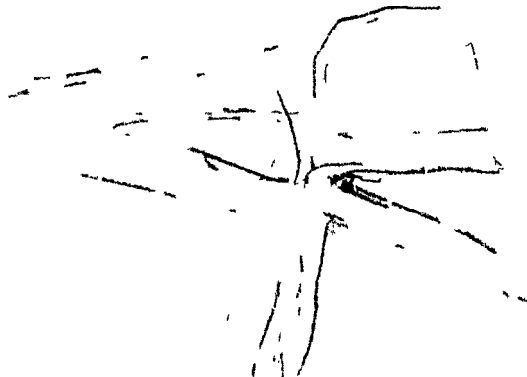


HOFU-076 L  
CRBIB# 016933  
376/131576



Notes taken from Mr. Harker L. Long,  
Birdsboro, Pa., at the Site of Each  
Subject Discussed, Hopewell Village,  
December, 1935 - by Roy E. Appleman

C O P Y

Verbatim Notes Taken from Mr. Harker L. Long,  
Birdsboro, Pa., at the Site of Each Subject  
Discussed, Hopewell Village, December, 1935  
by  
Roy E. Appleman

Tenant House

Stable and garden with each tenant house. No tenant houses on east side of road, except the one which is still standing. Tables and chairs were largely home made. Plaster on walls.

School House

Private school; built by Brooke before public school law of (1834 ?) passed by Pa. Used until about 1870 when township built new one at another location. Old school accommodated about 35 or 40. School house of stone; 1 story; door on north; 50 or 60 feet off road; path over cinders; benches around wall; raised pedestal for teacher at west end; small vestibule at north; coat corridor or hall at east end of school. (Probably 2 windows on each side. See old school house at Valley Forge for interior model.)

Crossing at Creek

Old wood bridge over creek at site of present bridge on main road to St. Mary's. No bridge on road to Jones mine, over which ore hauled. Ford across creek just south and west of blacksmith shop. Road made curve around corner of blacksmith shop bending to west. (Probably at site of present road which follows an old depression across creek.) Log foot walk across creek at this point.

Smokehouse (Big)

Above spring house, little south of east of Big House; 30 feet square; stone lower 8 or 9 feet; log top. (Two feet at bank of hill; 8 feet in front; stood on slope. This part stone work.)

Smokehouse (Big) - Cont'd

Ridge east and west. Logs above stone work for 5 or 6 feet. Two doors in building, both at south. Divided into 2 sections, ran north and south. Big plank table.

(Small smokehouse frame boards. Probably not of early date. Hardly need to consider in restoration plan.)

Toilet--Double Latrine

Square; two sections; two doors. Ridge north and south. West side for family in Big House; east for servants of Big House. Lath and plaster; shingle roof. Located just above water race to east of house. Two paths from house at east and west ends.

Hog Pen and Chicken House

At east end of barn; 40 by 40 feet; 1 story; wood frame; divided north and south; west side for hogs; east for chickens. Door on west for hogs; on south for chickens.

Gardener's Tool House

East of Hot House; foundations still visible.

Furnace

Scales to weigh pig iron, half ton at a time at casting house. (Where public road now located.) (East race always used iron pipe under ore pile to water wheel.)

Store-Office

Grocery supplies sold here to workers; records of iron business. East side of office was store room; counter across south end. Meal was kept in section to left of door to office. Chest for flour; corn chest held about 150 bushels.

### Greenhouse

Stone wall (ruins still standing); lower about 4 feet high; upper about 7 feet. (East end of wall shows clearly exact height of walls; not measured.) Sash about 20 feet. East end grapery, under glass; 2/3's of whole Greenhouse was grapery. Partition between grapery and west end; heating plant at east end of lower corner; terra cotta pipes for heat. Hothouse at western end, 1/3, all flowers; door at west upper end; door at partition; walk at upper side of Greenhouse. (Ruins show doors about middle of Greenhouse. Inference is that walk about middle.)

### Flower Garden

Flowers on east end of garden. (Types of flowers?) Stone wall about 2 feet high, dry, on west side of garden as far as gate from west, terrace, with pickets about 2 feet high nailed on log laid on stone wall. From gate and terrace wall, the fence continued as a picket fence. Raspberry patch above main garden on small terrace. Boxwood divided garden into patches, etc.

### Vegetable Gardens (2)

One-quarter acre; all on northwest of creek; creek now cuts through area. Pale fence around garden; plank over tail race; path from north. Garden almost square; little longer north and south; joined barnyard on west. Pole beans, cabbage, late potatoes, etc. Whitewashed pale fence.

Second vegetable garden to west of old brick kiln; about 1/2 acre.

### Icehouse-Summerhouse

Ice house was 20 feet deep, 15 by 15 feet; stone wall; ice from dam; rye straw next to wall; ladder used to get into pit.

On top of icehouse was summerhouse. Frame, lattice work. All there before Long came to Hopewell in 1867. Octagonal, 8 sides. Benches around edge of lattice; 3 stone steps to summer house. Door on west; 8 gable roof; all enclosed in lattice. Stone wall

varying from 1 foot at highest contour to 3 feet at lowest contour. Big trap door on floor of summerhouse to ice pit on west side.

### Orchard

Old orchard where C.C.C. camp now located; all apple; 2 to 3 acres. Other fruit around house in scattered trees. Present orchard planted after 1867 by Klingen; about 1872 according to Mr. Long; elongated strip to east and above house.

### Scales

Fairbanks make (Philadelphia); stood on cinder road to south and west of office building; stone foundations; plank scales; only scales covered. (Gas pump now on site.) About 75 feet southwest of barn, halfway between office building and blacksmith shop. (Beams and weights of scales put overhead of office by Long.) A new scale after 1867 replaced older one; similar make of perhaps half century earlier. Necessary to get data on Revolutionary period scales.

### Old Barn

~~Measurements:~~ 102 feet long, 30 feet wide, including 4-foot overhang. Carriage shed at east end; 30 feet long, running length of end of barn, and about 25 feet wide. Shed raised to second story (but probably not in early times.)

Present barn 2 feet higher than old one; 2 floors and 3 mows; basement, stables under mows. Barn all stone. Stone wall on south only stable high. Overhang of 4 feet.

The first barn only about 75 feet long. Stone wall divided from extension of about 25 feet. Wall about 2 feet thick.

Wood water trough. Wagons, ore beds stood out in weather, never sheltered. Three mule teams, each of 6 animals each, making 18 mules when Mr. Long came to Hopewell in 1867. Horses besides. Twenty-four mules after Mr. Long came to Hopewell.

### Big House

Northwest part original; southwest corner next; east wing last. All built before 1849 when Klingen arrived. Alterations in 1870; windows on first floor lengthened--had been just like those on second floor; veranda changed 1867 from small square to 20 feet long; then in 1870 changed to run full length of the house. Bath house added in 1870. Stepping gables there all time. (House at Charming Forge, Womelsdorf, similar to Hopewell.) Roof shingle; walls pebble dash finish. Only moulders, other than family, fed in Big House. Moulders fed in lower east corner. About 16 moulders, all three meals (\$16 month and board.) Did not sleep in Big House. Wall paper in 1867. Big southwest room, ground floor, was 2 rooms until 1870 when made into one big dining room. Dining room earlier in east end of house where it now is. (Used by servants after 1870.)

### Ore Roaster

Put up 1882; used to heat ore to take sulphur out of ore; formerly roasted on ground. Only sulphur ore so treated. Location just below wall across road. Three hundred bushels of ore. Hardly need consider in restoration, as of late construction.

### Wheelwright-Carpenter Shop

Torn down after 1896. Not quite as far back as blacksmith shop from road; 20 by 15 feet; attic. Work bench on west side; vise, wood jaws, etc., shaving horse, a wood stove. Inside lath and plaster. Pit in floor where wheel placed, hub on logs, to fill with spokes (at north). Door on east side at end of bench. Tool chest and various tools. Window on west and north and south--extending lengthwise, and not up and down.

Some years ago old wheelwright shops were at: (1) Geigertown, in village; (2) Schuylkill Road, 1/2 mile west of Douglasville, just after crossing canal to go to bridge; (3) Loag's Corner, 3 miles south of St. Mary's (Mr. Handwork). See Mr. <sup>Handwork</sup> ~~Handwork~~ about old wagon shop near his farm, where wagons made.

### Charcoal House (Upper or North)

Not standing now. Same length as big coal house remaining; about 20 feet wide; posts about 20-foot intervals; planks on side when charcoal dumped. Roofed over, but no walls. Post extended about 20 feet above ground. Interval of 4 feet between the 2 charcoal storage houses. All charcoal dumped at upper house first. Wheeled to lower one, up planks to three doors (now windows) on north side of big storage house. About 1880 east end of open space from upper to lower charcoal house roofed over (4 feet) for distance of about 25 feet. Big charcoal house rebuilt 1880; made 2 feet higher.

### Road above Coal House

Drove through open coal house if not filled with charcoal; otherwise, road above open coal house. Depression yet marks site. Stone foundation can be seen of upper end of open upper charcoal house. Stone foundation ran for about 1/3 distance from east end of charcoal house about 1 foot above ground. Poles rest of way. Most charcoal brought in from north road. As much as 1,000 tons of magnetite ore piled--always open--located from edge of charcoal house toward office building as far as big elm tree across highway--approximately as wide as coal house. A gutter ran above ore pile to divert water. Road above ore pile.

Another ore pile at southwest corner of charcoal house, below limestone pile; hematite, a little of this used after 1870, from 12 miles away.

### Limestone Pile

Southwest corner of big Charcoal House.

### Water Wheel and Water Race from Garden

Iron pipe from garden race under ore bed, about 18 feet from bridge house wall. Open wood trough 1 foot wide, 6 inches high, from iron pipe to water wheel. Water from the race did not go over wheel as breast wheel, but went on wheel as overshot--drop of 6 or 8 feet--before striking wheel at all; came in at about 30-foot level (height of old water wheel) trough to center of wheel and then spout turned water down over wheel.

### Forebay Piers and Trough

Five piers from head race to water wheel. Piers 4 feet wide. Two still standing in perfect condition--get dimensions from them, etc. Water entered trough above 5th pier, about 6 feet above big sycamore tree standing below trough site. Trough 4 feet wide and 1 foot high; open.

### Casting House

Higher than moulding shed. Extended from about 4 feet south of north edge of furnace stack to south edge of furnace stack. Cone of roof about to second terrace from top of stack. Ventilator in center top, 2 feet higher than roof for escape of gas. Bell and belfry on east end at north corner of casting house (top). Four feet higher than rest of roof. Ring bell when about to start to cast. Bring help down from bridge house; also, notify people in Big House that casting about to begin. (Bell at Klingen Farm, west of Birdsboro, 1/2 mile on Schuylkill Road.)

Pigs run on south side of casting house. Iron came out at south side of arch. Cinders came out at center of arch. Shoveled them to north side of casting house. Hauled out daily 7 or 8 loads. Iron tapped at bottom of hearth, cinders tapped out about 12 inches above bottom of the hearth. About 20 or 25 pigs, about 3 feet, 10 inches long, and 3 inches wide. Flat on top and oval or rounded on sides. Put bars at juncture of pigs to sow to break pigs from sow when iron began to cool and solidify. At same time, iron in sow was cut up into approximately the same length and made into pigs. Sow a bit wider than pigs, just as deep as pigs.

### Moulding House

Used only before 1840. Extended south of furnace shaft about 20 feet and then west to edge of tail race. A low stone wall on south edge. The moulding was done on both sides of casting House. The north roof standing when Mr. Long came to Hopewell in 1867. The south was gone. The north moulding shed-roof extended from wall still standing to furnace shaft on an up incline and reached to near the edge of the eaves of the casting house. The south moulding house probably the same.

### Wall Across Road from Moulding House

Sloped down from present level on west side of road to just above the ground level at the northwest corner of office building. About a 7-foot cut through wall at road site now. (Wall east of furnace along road will have to come out as ground sloped back from casting house in old days.) About 4 feet back from present wall, done by C.C.C. camp. Do not believe any wall there in old days.

### Bridge House

Went across at level of second terrace from top of shaft. Tunnel shaft of furnace topped over. Charges put in on north side of furnace at opening on first terrace. Scales for weighing charges of ore in bridge house. Bridge house started about 4 feet back toward charcoal house from edge of wall at north end of old moulding house. About 10 to 15 feet high from floor frame.

Dumping space and passage from coal house to bridge house roofed over for about 60 feet from end of stone walls extending south from main room of charcoal house. Poles or post about every 20 feet; 3 sets of poles making 3 driveways, dump 2 loads of charcoal in each driveway for immediate use at furnace, making 6 loads in runway. Sides for 60 feet to Bridge House not boarded up.

### Wheel House

Frame house on stone foundation. Separate roof until 1879 when it was extended to bridge house, 20 feet high. North wall down to level of south wall and forebay posts. Mr. Long built north wall higher. Door to wheel house on northeast corner of wheel house on north side. Blowing tubs housed here. Steps down to furnace level, also up to blowing tubs, at northwest corner of wheel house.

### Garden North of Big House

Two terraces, upper raspberries; lower in rectangles marked off by boxwood. Two-foot stone wall, torn down on west. Hewn logs lay on top of stone wall and paling, 2 feet high, nailed to

logs up to gate into garden. From there on paling fence all around garden and past summerhouse on north. Path from north end of porch of Big House across water race, then turned at edge of garden, running east for several yards, branched; one went up hill to north to summerhouse; other continued straight to the east to the latrine. Grape arbor over path from near branching of path to the double latrine. (Foundations of latter still visible.)

#### Coach-Carriage

Standing in open to west of coal house. Carved wood, leather springs in back; ivory inlaid interior. One lamp missing on left side. "B" on door. Carriage strap on back of carriage. Carriage should be stored. Speaking tube from interior to coachman's box. Very fine carriage at one time.

H2215

*File*

*Handwritten notes:*  
H. H. H. H. H.  
not  
power  
files

Region Five  
421 Walnut Street  
Philadelphia 6, Pa.

May 21, 1957

Memorandum

To: Director  
From: Assistant Regional Director  
Subject: Interviews with Harker Long on Hopewell

We wonder if personnel now in your office might be able to offer some help on the problem presented in the memorandum attached from Park Historian Robert Ronsheim, Hopewell Village. All Hopewell Village files - including some dating back some time - were transferred here from Richmond two years ago, but we cannot find therein the notes desired. Perhaps Mr. Appleman might have some suggestions, or Mr. Bahlmann might give leads as to the probable location of the records of that period. Please address your comments directly to the area, with copy of your memorandum here.

(Sgd.) George A. Palmer

George A. Palmer  
Assistant Regional Director

In duplicate

Attachment  
Copy to: Supt., Hopewell Village

*Handwritten in a circle:*  
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mark

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Y

H2215

April 25, 1957

Memorandum

To: Regional Director, Region One

From: Park Historian, Hopewell Village N.H.S.

Subject: Interviews with Harker Long on Hopewell

We have in our files some notes made by Mr. Kemper after conversation with Mr. Harker Long, and some copies of comments by Mr. Long on these notes. It seems that we do not have a complete set of the notes, and I write to ask if you might have them, or be able to tell where they might be found.

This is what we have:

A contents page with "French Creek Project" in the upper left corner and "Mr. Kemper" in the upper right. It outlines the various features of the "Hopewell Community" using I a-k, II a-f, III a-d, IV a-g. This page is stamped "Received Sep 4 1936 Region One District Office." There are then four sheets with "Notes taken after Conversation with Mr. Harker Long, Aug. 7, 1936." in the upper left, and "August 10, 1936. By Mr. Kemper" in the upper right. The sheets are marked "Furnace I," "Anthracite Furnace I," "Races I-g" and "Charcoal." (The Charcoal sheet conversation is Aug. 8.)

There are also five sheets of carbon copy of "Notes compiled after conversation with Mr. Harker Long." These have "French Creek Project" over the "Notes . . ." in the upper left corner, and "Mr. Kemper" in the upper right with letters relating to the contents outline underneath the "Mr. Kemper." The first three pages are on the "Furnace Stack" and are labeled "I.a"; the fourth page "Mines-Limestone" and is labeled "I.K."; the fifth "Teams" and I.L."

A copy of a letter from Mr. Long to Mr. Kemper dated August 13, 1936. This was the cover letter for pencilled notes by Mr. Long commenting on the notes made by Mr. Kemper.

Three pages of typed copies of Mr. Long's comments, dated August 13, 1936. The comments are numbered 1 through 7 and concern: "Furnace, Residence and Grounds, Farm, Spring House, 'Village', Head Races, Charcoal." Thus we have Mr. Long's comments on notes by Mr. Kemper which are not in our files.

Mr. Long was the last manager of the furnace and his memory of the Village extended back further than that of any other person. We do have Mr. Applemen's notes on conversations made in 1935, but Mr. Kemper's notes seem to be more detailed. If the missing portions of his notes could be located and sent to Hopewell, it would be a great aid in our restoration.

We would also be interested in knowing the relation between the two sets of notes made by Mr. Kemper, these of which we have the original typescript and are dated, and those of which we have a carbon copy and are undated. We would especially want to know if Mr. Long made any comments on the undated notes, if he had a chance to see them.

Robert D. Ronshein  
Park Historian