

## S P E C I F I C A T I O N S .

Of the works and materials required in the erection and completion of Stone and Frame Building on West Court Street, Hudson, N, Y, for Mr. John F. Brennen

### C A R P E N T E R   W O R K .

Timber: All timber not otherwise specified to be of good well seasoned white hemlock , free from shakes, knots and other defects, and as dry as the market affords. Timber for studding to be planed to one width. Sills to be 6in, X 8in, Plates 2in, X 6in, doubled and well spiked into ends of frame studs. Girts of Yellow Pine 1in, X 8in, gained into studs and well nailed. First and Second floor timbers 2in, X 10in, Attic floor 2in, X 9in, set 16in, centers, and doubled under all partitions, In each room and in halls on 1st and 2nd story form truss by springing in a timber on the flat between two other timbers. Headers for stairs to be of Yellow pine. Headers and trimmer beams to be doubled and framed with tusk tenons. Roof rafters 2in, X 8in, 18in, on centers. Hip and Valley rafters 2in, X 10in, Deck rafters 2in, X 10in, 18 in, centers. Rafters to have collar braces 2in, X 8in, well spiked to each pair of rafters and all necessary 4in, X 6in, supports under ridge, Hip and Valley rafters where directed. Ridge piece 2in X 10in, The 4in, X 6in, supports to rest on top of partitions. Frame studs all to be 2in, X 6in, 16in, centers. Posts 6in, X 8in,, Main partition studs 2in, X 6in, Partition studs 3in, X 4in, and 3in, X 6in, Plates to be doubled. Porch sills 3in, X 8in, cross sills 3in, X 8in, floor timbers 2in, X 8in, 18in, Centers. Ceiling

timbers 2in, X 8in, 18in, centers. Rafters 2in, X 8in, 18in, centers.

Bridging; Bridge the floor timbers 5 times through centers with 2in, X 2in, spruce peices , in cross bridging properly cut in between timbers and nail with two 10d wire nails in each end of each peice. Floor timbers to be bridged as soon as set in place and leveled up. (1)

Furring;- All outside brick and stone walls of first story and ceilings of first and second stories to be furred with 1in, X 2in, strips placed 12in. centers, vertically on sides and well spiked to plugging strips in joints of brick and stone work. and nailed with 10d, wire nails to floor timbers in a firm and substantial manner for lathing. Furr off the walls in dining room for China Closet, the height of circle from floor to be given.

Wood Lintles;- All openings of every kind in ~~brick or stone~~ stone work to have wooden lintles placed behind the stone or brick caps or arches, in no case less than 6in, thick by required length to gice proper bearings at each end. Lintels to taper at ends and to be wide enough to cover the thickness of walls. Furnish all bond timber and wood brick and centers for insertion in walls where necessary.

Sheathing;- Cover all sides of frame with tongueand grooved hemlock boards, not to exceed 8in, in width, nailed through each edge to every stud with 10d wire nails. Sheathing to be well seasoned and dry.

Lumber;- The Lumber to be of clear white pine, well seasoned and dry and smoothly finished for painting. Outside door sills in rear to be of 2in, oak.

Water-table to be of 1 1/4in, thick, and to have moulded cap  
Corner boards 1 1/4in, thick with return bead in angles.

Shingling;- The gables to be covered with first quality clear white  
pine shingles, 6in, wide; and laid 6in, to the weather, and  
to have rounded butts, and all laid close and made tight at  
angles, each shingle nailed with two nails.

Clapboarding:- Cover the sides with 1st, quality clear white pine  
Clapboards, 5in, wide, laid not over 4in, to the weather

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put on with 2 1/2in, wire nails, nails to set in with nail-set,  
and underlaid with Manahans Double Ply Sheathing Parchment,  
which also place under all shingles, casings, watertable, corner  
boards &c, so as to lap 6in, and make a tight job.

Cornice:- The Cornice to be built as shown on plans, with moldings,  
brackets &c, all as per Detail Drawings; Gutters to be formed  
in cornice as shown, properly inclined to leaders and connect-  
-d with same. The frieze to have Stereo Relief Ornaments.  
Stereo Relief work to be furnished by the owner put on by  
the Contractor.

Window Frames;- The Window frames to be made as shown, Cellar frames to  
be made with jambs of 1 1/2, pine with 1 1/4in, X 2 1/2 in,  
molded casings, sash 1 1/2in, thick, hinged at top with suit-  
-able fasteners to keep open or shut. All other frames to be  
box frames, fitted with pulleys, pockets etc., Sash for Attic  
to be 1 1/2in, thick. All other sash to be 2in, thick.  
Sash that are glazed with Plate and Art Glass to be hung with  
best Bronze metal Champion Sash chain, lead Sash wieghts to be  
used where necessary. All other sash to be hung with best braid-  
-ed (Cotton) sash cord and cast-iron sash weights. all sash to

have Bronze Sash locks, and Bronze sash lifts, two to each sash except third floor. The sash in circle window rear staircase, hall to be hung in center, swing outward at bottom and to have transom lift and lock, Also transom sash in bay window to be hung with butts and to have bronze transom lift and lock. All lower sash to have groove under the lower rail. All upper sash on third floor to be cut up in small lights as per detail or directed by the owner.

Glass;- All sash in front rooms 1st, and 2nd, floors to be glazed with 1st, quality Polished Plate Glass. The sash in Dining Room window to be glazed with Chambers Eagle brand 26 oz, crystal sheet glass. All other sash to be glazed with

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1st, quality double thick glass, and glass to be well puttied, tinned and back puttied. All Art glass in Front and Vestibule doors and Staircase windows to be furnished by the owner, and set by the Contractor.

Sash stops to be fastened with improved Bronze head screws and Bronze washers under screw heads.

Blinds;- All windows except windows in Library, Parlor, Dining Room and Hall windows and Attic windows to have outside blinds, 1 1/4in, thick, hung in two fold, with best cast-iron blind hinges and fasteners. Three hinges on each blind.

Door frames;- Rear outside door frames, jambs 1 1/2in, thick, rabbeted for door, Sill 2in, Oak.

Porches;- The front Porch and rear porch to be built as shown by the Detail drawings, Steps 1 1/2in, thick, risers 7/8in, to have cove under nosing, ( Front Porch will have Stone steps.)

Lay the floors with 1 1/4in,X 2 1/2in, white pine flooring tongued and grooved, blind nailed to beams, and to have white

lead in joints. Ceilings ceiled with narrow N. C. pine ceiling of even widths, and molded in the angles. Columns of Front Porch to have Carved caps and molded bases, and fluted, rails. Panels, Balustrade &c, all as per Detail Drawings. The frieze to have Stereo Relief Ornaments. Stereo Relief to be furnished by the Owner.

Roofs;- All Roofs to be covered with First quality 1in, tongued and grooved Hemlock Boards, not to exceed 8in, in width and nailed through each edge to every bearing with 10d, wire nails. Build Scuttle in deck roof and suitable fastenings to keep shut.

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Floors;- Lay the First floor throughout, with 1in, tongued and grooved good quality hemlock, laid diagonal of rooms . When plaster-ing is finished and dry cover all the floors with heavy felt sheathing paper and lay in Hall 1st, floor Dining Room, Library and Parlor, and platform of Front Stairs, 1in, tongued and grooved quartered Oak not to exceed 2 1/4in, in width, and blind nailed to every timber, and to have Ornamental Border of Oak, Cherry and Maple, to cost 45 cts, per lineal foot and to be selected by the owner. All other finished floors to be laid with 1in, tongued and grooved Norway pine 4 1/2in, wide, blind nailed to every bearing. All joints to be smoothed off even, Hardwood floors to be planed and scraped to perfectly smooth. Lay Attic floors throughout with 1in, tongued Spruce not to exceed 6in, in width, blind nailed and face nailed at each bearing. All finished floors to be 1st, quality clear kiln-dried material in every respect and made perfectly smooth

Lay kitchen and pantry floors with 1in, tongued and grooved

~~XXXXXX~~ Georgia pine, comb grained, kilndried, 1st quality flooring not to exceed 2 1/2in, face, blind nailed to every bearing.

Partitions;- Set Partitions as marked on plan to foot on girders, and to have 4in, X6in, and 4in, X4in, platesto carry second floor timbers, the main partitions to be built with 2in, X 6in, studs for hot air pipes to go up to second floor. All other partitions to be built with 3in, X 4in, studs, and all studs to be ~~XXXXXX~~.set 16 in, on centers. Door studs to be doubled. All partitions to be bridged once in their height, and all angles to be formed solid by spiking two studs together. Plates over bearing partitions where openings occur to be 10in, thick. Cut in long angle braces in partitions and out-side frame-work where practible, cut in barefoot. All openings in bearing partitions to be trussed over openings.

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Grounds;-Put, on grounds 3/4in, X 2in, for all casings, base and wain-scoting, the grounds to be put on with straight edge and lefton.

Doors and Vestibule;- The front and vestibule doors to be 2 1/4in, thick, veneered with 1/4in, Quartered Oak on pine centers, staved up out of 7/8in, white pine moldings to be worked in the solid. Panels to be flush molded, with raised panels worked on the solid, all as per detail. All the work in Vestibule. frames, sash &c, to be of kiln-dried oak, smoothly finished for oiling. The upper panels of doors in Vestibule, sash to be glazed with Art Glass furnished by the owner. The doors to be hung with 6in, X6in, bronze loose joint butts, steel pin, three butts to each door, and to have bronze flush bolts and

Yale front door mortice lock and latch with bronze knobs and furniture, furnished by the owner.

Sliding doors to be 2 1/4in, thick, 8ft, 6in, high, Veneered with 1/4in, Quartered Oak on pine centers. The sliding door from Hall to Parlor to be veneered with 1/4in, white pine on Parlor side. The panels to be flush molded with raised panels worked on the solid. The doors to be hung with Lane's Parlor door Hangers and track, and to have sliding door bronze face mortice lock, and bronze flush trimmings. Single doors from Hall to Dining Room, and Hall to Kitchen and in Dining Room and in Library to be veneered with same kind of wood as finish in rooms in which they show. Single doors to be 7ft, 6in, high, flush molded with raised panels, worked on the solid and to have bronze face mortice locks and bronze knobs and furniture.

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All other doors on first ~~XXX XXXXXX~~ floor to be 1 1/2in, thick flush molded, 7ft, 6in, high, hung with loose pin butts, 4 1/2 X 4 1/2in, three butts to each door and to have brass face mortice locks and bronze knobs and furniture. The doors to have white pine stiles and rails, and panels to match trim in rooms. The Veneered doors to be hung with 5in, X 5in, bronze butts three to each door. The doors on Second floor to be 1 1/2 in, thick, flush molded 7ft, 0in, high, hung with loose joint steel pin butts, 4 1/2 X 4 1/2in, and to have brass face mortice locks and bronze knobs and furniture. 3 butts to each door. The doors to have white pine stiles and rails, and N. C. Pine Panels. The door from Kitchen to Butlers Pantry to be hung with heavy double acting spring hinges. Cellar doors to be 1 1/2in, thick, 6ft, 8in, high, Ogee molded on the solid

hung with loose joint butts, and to have brass face mortice locks and imitation bronze knobs and furniture. Double doors to have flush bolts of proper length, top and bottom. Outside cellar steps to have batten doors hung to strong frame work, the doors to be hung with wrought iron hinges and good strong lock to fasten shut. The outside door to refrigerator to be hung with wrought iron hinges and good strong lock to fasten shut, and hook to fasten to ceiling of porch.

Stairs;-Main staircase to be built as shown on the floor plans in the best manner, to be properly supported, and rough bracketed to have 7/8in, risers, 1 1/2in, steps, tongued and grooved together, and housed into strings. Steps to have nosing with fillet and cove under, and the finished work to be put after plastering is finished and dry. Wall string to be 1 1/4in, Top edge molded to correspond with adjoining base. Front strings and landing facias to be finished with molded cap, worked and molded as per drawings. The front or wall string to be enclosed with panelled work from base to string, the panels to form door in hall to closet under stairs, the panels to be flush molded,

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Newels, Rails, Balusters & Panels to be as per detail. The hand rail to be closely bolted at joints, and to all posts, newels, &c, All to be properly and well secured. Newel 8 X 8in, in size Posts 6 X 6in, with turned tops and ceiling drops, Balusters 2in, turned. Rail 3 X 3 1/2in, double molded. The stair work, Newels, Posts, Rails and Balusters all to be of kiln-dried Quartered Oak.

Back stairs, cellar and Attic stairs to be built as shown, Steps 1 1/4in, thick, ~~XXXXX~~ risers 7/8in, thick, Steps and



risers to be housed into strings, the strings to be molded.  
Hang 2 1/4 X 2 1/4in, molded rail on side of stairs with cast  
iron rail brackets, Rail to be of Ash. Stairs to be of N. C.  
Pine, kiln-dried.

Note) Owner will furnish Tower Finial, and all Hardware except nails  
sash weights, sash cords, Blind Hinges, Sash frame pulleys,  
and Door hangers. Frame pulleys to match hardware in rooms.

rim;- All inside trim to be planed , scraped & sand-papered smooth  
before putting up.

Door and window casings in Parlor, Library, Dining Room and  
Hall to be 6in, wide, molded as per detail. Cabinet trim, and  
finished with extension cap on top and to have molded plinth  
block. Windows to have panelled backs under windows, molded  
to match doors, also the window on landing of stairs to be  
finished as above. Door jambs 1 1/2in, thick, rabbeted full  
thickness of door, Base 10 in, high molded with sub-base.  
Closet base 6in, high, plain . Windows in bay window second  
floor to have panel backs under. All other door and window  
casings to be 4 1/2in, wide with wall molding 1in, & cased  
with corner blocks. Window casings to finish to molded stool  
and apron. Door ~~XXX~~ casings to have molded plinth blocks.  
The Kitchen and Butlers pantry to be wainscoted 3ft, 6in,  
high, with 1/2in, yellow pine, and to have molded cap.

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Enclosed shelves in Butlers Pantry to have case of drawers,  
three high, with closet under counter shelf. The closet to be  
2ft, wide, to be enclosed with panelled doors hung with butts  
and to have good strong lock and bolts to fasten shut, to be  
5 shelves above counter shelf, enclosed with sash doors, 1 1/4

in, thick, hung with butts, glazed with double thick glass, first quality and to have strong lock and bolts to fasten shut. Drawers to be fitted with drawer pulls. Put sash 1ft, 6in, X 3ft. in partition back of enclosed shelves.

Sinks in pantry and kitchen to have splash 18in, high, with Drip boards complete. Closets to be fitted with shelves and 4in, molded strips on all sides, fitted with double wardrobe hooks not over 8in, apart, and hooks in bottom of shelves. ~~XXXX~~ Linen closet to be fitted with two cases of drawers, 4 drawers high, and four shelves 2 1/2ft, ~~XXXX~~ wide above drawers, in each end.

The china closet in corners of Dining room to be furnished by the owner, but to be set in place by the contractor and finished to match trim in room. Mantles to be furnished by the owner but set by the carpenter. Ice Closet for Refrigerator to be ceiled on ceiling and sides with 7/8in, matched pine & suitable finish in front.

Stops;- Insert hard-wood stops in base where requisite.

Door Bell:-Furnish and set in place where directed Electric gong bell with all necessary wires and battery, with bronze furniture at front door to match door knobs.

Cellar:- Put up two swing shelves in cellar where directed.

Materials:- The Library to be finished with kiln-dried Selected Sy camore. The Hall, ~~XXXXXX~~ Dining Room and Front stairs to be finished with kiln-dried selected Quartered Oak, smoothly finished for oiling. Parlor to be finished with clear kiln-dried first quality white pine, smoothly finished. ~~XXXX~~ Kitchen to be finished with clear kiln-dried yellow pine.

All other rooms throughout to be finished with kiln-dried clear white pine, smoothly finished for oiling. Bath-room to be finished with Cherry, kiln-dried, and wainscoted with 1/2in, matched and beaded cherry. ~~XXXXXXXXXXXX~~ 3ft. 6inX high, with neat molded cap. Doors to have white pine stiles and rails, with white pine panels.

All materials or labor. must be first class in every respect, And what ever is not satisfactory to the Superintendent of the work or owner, must be removed when ordered, & replaced by materials and labor satisfactory to said Superintendent or Owner. Any finishing work inside or out that is checked or cracked by nailing or otherwise must be removed.

Final;- Also do any other carpenter work as shown and furnish all materials required to carry out the design, and do all cutting for Plumbing work , gas papes Electric light work and Heater work and furnish all materials for Carpenter work for the same.

Materials:- Care must be taken in selecting the wood for the different rooms, so that the grain and color of wood will match in all natural wood finish, and no peicing out of moldings or base or casings will be allowed in any case.

Butler's Pantry Ceiling;- Put in extra ceiling timbers 2in, X 4in, below floor timbers as directed, the ceiling to be made in sections so as to be taken down and Plumbing work in Bath-room can be got at. The panels to be made of N. C. pine 1/2in, ceiling with 7/8in, rib, to form panels, and fastened to ceiling timbers with screws,

## P A I N T I N G   W O R K .

All outside wood and metal work and Stereo Relief will receive two coats of best linseed oil paint and color as directed. Putty stop all nail heads and other defects between first and second coats. Ceiling of front and rear porches to have the grain of the wood filled ~~WXXXXXXX~~ and finished with two coats of # 38 Preservative. All Oak and Sycamore wood work to be filled with Pratt and Lambert's dark or light paste filler, when set rub the filler off with Excelsior and finish with two coats of Pratt and Lambert's # 110 Cabinet Varnish, and finish with one coat of #38 Preservative, and rub down with pumice stone and oil.

Clean off all under coats with dry hair cloth or fine sand paper. Cherry work in Bath-room to be finished as above, but to have cherry stain mixed with filler. Front and Vestibule doors also Vestibule, the grain to be filled with dark paste filler, rub every particle of filler off with excelsior when set, and apply two coats of #38 preservative. Rub down last coat with pumice stone, and water and apply one coat of Pratt & Lambert's Spar finishing Varnish.

White pine work to be filled with Pratt & Lambert's light liquid wood filler. when dry to be lightly sand-papared and finish with two coats of Pratt & Lambert's #110 Cabinet Varnish.

Kitchen, Butler's Pantry and Bath Room to have finishing coat of Pratt and Lambert's Spar finishing Varnish.

Hard-wood floors to be filled & to have two coats of Boston Wax finish, properly applied and polished with weighted brush. Kitchen and Pantry floors to receive one coat of the

above finish. The Painter must see that all wood work is perfectly clean before filling. Putty up all nail heads and other defects, using care to match putty in all hard-wood finish, and to sand-paper smooth all work before applying

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second coat. All paint spots on stone work must be removed by Painter without injury to stone.

All Paint or varnish spots to be cleaned off glass , walls and floors at completion of work.

The sides and ceiling of Kitchen, Bath-Room and Pantry and all closets to receive two coats of pure lead and oil paint ~~and-one-coat-of-sinixing-of-glue~~

The owner is to have the right to change the Natural finish on second floor to painting , three coats of pure lead, oil, turpentine and color, in such tints as shall be desired.

Parlor will receive priming coat, of lead and oil, second coat mix the lead half and half, oil and turpentine, third coat of best French Zinc, mixed flat with turpentine only.

Fourth coat a little Zinc and clear ~~Damar-Varnish~~. Fifth coat less Zinc and clear ~~Damar-Varnish~~. Sand-paper between each coat and give plenty of time for each coat to dry.

All sash in rooms where Hard-wood is used to be grained to match wood-work and finished in same manner.

Tops and bottoms of all sash and of all doors to be finished same as faces.

All white lead to be the best pure white lead and pure Linseed oil to be used, for all work called for.

## T I N N I N G   &   S L A T I N G .

Tinning;-The deck Roof and the roof of front and rear porch to be covered with M. F. brand of Roofing tin, sheets to be I C Thickness, 14 X20in, in size, flat seam.The seams to be soldered with half and half solder, rosin being used for flux. Roof flashed up at sides.

For gutters the same brand of tin roofing plate as above is

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to be used in I X thickness. The tin to extend up under slate not less than 8in. Bring the tin over the face of cornice and tack it down smoothly.

The tin to be underlaid with best quality rosin sized sheathing paper, laid to lap at least two inches, cleats to be used every five inches, using two barbed wire nails, #12 X 1in, in nailing each cleat to the boards.

The tin to be painted with Princes metallic paint, mixed with pure linseed oil, one half boiled, one half raw, on under surface before laying. Immediately after tin roof and gutters is laid carefully clean off all dirt &c.

Leaders;-Put up where shown by owner the necessary number of four inch corrugated galvanized iron leaders with all necessary curves, bends, brakes &c, to convey the water from the gutters to grade level, and there connect with the drain pipe in the ground. The leaders to be fastened to building with gal. iron hold-fasts & wire guards in gutters.

Flashing;-Furnish the carpenter all necessary painted tin flashing to enable him to flash all outside wood-work, casings, shingle work, wood cant boards, window caps &c. to make perfect and thoroughly tight work.

Slating:- Cover the roof of main building and tower, dormer frames sides of dormers, and bay windows, and roof of Dining room extension with the best selected Old Bangor Black slate, 8 X 16in, in size, laid with a lap of at least three inches of the third over the first. The slates to be properly trimmed and drilled, each slate to be nailed with two gal, nails. All nail holes to be covered up. The slates at hips, valleys, eaves and heading course to be cut so that their bond will be uniform and bedded in slaters cement. All top ends of slate and upper course of slate under ridge covering to be firmly bedded in slaters cement.

Felting;- Previous to laying slate cover all roofs with heavy tarred felt paper carefully stretched, lapped and tacked on.

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Flashing;- Do all necessary flashing as required around all dormers, angles of tower, side walls and other places, requiring flashing with M. F. tin of full width and properly placed and secured in position. Step flashing all parts as are necessary and cap same where exposed in like manner to chimneys. Flash all hips and valleys with M. F. tin of full width, that in valleys to be 20 in, wide, and cover rolls and ridges with galvanized iron rolls and apron. The apron to be not less than 6in, wide, fastened one inch X6in, strips on sides below roll, to nail lower edge of apron on. Finial on tower to be of galvanized and wrought iron, gilded with gold leaf, furnished by the owner.

At the close of the work carefully examine and perfectly make good the whole of slate roof or other work mentioned under the head of slating, and warrant the work and keep

same in repair for a period not exceeding two years from  
time of completion.

The ridge of roof of main building to have galvanized iron  
Finial, selected by the owner.

(Written in script in diagonal ex-  
tending upwards from center bottom  
of page to right-hand margin just  
below last typewritten line:)

This specification is the one referred to  
in contract made this 13th day of August 1894

George (illegible) John F. Brennen

Witness

H.S. Moul and Co.



PLUMBING WORK.

Furnish all materials and perform all labor requisite and necessary for putting up and completing all the plumbing work for Stone and frame dwelling on West Court Street, Hudson N. Y. for Mr. John F. Brennen, as shown on plans and called for in these particulars. in a good thoroughly workmanlike manner.

Water Supply:- Tap and pay for tapping main in Street and connect. and from this point lay one half inch AAA lead pipe to supply the different works, and place a 1/2in, round way lever handle stop cock on front inside cellar wall to shut off ~~wh~~ when necessary. Also place on outside where directed, hose bibbs with all necessary connections.

Front of house will be located 50ft, back from street line

Drains:- All drain pipe to be of best quality extra heavy Cast Iron rim pipe, of sizes as marked on plan, and to be connected tightly with vitrified tile, five feet from building. These pipes to be properly graded and trapped and joints caulked with oakum and leaded tight.

The roof leaders and all necessary waste and soil pipes of the the building to be connected.

Iron Soils and Waste:- Connect with Cast Iron Drain in Cellar 4in, cast iron pipe, to continue up to second floor and extend up above roof 2ft, and cap with Ventilating Hood, Run the required pipe of 4in, cast iron for connecting roof leaders in cellar, and extend 2ft, above grade, Place a running trap in main drain outside the building as shown on plan, and 4in, Cast iron vent pipe from trap to grade and cap with Ventilating Hood. All cast iron pipes to be properly suppli-

-ed and secured with large iron hooks, braces or hangers, and to have a coat of tar, All joints to be caulked with oakum and run with molten lead.

Before any plastering is done the contractor is to plug up all openings of waste and vent pipes, fill with water from highest point, leave for one day, so that the Superintendent (next page)

can see that all are gas and water tight.

Should any leak appear it must be made tight.

Water Closet:- Furnish and fit up i Bath Room, one Nautilus Syphon Water Closet Company's Embossed Nautilus Closet with seat and lid hinged to bowl, Panelled tank, Nickel plated tank rests, pull and chain, nickel plated flush and supply, Nickel plated stay and buffer, brass floor flange, bolts and gasket with local vent coupling, supplied with water through 1/2in, galvanized iron pipe, supply to have brass stop cock. Soil pipe 4in, cast iron. Seat and lid and tank of Cherry. All exposed pipes in Bath-room to be nickle plated.

Bath-tub:- Furnish and fit up in bath-room Peck's porcelain lined iron Bath-tub, Roman pattern, #150 , Hard wood rim, with bi-transit waste and overflow, compression cocks and bell supply, nickle plated tops, bell and grate, supplied with hot and cold water through 1/2in, gal, iron pipe. Waste 2in, lead, trapped.

Wash basin:- Furnish and fit up in Bath Room Peck's Improved Lavatory #3 with 1 1/4in, Italian Marble Slab 33 X 22in, with 12in, back, 5in, front and side curtain, #4 legs, #6 Peck's Improved Basin Cocks with ivory handles, #4 Supply pipes, bi-transit waste an over-flow, #3 trap and 15 X 19in,

Basin, supplied with hot and cold water through 1/2in, gal. iron pipe. Waste 1 1/2in, lead.

Butler's Sink:- Fit up in perfect working order in Butler's Pantry as shown on plan , one 16 X24in, Planished copper sink, set in Italian Marble slab, countersunk top and molded edges, sur-base 12in, high, supplied with hot and cold water through 1/2in, gal. iron pipe and 1/2in, upright pantry cocks, to have 1 1/2in, lead waste with 1 1/2in, bottle trap all complete.

Kitchen Sink:- Furnish and fit up in Kitchen one Peck's white Crockery Kitchen Sink #4 , 20 X26in, with 12in, Marble back, ( or to hight of wainscoting,) with gal. iron legs supplied with (next page)  
hot and cold water through 1/2in, gal. iron pipe and 1/2in, finished brass compression bibb cocks, with flanges and thimbles. Waste 2in, cast iron, joints caulked and leaded waste to have improved bottle trap complete.

Wash-tub:- Furnish and fit up in Laundry one set of white Crockery Laundry Trays, Pattern #3 Fig. X, 44 Peck Bros. & Co. Catalogue as shown,galvanized iron standards, Ash rim, nickle plated over-flow and plug, and Peck's Improved Nickle Plated tray bibbs, supplied with hot and cold water,through 1/2in, gal iron pipe. Waste 2in, lead, trapped.

Boiler:- Furnish and set up on Cast Iron copper bronzed standard, One 50 gal. Patent Brown's seamless Copper range Boiler supplied with water through 1/2in , gal, iron pipe and connected with water back of range through 3/4in, brass couplings, to have 3/4in, sediment pipe and cock. this pipe to connect with nearest waste trap so as to cleanse

boiler. Also place 1/2 in. stop cock on supply pipe where required.

(next page)

~~Brace-1/2"-stop-cock-on-supply-pipe.~~

There must be 1/2" gal. Iron pipe, connected to hot water pipe at highest point and to run down below boiler, and there connected to sediment pipe inside sediment cock, for the purpose of keeping up continued circulation of hot Water.

#### Gas Piping.

Use best Wrought Iron Gas Piping of the various sizes required. The mains to be run as direct as possible, and so graded that water gathering in pipes can be run out at point near meter.

No pipes to be less than 3/8" for fixture connections and larger for any chandelier having over four burners.

Secure all piping in place with iron holdfasts, and secure drop and other outlets with gal. iron straps and screws. The pipes to be run to supply burners where indicated by checks thus , for side lights and drop lights thus on plan, and should the check be omitted in any room or hall, it must be supplied as directed by Superintendent. The side wall bracket connections to be arranged so as to project from finished wall the proper distance for same, and pipe ends for drop lights to hang and set perfectly straight and plumb.

The Gas pipes to be put in as required. Put the joint together in red lead, all pipes to be capped, proven tight, and caps left on. Provide all necessary shut off and ~~Alcohol~~ Alcohol cocks, and make perfect job.

The gas piper must not cut any timbers. This will be done by

the Carpenter. Timbers not to be cut except where strictly necessary. No timber to be cut through center, but may be close to bearings.