HISTORICAL FILE
Trade-Mark Protection
1938

PLAINTIFF'S EXHIBIT
USG-1173

DIRECTIONS FOR APPLYING
USG ASBESTOS CEMENT SIDING SHINGLES

WAVY BUTT SHINGLES No. 600
CLAPBOARD No. 950

BEST RESULTS We have provided you with a most attractive and durable shingle, so that you and your customers will have pride and lasting satisfaction in the finished job. **PLEASE OBSERVE THESE PRECAUTIONS:** *Store the shingles in a perfectly dry place, preferably in a building. If impossible to store inside, you must pile the shingles on edge on planks at least 4" from the ground, and protect them carefully with a waterproof covering. Moisture getting between the shingles in bundles may cause discoloration.*

Never apply over wet, frosty, or ice covered walls, or in wet weather.

It is recommended when leaving a job at night that the top unfinished course be temporarily flashed with asphalt roofing paper to prevent rain running down behind the shingles before the job is finished.

The special face nails furnished with the shingles should be used for all exposed nailing.

These shingles are for application on vertical side walls only, and must not be used on roof surfaces.

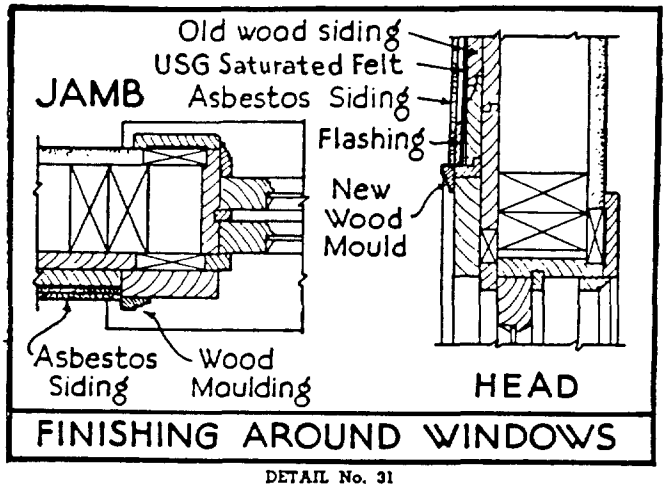
PREPARATION OF WALLS The wall surfaces to be covered should be made as smooth and even as possible. All warped and irregular boards must be firmly nailed in place. If old shingles or clapboards have thick butts and large exposure, it is necessary to apply bevel wood nailing strips, running horizontally, or lath of sufficient thickness to bring the surface out in line with the vertical of the wall. These nailing strips should be on 10½" centers for No. 600 and 950.

Where applying Asbestos Shingles over old brick or stone walls, horizontal nailing strips should be similarly spaced.

For applying over old stucco, the best practice is to remove the old stucco, nailing the shingles to the wood sheathing. Where the stucco is in good condition, however, wood nailing strips may be used as for brick walls.

To assist in preventing air infiltration and to provide a suitable even surface upon which to nail the shingles, the walls should preferably be covered with a layer of USG Asphalt Felt before applying the shingles.

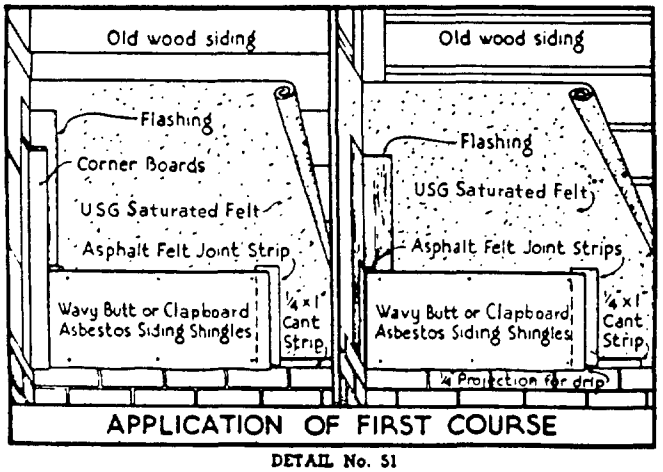
MOULDING Where the use of Asbestos Cement Siding Shingles over old siding brings the wall surface out beyond the old door and window frames, new wood moulding should be installed to cover the exposed edges of the siding shingles. Adequate flashing should be used over all window and door openings, and a suitable water table or drip edge provided along the base and under all openings. See detail No. 31.



DETAIL No. 31

OUTSIDE AND INSIDE CORNERS Several methods of finishing corner joints may be used. Shingles may be butted against existing corner boards, or new corner boards installed. Bull Nose corner bead, or other metal corners are sometimes used. Many outside corners are formed by weaving or "lacing" alternate courses of shingles, lining up the edges of corner shingles at each course with the faces of the two walls alternately, so a single line will not be formed. When this is done, edges should be brought down to a close fit with a rasp. See detail No. 52.

Both inside and outside corners should be flashed with heavy asphalt felt or metal flashing strips to provide a true corner and additional weather protection. See details No. 51 and No. 52.



DETAIL No. 51

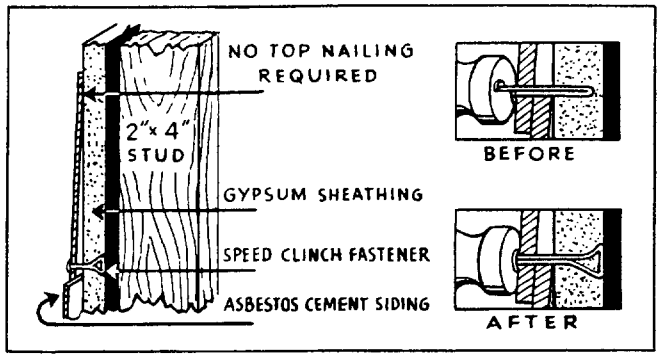
CAULKING All door and window frames should be adequately caulked with USG Asbestos Caulking Cement applied with a pressure gun.

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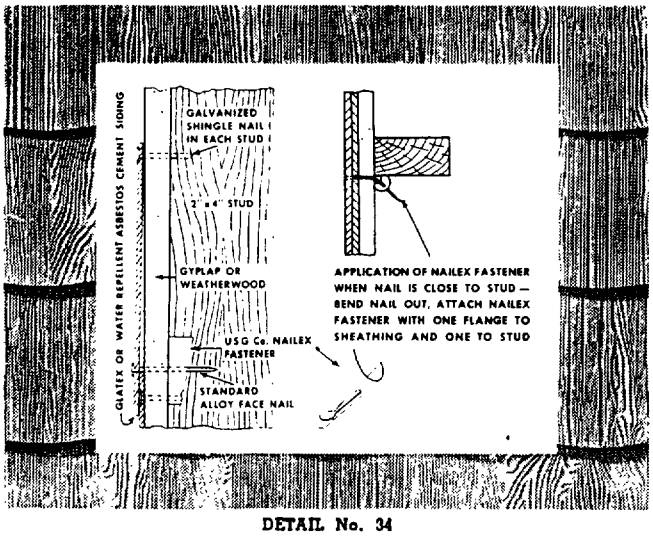
CUTTING AND PUNCHING USG Asbestos Cement Siding Shingles are furnished die cut, with clean, sharp edges. Where it is necessary to cut shingles on the job, both for the sake of a finished job, and because it is quicker, it is recommended that an asbestos shingle cutter be used. It is in fact almost indispensable. Such shingle cutters with a 27½" or 32" blade are regularly provided with a punch for punching holes for concealed nails, and a notching device for cutting irregular shapes to fit around window sills. These cutters can be easily obtained from our dealers.

Where shingle cutters are not available, shingles may be scored with a sharp instrument, and snapped over a straight edge.

OVER GYPSUM BOARD SHEATHING When applying USG Asbestos Cement Shingles over this type of sheathing, the Speed Clinch Fastener System is recommended. See detail No. 32.



OVER FIBER BOARD SHEATHING The shingles can be attached by means of the Nailex clip system. See detail No. 34.

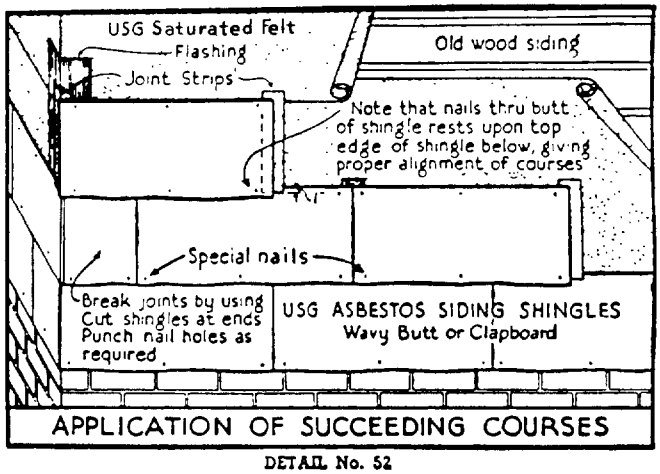


DETAIL No. 34

FIRST COURSE Apply ¼" x 1" cant strip or wood furring strip along the bottom of the wall. Snap a level chalk line 11¾" above the bottom of this cant strip. Shingles in the first course should be laid with the top edge along this chalk line, thus insuring a straight level base line, and permitting the shingle to overhang the cant strip ¼", forming a proper drip edge. Apply a joint strip folded vertically at the corner. See detail No. 51. Start the application of the first course with a full size shingle, extending the butt ¼" below the cant strip to form a drip edge. Secure the shingle by nailing the first and middle galvanized nails at the head of the shingle, being careful that the top of the shingle runs true to the chalk line. Drive the nails snugly, but do not drive them home. Before nailing at the opposite end insert a joint strip beneath the shingle so that the strip centers under the vertical joint of this shingle and the next shingle to be laid. Securely nail the third galvanized nail in the shingle and continue application of subsequent shingles in a similar manner, placing an asphalt joint strip under each joint.

Butts of shingles are to be secured with special face nails, driven through the holes provided. These special face nails have small heads that will not show up prominently, and are made to the exact size of the holes.

It is important in nailing at both top and bottom that you nail across the shingle—never nail both ends and then the center.



DETAIL No. 52

SECOND AND SUCCEEDING COURSES Apply a folded joint strip at the corner as in the first course, providing a one inch lap of the strip over the first course shingle. See detail No. 52. Cut a full size shingle to provide for staggered joint application. Always use two holes in the head and two holes in the butt of any piece of shingle, punching new holes if necessary. **Note:** Shingles can be aligned for proper exposure by inserting two nails in the holes at the butt of the shingle allowing the inserted nails to rest upon the top of the underlying shingle. Upper nails are then driven as before being careful to insert a joint strip at each vertical joint as before described with the end coming one inch down over the lower course. Continue application with full size shingles, being careful to make tight joints.

Complete succeeding courses as described, breaking vertical joints in alternating courses.

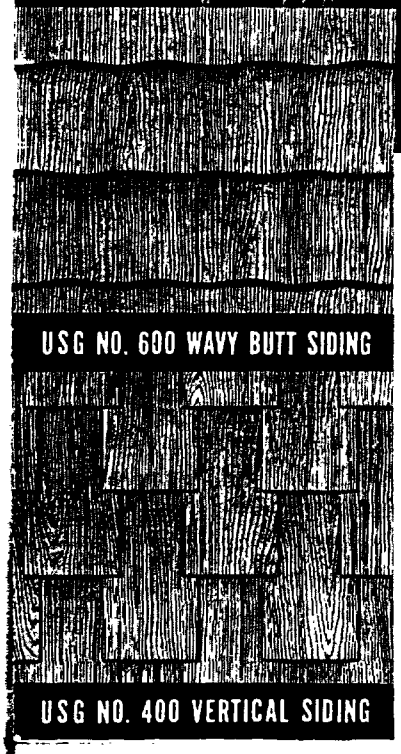
Where galvanized nails are exposed as under windows, apply additional wood moulding to cover same.

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UNITED STATES GYPSUM COMPANY

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Note the remarkable improvement that has been made in the above home by covering the exterior walls with U S G No. 600 Wavy Butt Siding.

A Permanent Improvement

The houses illustrated are typical examples of what can be done with U S G Asbestos Cement Siding. The shabby appearance of the old walls will disappear as if by magic, your home will have new beauty on the outside, and there will be greater comfort within. Put on right over the old siding, U S G Asbestos Cement Siding will provide durable, safe walls that help to keep your home cooler in summer and warmer in winter. Lower fuel costs during the winter will result in a considerable saving on your heating bills.

Fireproof

U S G Asbestos Cement Siding is made of selected asbestos fibers and Portland Cement, non-combustible materials that greatly increase the fire resisting quality of your home.

Never Requires Paint

U S G Asbestos Cement Siding is practically indestructible and no expense is necessary to keep it serviceable. Its colors are non-fading and never require paint.

Sign and return the card below; you'll be surprised at the low cost of this beautiful, modern siding.

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THIS CARD WILL BRING YOU FULL DETAILS

Please send me full information about U S G Asbestos Cement Siding for my home and an estimate of the cost. I understand that this places me under no obligation whatsoever.

NAME_____

ADDRESS_____

CITY_____ STATE_____

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