

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

CROGHAN ISLAND MILL
9897 South Bridge Street
Croghan
Lewis County
New York

HAER NY-546

INDEX TO BLACK AND WHITE PHOTOGRAPHS

Todd A Croteau, photographer, 2011

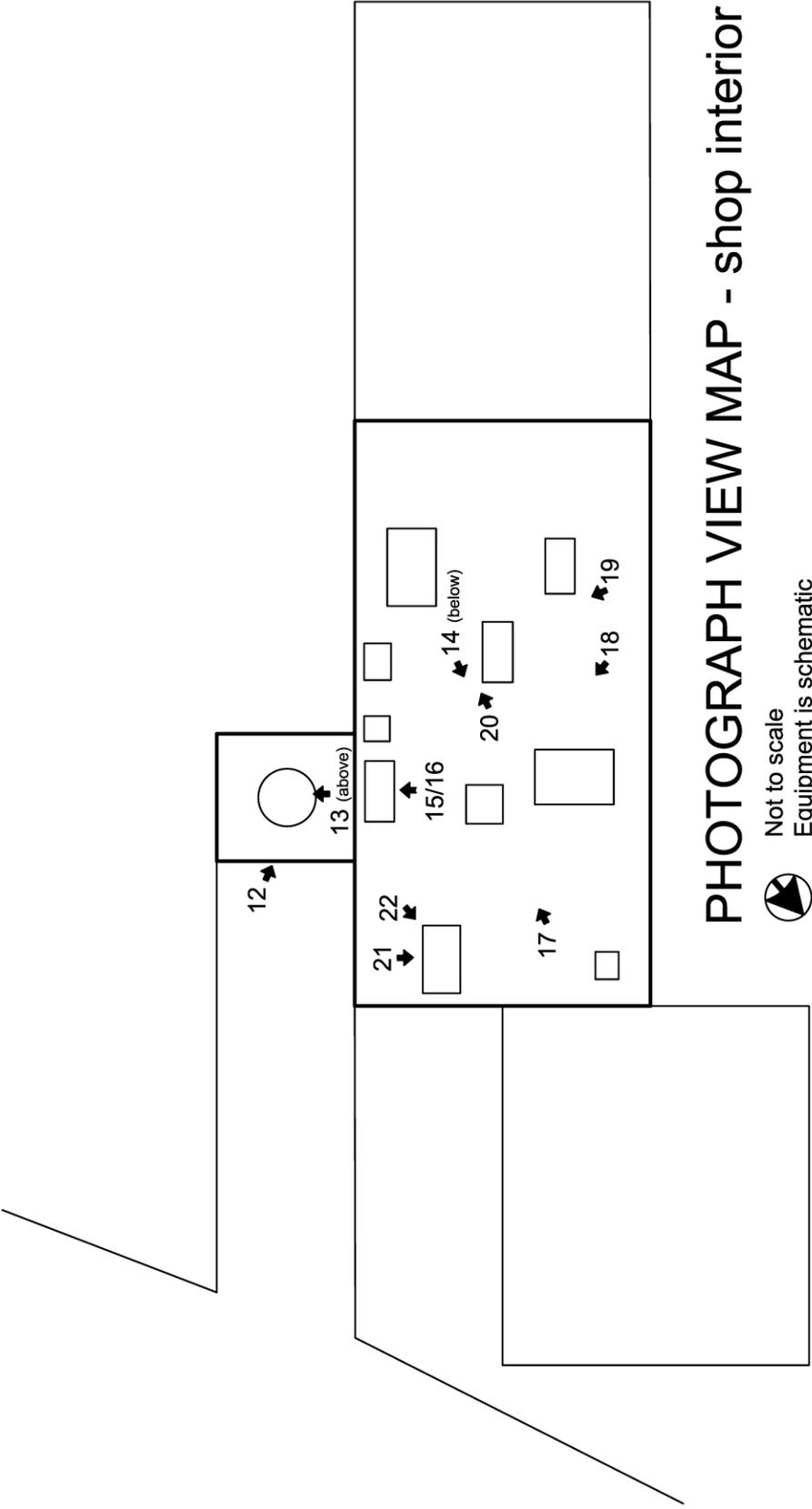
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|----------|---|
| NY-546-1 | Cold storage in foreground; two and one-half story main shop behind; office/entrance to right; facing south. |
| NY-546-2 | Two and one-half story main shop; wheel house to left; cold storage to right; facing southwest. |
| NY-546-3 | Office in foreground behind pickup; saw dust collection hopper system above shed to left; two and one-half story main shop behind office; facing northeast. |
| NY-546-4 | The mill can be seen behind (downstream of) the South Bridge Street Bridge, a single-lane, Pratt, five-panel, through-truss steel bridge, which no longer carries traffic. The bridge was erected in 1952, and spans the Beaver River. Approximately 90-feet long, it carried South Bridge Street to Croghan Island, but was replaced by a more modern deck bridge in 1993. |
| NY-546-5 | From left to right: single story office; two and one-half story main shop; wheel house; bridge in background; dam; facing north. |
| NY-546-6 | Two and one-half story main shop; wheel house; wood flume box; dam; bridge in background; facing north. |
| NY-546-7 | Mill pond in foreground behind dam; main mill shop with wheel house attached on left and flume box in front; cold storage to right; facing southwest. |

CROGHAN ISLAND MILL
HAER NY-546
INDEX TO PHOTOGRAPHS

- NY-546-8 Mill pond in foreground behind dam; wood flume box; wheel house; two and one-half story mill structure; cold storage; facing south southwest.
- NY-546-9 Mill pond, flume box and dam; mill buildings to left; facing south.
- NY-546-10 Dam to left; wood flume box (sealed off) in center; wheel house upper right; facing southeast.
- NY-546-11 Wheel house, flume box, Leffel turbine in center of pit; facing southwest.
- NY-546-12 Leffel turbine (c. 1902), 5 feet wide, 770 rpm.
- NY-546-13 Wheel house showing turbine shaft (vertical) connected to main drive shaft and rotational gearing.
- NY-546-14 American No. 5 Heavy Tenoner on left, American No. 20 Automatic Vertical Hollow Chisel Mortiser on right; pulleys and belt drives in center.
- NY-546-15 Shaft, pulley and belt power transmission beneath main shop floor; note dirt floor.
- NY-546-16 Pulleys and belts driving tenoner (left) and mortiser (right) with safety screen in center.
- NY-546-17 View looking south showing general shop layout.
- NY-546-18 Surface planer (27") center-left; note lever to engage/disengage loose pulley to power planer.
- NY-546-19 General view of main shop floor, showing saw in foreground, belt/disk sander to left, American No. 1 combination saw bench/boring machine in rear middle, and 9" moulder behind American No. 1 saw bench.

CROGHAN ISLAND MILL
HAER NY-546
INDEX TO PHOTOGRAPHS

- NY-546-20 Levi Houston (American Wood Working Machine Co., after 1898) No. 2, Nine-Inch Four-Sided Moulder, with solid outside bearing for top cutter-head shaft. Drive pulleys and belts are covered by wood guards to right of machine. The cast-iron table with miter gauge and fence rail to the right of the moulder belongs to a Yates American No. 1 Variety Saw Bench with boring attachment.
- NY-546-21 Levi Houston (American Wood Working Machine Co., after 1898) No. 2 Sash Dovetailing Machine, with sliding tables. With two upright mandrels carrying heavy saws and a coping head, one horizontal mandrel carrying a cutter head and two others with adjustable cutoff saws, the machine completes the tenon on check or meeting rails in a single operation and cuts material to required length.
- NY-546-22 Levi Houston (American Wood Working Machine Co., after 1898) No. 2 Sash Dovetailing Machine detail, showing horizontal mandrel with cutoff saws and upright mandrels with heavy saws and coping heads.



PHOTOGRAPH VIEW MAP - shop interior

Not to scale
Equipment is schematic