust  
- □ Soiled  
- □ Loss  
- □ Faded  
- □ Staining  
- □ Tears  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage

**Hardware:**  
- □ Inappropriate replacement  
- □ Broken, loose, missing elements  
- □ Abraded  
- □ Oxidized  
- □ Polish residue

**Other:**

**Paper Label:**  
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate

### Condition Summary

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**  
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required

- □ Treatment can be performed on site  
- □ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Notes:**  
- Carved feet heavily soiled.
- Glue join in top partially separated.
- Discolored fills visually obvious.

**Recommendations:**  
- Clean.
- Reduce discolored fills.
- Attempt to re-adhere separated glue joint.
- Apply protective coat of paste wax to finished wood surfaces.


<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
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<tbody>
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<td>- Generally unsound</td>
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<tr>
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<td>- Abridged</td>
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<th>Notes:</th>
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<tbody>
<tr>
<td>- Old repair to crest rail join now loose</td>
</tr>
<tr>
<td>- Paper label affixed to underside of seat torn, coming loose from substrate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Recommendations:</th>
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<tbody>
<tr>
<td>- Clean</td>
</tr>
<tr>
<td>- Stabilize old repair</td>
</tr>
<tr>
<td>- Remove label and stabilize or stabilize in place by re-adhering with methyl cellulose and covering with Mylar</td>
</tr>
</tbody>
</table>

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National Park Service
Harpers Ferry Center
P.O. Box 50
Harpers Ferry, WV 25425
**National Park Service**
**Harpers Ferry Center**
**Media Assets - Wood & Furniture**

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Side Chair painted

**Cat.No.:** CH 419  
**□** associated  
**✗** non-associated

**Location:** Ladies Sitting Room

**Material:**  
**✓** Wood  
**□** Veneer  
**□** Metal  
**□** Glass  
**□** Lacquer  
**□** Upholstery  
**□** Gilt  
**✗** Other

**Previous repairs:** Has been repainted. Metal brace affixed to rear of proper left leg

### Condition Problems

**Structure:**  
**□** Generally unsound  
**□** Loose joints  
**□** Missing elements  
**□** Broken elements  
**□** Failed glue joints  
**□** Splits, unstable  
**□** Splits, stable  
**□** Warp, twist  
**□** Insect damage (inactive)  
**□** Active insect infestation

**Surface Elements:**  
**□** Missing elements  
**□** Damaged elements  
**□** Loose separated elements  
**□** Loose veneer  
**□** Buckled veneer  
**□** Missing veneer  
**□** Scratches  
**□** Dents  
**✓** Abrasions

**Other:**

**Paper Label**  
**□** Deteriorated  
**□** Losses  
**□** Separated from substrate

**Finish:**  
**✓** Dust  
**□** Soiled  
**□** Paint spatters  
**□** Accretions  
**□** Loss  
**□** Light damage  
**□** Staining  
**□** Crazing  
**□** Bloom  
**□** Sticky  
**□** Opaque  
**□** Darkened  
**□** Linseed oil accretions  
**□** Water Damage

**Other:**

**Upholstery:**  
**□** Dust  
**□** Soiled  
**□** Loss  
**□** Faded  
**□** Staining  
**□** Tears  
**□** Insect damage  
**□** Sub-structure deteriorated  
**□** Light damage

**Hardware**  
**□** Inappropriate replacement  
**□** Broken, loose, missing elements  
**□** Abraded  
**□** Oxidized  
**□** Polish residue

### Condition Summary

**✓** Stable, appearance appropriate to historic period  
**□** Some unstable elements  
**□** Unstable, acceptable appearance  
**□** Unstable, inappropriate appearance

**Treatment priority:**  
**□** Immediate treatment by conservator, lack of treatment will result in further damage  
**□** Eventual treatment by conservator  
**□** Treatment should be performed by curatorial staff  
**✗** Treatment can be performed by conservator or curatorial staff  
**□** No treatment required

**✗** Treatment can be performed on site  
**□** Treatment can be performed on site OR in lab  
**□** Treatment should be performed in lab

**Notes:**  
- Minor losses of paint  
- Abrasions on rear of crest rail

### Treatment Estimates:

- Minor (1-8)  
- Moderate (9-16)  
- Major (17+)

**Est. hrs.:** 2

### Recommendations:

- Clean

---

**National Park Service**  
P.O. Box 50  
**Harpers Ferry Center**  
Harpers Ferry, WV 25425
**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**

---

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Sewing Machine  
**Cat.No.:** MC 214A

**Location:** Ladies Sitting Room

**Material:** Wood, Other: Leather/Drive Belt

**Previous repairs:**

---

### Condition Problems

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**Other:**

- Paper Label
  - Deteriorated
  - Losses
  - Separated from substrate

---

### Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Stable, inappropriate appearance
- Unstable, acceptable appearance
- Damaged/missing elements, appropriate to historic period
- Unstable, inappropriate appearance

**Treatment priority:**

- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

---

**Notes:**

- Scattered abrasions along top edge of lid.
- Water stain on top surface.
- Edge of top surface somewhat soiled.

---

**Recommendations:**

- Clean wood and ferrous surfaces.
- Tone in recent abrasions.
- Reduce water staining.
- Apply paste wax to finished wood surfaces. Apply microcrystalline wax to ferrous machine surfaces.
Condition Problems

Structure:

- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

Surface Elements:

- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

Other:

Paper Label

- Deteriorated
- Losses
- Separated from substrate

Finish:

- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

Upholstery:

- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

Hardware

- Inappropriate replacement
- Broken, loose, missing elements
- Abraded
- Oxidized
- Polish residue

Condition Summary

- Stable, appearance appropriate to historic period
- Stable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

Treatment priority:

- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment can be performed on site
- Treatment can be performed on site OR in lab
- Treatment should be performed in lab

Notes:

- Much flaking, lifting lacquer, much loss of lacquer.
- Proper left front leg split below join with chest-unstable.
- Proper right door of cabinet separated from hinges.
- Door with mirror within cabinet loose on hinges.

Recommendations:

- Clean, polish lacquer.
- Stabilize flaking lacquer.
- Stabilize loose and separated doors.
- Provide structured stabilization... Optional: Fill and tone in losses (+ .40 hours).
**Park:**  Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:**  Al Levitan  
**Date of Survey:**  August 2008

**Object:**  Bookcase

**Cat.No.:**  559  
- associated  
- non-associated

**Location:**  Upstairs Hall

**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt  
- Other

**Previous repairs:**

---

## Condition Problems

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<td>□ Dust</td>
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<td>□ Splits, unstable</td>
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<td>□ Sticky</td>
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</table>

**Other:**

---

## Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Stable, inappropriate appearance
- Unstable, acceptable appearance
- Damaged/missing elements, appropriate to historic period
- Unstable, inappropriate appearance

**Treatment priority:**

- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

**Notes:**

- Scattered nicks and scratches, particularly at base and upper rail of doors.
- Bottom portion of proper right front foot missing.
- Splits occur on both sides, side panels remain stable.

**Recommendations:**

- Tone in nicks and scratches
- Replace missing section of proper right front foot
- Clean
- Apply protective coat of paste wax

---

**Treatment Estimates:**

- **Minor** (1-8)
- **Moderate** (9-16)
- **Major** (17+)

**Est. hrs.:**  10
**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Sofa, upholstered horsehair fabric

**Cat.No.:** 482  
□ associated  
☑ non-associated

**Location:** Upstairs Hall

**Material:**  
☑ Wood  
☑ Veneer  
□ Metal  
□ Glass  
□ Lacquer  
□ Upholstery  
□ Gilt  
☑ Other

**Previous repairs:** Veneer patched properly left seat rail at rear

---

**Condition Problems**

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**Paper Label**  
□ Deteriorated  
□ Losses  
□ Separated from substrate

**Other:**

---

**Condition Summary**

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**Treatment priority:**

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□ Eventual treatment by conservator  
□ Treatment should be performed by curatorial staff  
□ Treatment can be performed by conservator or curatorial staff  
□ No treatment required  |

☑ Treatment can be performed on site  
□ Treatment can be performed on site OR in lab  
□ Treatment should be performed in lab

**Notes:**

- Scattered abrasions particularly along bottom edge of seat rail.  
- Molding missing from proper right front foot.  
- Finish dull, somewhat opaque.

**Recommendations:**

- Clean wood and upholstery surfaces.  
- Tone in abrasions, reduce visibility of old veneer, patch.  
- Apply protective coat of paste wax to finished wood surfaces.

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

<table>
<thead>
<tr>
<th>Cat.No.: CT 577</th>
<th>associated</th>
<th>non-associated</th>
</tr>
</thead>
</table>

**Location:** Downstairs Hall

**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

**Previous repairs:** Metal support screwed onto rear join between proper right arm and center panel

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
</tr>
<tr>
<td>□ Loose joints</td>
<td>□ Damaged elements</td>
<td>□ Soiled</td>
<td>□ Soiled</td>
</tr>
<tr>
<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
</tr>
<tr>
<td>□ Broken elements</td>
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<td>□ Accretions</td>
<td>□ Faded</td>
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<tr>
<td>□ Failed glue joints</td>
<td>□ Buckled veneer</td>
<td>□ Loss</td>
<td>□ Staining</td>
</tr>
<tr>
<td>□ Splits, unstable</td>
<td>□ Missing veneer</td>
<td>□ Light damage</td>
<td>□ Tears</td>
</tr>
<tr>
<td>□ Splits, stable</td>
<td>□ Scratches</td>
<td>□ Staining</td>
<td>□ Insect damage</td>
</tr>
<tr>
<td>□ Warp, twist</td>
<td>□ Dents</td>
<td>□ Crazing</td>
<td>□ Sub-structure deteriorated</td>
</tr>
<tr>
<td>□ Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td>□ Bloom</td>
<td>□ Light damage</td>
</tr>
<tr>
<td>□ Active insect infestation</td>
<td>Other:</td>
<td>□ Sticky</td>
<td>Hardware</td>
</tr>
<tr>
<td>Other:</td>
<td>Paper Label</td>
<td>□ Opaque</td>
<td>□ Inappropriate replacement</td>
</tr>
</tbody>
</table>

| □ Deteriorated | □ Darkened | □ Insect damage |
| □ Losses | □ Linseed oil accretions | □ Abraded |
| □ Separated from substrate | □ Water Damage | □ Oxidized |
| Other: | Other: | □ Polish residue |

**Condition Summary**

| □ Stable, appearance appropriate to historic period | □ Stable, inappropriate appearance | □ Some unstable elements |
| □ Damaged/missing elements, appropriate to historic period | □ Unstable, acceptable appearance |
| □ Unstable, inappropriate appearance | Treatment Estimates: |

| □ Treatment can be performed on site | □ Treatment can be performed on site OR in lab | □ No treatment required |

| □ Treatment can be performed on site | □ Treatment should be performed in lab |

**Notes:**
- Four hat pegs damage partially lost.
- Finish damage and loss on lower portion.
- Some loss and chipping along bottom edge.

**Recommendations:**
- Repair loose join.
- Tone in losses.
- Clean/Wax.

**Optional:** Repair/Replace turned pegs.

---

National Park Service  
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**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Table, Marble Top

<table>
<thead>
<tr>
<th>Cat.No.:</th>
<th>TA 503</th>
<th>Associated</th>
<th>Non-associated</th>
</tr>
</thead>
</table>

**Location:** Downstairs Hall

**Material:** Wood, Veneer, Metal, Glass, Lacquer, Upholstery, Gilt, Other (Marble)

**Previous repairs:**

**Condition Summary**

<table>
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<td>Dust</td>
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<td>Loose joints</td>
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<td>Soiled</td>
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<td>Loss</td>
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<td>Scratches</td>
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<td>Warp, twist</td>
<td>Dents</td>
<td>Bloom</td>
<td>Light damage</td>
</tr>
<tr>
<td>Insect damage (inactive)</td>
<td>Abrasions</td>
<td>Sticky</td>
<td>Hardware</td>
</tr>
</tbody>
</table>

- Inappropiate replacement
- Sub-structure deteriorated

**Other:**

**Surface Elements:**
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

**Paper Label**
- Deteriorated
- Losses
- Separated from substrate

**Treatment priority:**

| Immediate treatment by conservator, lack of treatment will result in further damage |
| Eventual treatment by conservator |
| Treatment should be performed by curatorial staff |
| Treatment can be performed by conservator or curatorial staff |
| No treatment required |

- Treatment can be performed on site
- X Treatment can be performed on site OR in lab
- X Treatment should be performed in lab

**Treatement Estimates:**

| Minor (1-8) |
| Moderate (9-16) |
| Major (17+) |

**Est. hrs.:** 16

**Notes:**
- Originally fabric skirt hung down from top-indicated by ledge and tack holes
- Beading from perimeter of drawers missing
- Soiled, particularly at base
- Nicks, scratches, and abrasions-particularly at base

**Recommendations:**
- Clean/Wax
- Tone in nicks, scratches and abrasions
- Replace lost beading
- Optional: Replace fabric skirt

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Dining Chair (1 of set)  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Cat.No.:** CH 437  
**associated** □  
**non-associated** □

**Location:** Parlor

**Material:**  
□ Wood  
□ Veneer  
□ Metal  
□ Glass  
□ Lacquer  
□ Upholstery  
□ Gilt  
□ Other

**Previous repairs:** Appears to have been refinished

---

**Condition Problems**

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<td>□ Abrasions</td>
<td>□ Bloom</td>
<td>□ Broken, loose, missing elements</td>
</tr>
</tbody>
</table>

Other:

- Paper Label  
  □ Deteriorated  
  □ Losses  
  □ Separated from substrate

Other:

---

**Condition Summary**

- □ Stable, appearance appropriate to historic period  
- □ Some unstable elements  
- □ Stable, inappropriate appearance  
- □ Unstable, acceptable appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Unstable, inappropriate appearance

**Treatment priority:**

- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required

- □ Treatment can be performed on site  
- □ Treatment can be performed on site OR in lab

**Treatment Estimates:**

- □ Minor (1-8)  
- □ Moderate (9-16)  
- □ Major (17+)

**Est. hrs.:** 6

**Notes:**

- Scattered abrasions, particularly on feet.  
- Cob webs under seat.

---

**Recommendations:**

- □ Clean  
- □ Tone in finish losses/abrasions  
- □ Apply protective coat of paste wax

---

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Harpers Ferry, WV 25425
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Desk  
**Cat.No.:** CT 551  
**Associated:** ☐  
**Non-associated:** ☒  
(Brought around Cape Horn, 1851)

**Location:** Parlor  
**Material:** ☒ Wood  
☒ Veneer  
☒ Metal  
☐ Glass  
☐ Lacquer  
☐ Upholstery  
☐ Gilt  
☒ Other  
Felt writing surface

**Previous repairs:** Numerous

### Condition Problems

**Structure:**
- □ Generally unsound  
- ☒ Loose joints  
- □ Missing elements  
- □ Broken elements  
- ☒ Failed glue joints  
- ☒ Splits, unstable  
- ☒ Splits, stable  
- ☒ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation

**Surface Elements:**
- □ Missing elements  
- □ Damaged elements  
- ☒ Loose separated elements  
- ☒ Loose veneer  
- ☒ Buckled veneer  
- ☒ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions  

**Finish:**
- ☒ Dust  
- ☒ Soiled  
- ☒ Paint spatters  
- ☒ Accretions  
- ☒ Loss  
- ☒ Light damage  
- ☒ Staining  
- ☒ Crazing  
- ☒ Bloom  
- ☒ Sticky  
- ☒ Opaque  
- ☒ Darkened  
- ☒ Linseed oil accretions  
- ☒ Water Damage

**Upholstery:**
- □ Dust  
- ☒ Soiled  
- ☒ Loss  
- ☒ Faded  
- ☒ Staining  
- ☒ Tears  
- ☒ Insect damage  
- ☒ Sub-structure deteriorated  
- ☒ Light damage

**Hardware**
- □ Inappropriate replacement  
- ☒ Broken, loose, missing elements  
- ☒ Abraded  
- ☒ Oxidized  
- ☒ Polish residue

**Other:**
- ☒ Paper Label  
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate

### Condition Summary

- □ Stable, appearance appropriate to historic period  
- ☒ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**
- ☒ Immediate treatment by conservator, lack of treatment will result in further damage  
- ☐ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required

**Treatment Estimates:**
- □ Minor (1-8)  
- □ Moderate (9-16)  
- ☒ Major (17+)  

**Est. hrs.:** 32

**Notes:**
- □ Treatment can be performed on site  
- ☒ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

- Stencil of manufacture proper right top drawer  
- Structure appears to have been altered  
- Slant top loose on hinges  
- Proper left mortise and tenon join separated. Losses in felt writing surface

**Recommendations:**
- Make structural repairs  
- Patch veneer  
- Tone in losses of finish  
- Clean/Wax

---

National Park Service  
P.O. Box 50  
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Harpers Ferry, WV 25425
### Condition Problems

#### Structure:
- [ ] Generally unsound
- [ ] Loose joints
- [ ] Missing elements
- [ ] Broken elements
- [ ] Failed glue joints
- [ ] Splits, unstable
- [ ] Splits, stable
- [ ] Warp, twist
- [ ] Insect damage (inactive)
- [ ] Active insect infestation

#### Surface Elements:
- [ ] Missing elements
- [ ] Damaged elements
- [ ] Loose separated elements
- [ ] Loose veneer
- [ ] Buckled veneer
- [ ] Missing veneer
- [ ] Scratches
- [ ] Dents
- [ ] Abrasions
- [ ] Other:

#### Finish:
- [ ] Dust
- [ ] Soiled
- [ ] Paint spatters
- [ ] Accretions
- [ ] Loss
- [ ] Light damage
- [ ] Staining
- [ ] Crazing
- [ ] Bloom
- [ ] Sticky
- [ ] Opaque
- [ ] Darkened
- [ ] Linseed oil accretions
- [ ] Water Damage
- [ ] Other:

#### Upholstery:
- [ ] Dust
- [ ] Soiled
- [ ] Loss
- [ ] Faded
- [ ] Staining
- [ ] Tears
- [ ] Insect damage
- [ ] Sub-structure deteriorated
- [ ] Light damage

#### Material:
- [ ] Wood
- [ ] Veneer
- [ ] Metal
- [ ] Glass
- [ ] Lacquer
- [ ] Upholstery
- [ ] Gilt
- [ ] Other

#### Previous repairs:
- Appears to have been refinished

### Condition Summary

- [x] Stable, appearance appropriate to historic period
- [ ] Some unstable elements
- [ ] Unstable, acceptable appearance
- [ ] Unstable, inappropriate appearance
- [ ] Damaged/missing elements, appropriate to historic period

#### Treatment priority:
- [x] Immediate treatment by conservator, lack of treatment will result in further damage
- [ ] Eventual treatment by conservator
- [ ] Treatment should be performed by curatorial staff
- [ ] Treatment can be performed by conservator or curatorial staff
- [ ] No treatment required
- [ ] Treatment can be performed on site
- [x] Treatment can be performed on site OR in lab
- [ ] Treatment should be performed in lab

#### Notes:
- Finish on top faded from exposure to light
- Minor veneer losses on base

#### Recommendations:
- Clean
- Fill veneer losses
- Apply protective coat of paste wax

---

National Park Service
Harpers Ferry Center
Media Assets - Wood & Furniture

Condition Survey

Park: Fort Vancouver National Historic Site, McLoughlin House
Conservator: Al Levitan
Date of Survey: August 2008

Object: Drop Leaf Table
Cat.No.: TA 507  [x] associated  [ ] non-associated
Location: Parlor


Previous repairs: Appears to have been refinished

---

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**National Park Service**  
**Harpers Ferry Center**  
**Media Assets - Wood & Furniture**  

---

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House

**Object:** Oriental Lacquer Sewing Cabinet

**Conservator:** Al Levitan

**Date of Survey:** August 2008

**Cat.No.:** 520  
- associated  
- non-associated

**Location:** Parlor

**Material:**  
- Wood  
- Veneer  
- Metal  
- Glass  
- Lacquer  
- Upholstery  
- Gilt  
- Other

**Previous repairs:** Old fills, toning of losses

---

### Condition Problems

#### Structure:
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

**Other:**

#### Surface Elements:
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

**Paper Label**
- Deteriorated
- Losses
- Separated from substrate

**Finish:**
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

**Upholstery:**
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

#### Hardware:
- Inappropriate replacement
- Broken, loose, missing elements
- Abridged
- Oxidized
- Polish residue

**Other:**

---

### Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Unstable, acceptable appearance
- Unstable, inappropriate appearance
- Damaged/missing elements, appropriate to historic period

**Treatment priority:**
- Immediate treatment by conservator, lack of treatment will result in further damage
- Eventual treatment by conservator
- Treatment should be performed by curatorial staff
- Treatment can be performed by conservator or curatorial staff
- No treatment required

- Treatment required

**Notes:**
  - Flaking lacquer surface
  - Some losses of lacquer, particularly along upper edge of chest
  - Mirrored door within cabinet unstable

**Treatment Estimates:**
- Minor (1-8)
- Moderate (9-16)
- Major (17+)

**Est. hrs.:** 7

---

**Recommendations:**
- Clean, polish lacquer
- Stabilize flaking lacquer
- Stabilize door
- Optional: fill and tone in losses (+40 hrs.)

---

National Park Service  
P.O. Box 50  
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Harpers Ferry, WV 25425
Condition Survey

Park: Fort Vancouver National Historic Site, McLoughlin House  Conservator: Al Levitan
Object: Dining Chair  Date of Survey: August 2008
Cat.No.: CH 436  associated □ non-associated
Location: Parlor
Material: □ Wood  □ Veneer  □ Metal  □ Glass  □ Lacquer  □ Upholstery  □ Gilt  □ Other
Previous repairs: Appears to have been refinished. Glued repair to leg

Condition Problems

Structure:
- □ Generally unsound
- □ Loose joints
- □ Missing elements
- □ Broken elements
- □ Failed glue joints
- □ Splits, unstable
- □ Splits, stable
- □ Warp, twist
- □ Insect damage (inactive)
- □ Active insect infestation

Surface Elements:
- □ Missing elements
- □ Damaged elements
- □ Loose separated elements
- □ Loose veneer
- □ Buckled veneer
- □ Missing veneer
- □ Scratches
- □ Dents
- □ Abrasions

Finish:
- □ Dust
- □ Soiled
- □ Paint spatters
- □ Accretions
- □ Loss
- □ Light damage
- □ Staining
- □ Crazing
- □ Bloom
- □ Sticky
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- □ Darkened
- □ Linseed oil accretions
- □ Water Damage

Upholstery:
- □ Dust
- □ Soiled
- □ Loss
- □ Faded
- □ Staining
- □ Tears
- □ Insect damage
- □ Sub-structure deteriorated
- □ Light damage

Hardware:
- □ Inappropriate replacement
- □ Broken, loose, missing elements
- □ Abraded
- □ Oxidized
- □ Polish residue

Condition Summary

- □ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

Treatment priority:
- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required
- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

Notes:
- Scratches and abrasions on legs.
- Crest rail soiled.

Recommendations:
- Clean
- Tone in scratches and abrasions
- Apply protective coat of paste wax

National Park Service
Harpers Ferry Center
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Harpers Ferry, WV 25425
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Piano  
**Cat.No.:** CT 553  
**Location:** Parlor  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Material:**  
- □ Wood  
- □ Veneer  
- □ Metal  
- □ Glass  
- □ Lacquer  
- □ Upholstery  
- □ Gilt  
- □ Other

**Previous repairs:**

**Condition Problems**

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**Other:**

**Surface Elements:**  
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- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions

**Finish:**  
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage

**Upholstery:**  
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Broken, loose, missing elements  
- □ Abrided  
- □ Oxidized  
- □ Polish residue

**Paper Label**  
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate

**Condition Summary**

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**  
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required

**Notes:**
- Scattered finish losses and abrasions.  
- Water damage on top surf.  
- Minor veneer losses.

**Recommendations:**
- Treat on site.
- Clean.
- Repair water damage, tone in losses.
- Apply protective coat of paste wax.

**Treatment Estimates:**

- □ Minor (1-8)  
- □ Moderate (9-16)  
- □ Major (17+)

**Est. hrs.:** 14
### Condition Survey

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Object:** Dining Chair (1 of set)  
**Date of Survey:** August 2008

**Cat.No.:** CH 400  
**Location:** Parlor  
**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other

**Previous repairs:** Has been reupholstered with horsehair. Refinished.

#### Condition Problems

**Structure:**
- □ Generally unsound  
- □ Loose joints  
- □ Missing elements  
- □ Broken elements  
- □ Failed glue joints  
- □ Splits, unstable  
- □ Splits, stable  
- □ Warp, twist  
- □ Insect damage (inactive)  
- □ Active insect infestation

**Surface Elements:**
- □ Missing elements  
- □ Damaged elements  
- □ Loose separated elements  
- □ Loose veneer  
- □ Buckled veneer  
- □ Missing veneer  
- □ Scratches  
- □ Dents  
- □ Abrasions

**Finish:**
- □ Dust  
- □ Soiled  
- □ Paint spatters  
- □ Accretions  
- □ Loss  
- □ Light damage  
- □ Staining  
- □ Crazing  
- □ Bloom  
- □ Sticky  
- □ Opaque  
- □ Darkened  
- □ Linseed oil accretions  
- □ Water Damage

**Upholstery:**
- □ Dust  
- □ Soiled  
- □ Loss  
- □ Faded  
- □ Staining  
- □ Tears  
- □ Insect damage  
- □ Sub-structure deteriorated  
- □ Light damage  
- □ Inappropriate replacement  
- □ Broken, loose, missing elements  
- □ Abladed  
- □ Oxidized  
- □ Polish residue

**Hardware:**
- □ Inappropriate replacement  
- □ Broken, loose, missing elements  
- □ Abladed  
- □ Oxidized  
- □ Polish residue

**Paper Label**
- □ Deteriorated  
- □ Losses  
- □ Separated from substrate

**Other:**
- □ Condition Summary

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**
- □ Immediate treatment by conservator, lack of treatment will result in further damage  
- □ Eventual treatment by conservator  
- □ Treatment should be performed by curatorial staff  
- □ Treatment can be performed by conservator or curatorial staff  
- □ No treatment required

- □ Treatment can be performed on site  
- □ Treatment can be performed on site OR in lab  
- □ Treatment should be performed in lab

**Notes:**
- Soiled, paint rubs and spatters.  
- Scattered abrasions, particularly numerous on feet.

**Recommendations:**
- Clean.  
- Remove paint rubs and spatters mechanically.  
- Tone in finish losses and abrasions.  
- Apply paste wax to finished wood surfaces.

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Object:** Rocking Chair, horsehair upholstery  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008  

<table>
<thead>
<tr>
<th>Location:</th>
<th>Parlor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material:</td>
<td>Wood, veneer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cat.No.:</th>
<th>441 R</th>
</tr>
</thead>
</table>

| Previous repairs: | Appears to have been reupholstered. Panel installed beneath seat. |

### Condition Problems

#### Structure:
- Generally unsound
- Loose joints
- Missing elements
- Broken elements
- Failed glue joints
- Splits, unstable
- Splits, stable
- Warp, twist
- Insect damage (inactive)
- Active insect infestation

#### Surface Elements:
- Missing elements
- Damaged elements
- Loose separated elements
- Loose veneer
- Buckled veneer
- Missing veneer
- Scratches
- Dents
- Abrasions

#### Finish:
- Dust
- Soiled
- Paint spatters
- Accretions
- Loss
- Light damage
- Staining
- Crazing
- Bloom
- Sticky
- Opaque
- Darkened
- Linseed oil accretions
- Water Damage

#### Upholstery:
- Dust
- Soiled
- Loss
- Faded
- Staining
- Tears
- Insect damage
- Sub-structure deteriorated
- Light damage

#### Hardware:
- Inappropriate replacement
- Broken, loose, missing elements
- Abrided
- Oxidized
- Polish residue

#### Paper Label:
- Deteriorated
- Losses
- Separated from substrate

### Condition Summary

- Stable, appearance appropriate to historic period
- Some unstable elements
- Stable, inappropriate appearance
- Unstable, acceptable appearance
- Unstable, inappropriate appearance

<table>
<thead>
<tr>
<th>Treatment priority:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate treatment by conservator, lack of treatment will result in further damage</td>
</tr>
<tr>
<td>Eventual treatment by conservator</td>
</tr>
<tr>
<td>Treatment should be performed by curatorial staff</td>
</tr>
<tr>
<td>Treatment can be performed by conservator or curatorial staff</td>
</tr>
<tr>
<td>No treatment required</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Treatment Estimates:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor (1-8)</td>
</tr>
<tr>
<td>Moderate (9-16)</td>
</tr>
<tr>
<td>Major (17+)</td>
</tr>
</tbody>
</table>

| Est. hrs.: | 10 |

**Notes:**
- Gimp trim faded
- Finish soiled
- Veneer loss on front seat rail
- Scattered nicks, scratches, and abrasions

**Recommendations:**
- Clean
- Tone in nicks, scratches, and abrasions
- Fill area of lost veneer-tone in
- Apply protective coat of paste wax
**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
Conservator: Al Levitan  
Date of Survey: August 2008

**Object:** Sofa, horsehair upholstery

**Cat.No.:** CH 481  
association: ☑ non-associated

**Location:** Parlor

**Material:**  
Wood ☑  Veneer ☐  Metal ☐  Glass ☐  Lacquer ☐  Upholstery ☘  Gilt ☐  Other ☐

Previous repairs: 

---

**Condition Problems**

**Structure:**  
- Generally unsound ☐  
- Loose joints ☐  
- Missing elements ☐  
- Broken elements ☐  
- Failed glue joints ☐  
- Splits, unstable ☐  
- Splits, stable ☐  
- Warp, twist ☐  
- Insect damage (inactive) ☐  
- Active insect infestation ☐

Other: 

**Surface Elements:**  
- Missing elements ☐  
- Damaged elements ☐  
- Loose separated elements ☐  
- Loose veneer ☐  
- Buckled veneer ☐  
- Missing veneer ☐  
- Scratches ☐  
- Dents ☐  
- Abrasions ☐

**Finish:**  
- Dust ☘  
- Soiled ☐  
- Paint spatters ☐  
- Accretions ☐  
- Loss ☐  
- Light damage ☐  
- Staining ☐  
- Crazing ☐  
- Bloom ☐  
- Sticky ☐  
- Opaque ☐  
- Darkened ☐  
- Linseed oil accretions ☐  
- Water Damage ☐

Other:

**Upholstery:**  
- Dust ☘  
- Soiled ☐  
- Loss ☐  
- Faded ☐  
- Staining ☐  
- Tears ☐  
- Insect damage ☐  
- Sub-structure deteriorated ☐  
- Light damage ☐

**Hardware:**  
- Inappropriate replacement ☐  
- Broken, loose, missing elements ☐  
- Abraded ☐  
- Oxidized ☐  
- Polish residue ☐

**Paper Label**  
- Deteriorated ☐  
- Losses ☐  
- Separated from substrate ☐

**Condition Summary**

- Stable, appearance appropriate to historic period ☑  
- Some unstable elements ☐  
- Stable, inappropriate appearance ☐  
- Unstable, acceptable appearance ☐  
- Unstable, inappropriate appearance ☐

**Treatment priority:**  
- Immediate treatment by conservator, lack of treatment will result in further damage ☐  
- Eventual treatment by conservator ☚  
- Treatment should be performed by curatorial staff ☩  
- Treatment can be performed by conservator or curatorial staff ☩  
- No treatment required ☐

- Treatment can be performed on site ☐  
- Treatment can be performed on site OR in lab ☐  
- Treatment should be performed in lab ☐

**Notes:**  
- Some small tears and areas of loss of upholstery.  
- Minor scattered nicks and abrasions.

**Treatment Estimates:**  
- Minor (1-8) ☐  
- Moderate (9-16) ☚  
- Major (17+) ☩

Est. hrs.: 7

**Recommendations:**  
- Stabilize upholstery.  
- Tone in nicks and abrasions.  
- Clean/Vacuum.  
- Apply protective coat of paste wax to finished wood surfaces.

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425
**Park:** Fort Vancouver National Historic Site, McLoughlin House

**Object:** Side Chair, horsehair upholstery

**Cat.No.:** CH 400  

**Location:** Parlor

**Material:** Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other horsehair

**Previous repairs:** Glue blocks replaced. Reupholstered 1979.

### Condition Problems

<table>
<thead>
<tr>
<th>Structure:</th>
<th>Surface Elements:</th>
<th>Finish:</th>
<th>Upholstery:</th>
<th>Hardware:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Generally unsound</td>
<td>□ Missing elements</td>
<td>□ Dust</td>
<td>□ Dust</td>
<td>□ Inappropriate replacement</td>
</tr>
<tr>
<td>□ Loose joints</td>
<td>□ Damaged elements</td>
<td>□ Soiled</td>
<td>□ Soiled</td>
<td>□ Broken, loose, missing elements</td>
</tr>
<tr>
<td>□ Missing elements</td>
<td>□ Loose separated elements</td>
<td>□ Paint spatters</td>
<td>□ Loss</td>
<td>□ Abladed</td>
</tr>
<tr>
<td>□ Broken elements</td>
<td>□ Loose veneer</td>
<td>□ Accretions</td>
<td>□ Light damage</td>
<td>□ Oxidized</td>
</tr>
<tr>
<td>□ Failed glue joints</td>
<td>□ Buckled veneer</td>
<td>□ Loss</td>
<td>□ Staining</td>
<td>□ Polish residue</td>
</tr>
<tr>
<td>□ Splits, unstable</td>
<td>□ Missing veneer</td>
<td>□ Light damage</td>
<td>□ Tears</td>
<td></td>
</tr>
<tr>
<td>□ Splits, stable</td>
<td>□ Scratches</td>
<td>□ Insect damage</td>
<td>□ Other</td>
<td></td>
</tr>
<tr>
<td>□ Warp, twist</td>
<td>□ Dents</td>
<td>□ Sub-structure deteriorated</td>
<td>□ Other</td>
<td></td>
</tr>
<tr>
<td>□ Insect damage (inactive)</td>
<td>□ Abrasions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Active insect infestation</td>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other:**

**Paper Label**

□ Deteriorated

□ Losses

□ Separated from substrate

**Other:**

**Condition Summary**

- □ Stable, appearance appropriate to historic period
- □ Stable, inappropriate appearance
- □ Damaged/missing elements, appropriate to historic period
- □ Some unstable elements
- □ Unstable, acceptable appearance
- □ Unstable, inappropriate appearance

**Treatment priority:**

- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Notes:**

- Minor scratches and abrasions.

**Recommendations:**

- Clean
- Tone in abrasions
- Apply protective coat of paste wax

**Treatment Estimates:**

- Minor (1-8)
- Moderate (9-16)
- Major (17+)

**Est. hrs.:** 3
National Park Service
Harpers Ferry Center
Media Assets - Wood & Furniture

Condition Survey

Park: Fort Vancouver National Historic Site, McLoughlin House
Object: Tilt-Top Table

Conservator: Al Levitan
Date of Survey: August 2008

Cat.No.: TA 500 □ associated  □ non-associated
Location: Parlor
Material: □ Wood □ Veneer □ Metal □ Glass □ Lacquer □ Upholstery □ Gilt □ Other
Previous repairs: 

Condition Problems

Structure:
□ Generally unsound
□ Loose joints
□ Missing elements
□ Broken elements
□ Failed glue joints
□ Splits, unstable
□ Splits, stable
□ Warp, twist
□ Insect damage (inactive)
□ Active insect infestation
Other:

Surface Elements:
□ Missing elements
□ Damaged elements
□ Loose separated elements
□ Loose veneer
□ Buckled veneer
□ Missing veneer
□ Scratches
□ Dents
□ Abrasions
Other:

Finish:
□ Dust
□ Soiled
□ Paint spatters
□ Accretions
□ Loss
□ Light damage
□ Staining
□ Crazing
□ Bloom
□ Sticky
□ Opaque
□ Darkened
□ Linseed oil accretions
□ Water Damage
Other:

Upholstery:
□ Dust
□ Soiled
□ Loss
□ Faded
□ Staining
□ Tears
□ Insect damage
□ Sub-structure deteriorated
□ Light damage

Hardware
□ Inappropriate replacement
□ Broken, loose, missing elements
□ Abridged
□ Oxidized
□ Polish residue

Paper Label
□ Deteriorated
□ Losses
□ Separated from substrate
Other:

Condition Summary

□ Stable, appearance appropriate to historic period  □ Some unstable elements
□ Stable, inappropriate appearance  □ Unstable, acceptable appearance
□ Damaged/missing elements, appropriate to historic period  □ Unstable, inappropriate appearance

Treatment priority:
□ Immediate treatment by conservator, lack of treatment will result in further damage
□ Eventual treatment by conservator
□ Treatment should be performed by curatorial staff
□ Treatment can be performed by conservator or curatorial staff
□ No treatment required

□ Treatment can be performed on site  □ Treatment can be performed on site OR in lab  □ Treatment should be performed in lab

Notes:
- Failed glue joint on top as a result of shrinkage across grain
- Scattered nicks, scratches, and abrasions

Treatment Estimates:
□ Minor (1-8)
□ Moderate (9-16)
□ Major (17+)

Est. hrs.: 8

Recommendations:
- Clean
- Tone in nicks, scratches, and abrasions
- If possible, re-adhere glue joint in top
- Apply protective coat of paste wax
**National Park Service**
**Harpers Ferry Center**
**Media Assets - Wood & Furniture**

**Condition Survey**

**Park:** Fort Vancouver National Historic Site, McLoughlin House  
**Conservator:** Al Levitan  
**Date of Survey:** August 2008

**Object:** Dining Chair (one of a set)

**Cat.No.:** CH 406  
**associated** □  
**non-associated** ...

**Location:** Dining Room

**Material:**  
Wood □  
Veneer □  
Metal □  
Glass □  
Lacquer □  
Upholstery □  
Gilt □  
Other —

**Previous repairs:** Reupholstered in 1986 and 1938, most recent in black horsehair.

### Condition Problems

**Structure:**  
- Generally unsound □  
- Loose joints □  
- Missing elements □  
- Broken elements □  
- Failed glue joints □  
- Splits, unstable □  
- Splits, stable □  
- Warp, twist □  
- Insect damage (inactive) □  
- Active insect infestation □

**Surface Elements:**  
- Missing elements □  
- Damaged elements □  
- Loose separated elements □  
- Loose veneer □  
- Buckled veneer □  
- Missing veneer □  
- Scratches □  
- Dents □  
- Abrasions □

**Finish:**  
- Dust □  
- Soiled □  
- Paint spatters □  
- Accretions □  
- Loss □  
- Light damage □  
- Staining □  
- Crazing □  
- Bloom □  
- Sticky □  
- Opaque □  
- Darkened □  
- Linseed oil accretions □  
- Water Damage □

**Upholstery:**  
- Dust □  
- Soiled □  
- Loss □  
- Faded □  
- Staining □  
- Tears □  
- Insect damage □  
- Sub-structure deteriorated □  
- Light damage □

**Hardware:**  
- Inappropriate replacement □  
- Broken, loose, missing elements □  
- Abraded □  
- Oxidized □  
- Polish residue □

**Other:**

**Paper Label:**  
- Deteriorated □  
- Losses □  
- Separated from substrate □

**Other:**

### Condition Summary

- □ Stable, appearance appropriate to historic period  
- □ Stable, inappropriate appearance  
- □ Damaged/missing elements, appropriate to historic period  
- □ Some unstable elements  
- □ Unstable, acceptable appearance  
- □ Unstable, inappropriate appearance

**Treatment priority:**

- □ Immediate treatment by conservator, lack of treatment will result in further damage
- □ Eventual treatment by conservator
- □ Treatment should be performed by curatorial staff
- □ Treatment can be performed by conservator or curatorial staff
- □ No treatment required

- □ Treatment can be performed on site
- □ Treatment can be performed on site OR in lab
- □ Treatment should be performed in lab

**Notes:**

- Scattered abrasions.

**Treatment Estimates:**

- □ Minor (1-8)
- □ Moderate (9-16)
- □ Major (17+)

**Est. hrs.:** 4

**Recommendations:**

- Clean
- Tone in abrasions
- Apply protective coat of paste wax

---

National Park Service  
P.O. Box 50  
Harpers Ferry Center  
Harpers Ferry, WV 25425