

Drywall

FIRST FORUM OF THE DRYWALL INDUSTRY

AGE

ISSUE 3 • 1957

new back-blocking system

FOR HORIZONTAL SIDEWALL JOINTS

The success-proven system of back-blocking drywall jobs has been extended to include long horizontal joints on sidewalls. The method, newly developed by United States Gypsum Company, supplements procedures previously suggested, and widely adopted by drywall applicators, for back-blocking ceiling joints and vertical joints on sidewalls.

Back-blocking has been determined to be the most effective method of minimizing possibilities of ridging and other joint difficulties on single-layer application of wallboard.

Further information is available from local United States Gypsum sales representatives or from the district office nearest you.

Back-blocking is a system developed and patented by United States Gypsum Company for the benefit of the industry.



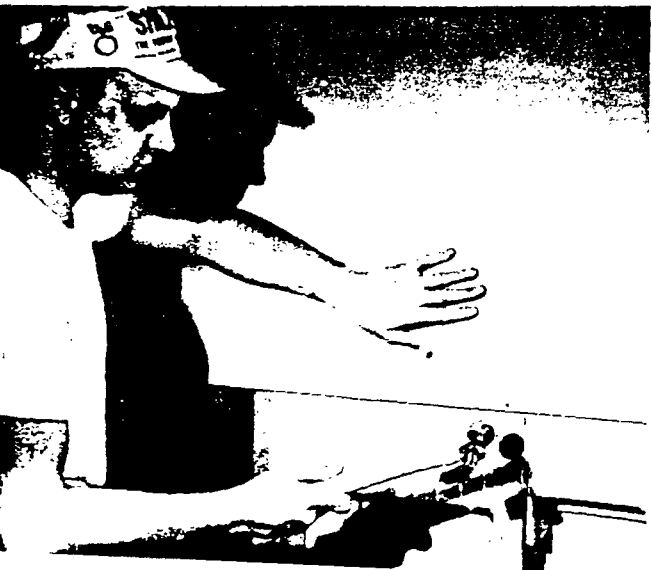
SCABS of scrap SHEET-ROCK wallboard are nailed to studs to position backing blocks. They should be centered on the stud width to put the backing block surface precisely flush with the stud face when it is toenailed in place, as is being done here.

PERF-A-TAPE cement is applied to the backing block with a notched spreader blade.



SHEETROCK wallboard is then nailed to the framing in the usual manner, the backing blocks having been positioned to bridge the long horizontal joint between the panels. They equalize the finished surface joint treatment, and give the joint firmness that resists ridging.

A FINISHED-ONE-SIDE-only partition can be back-blocked from behind after the wallboard has been erected. These backing blocks, with adhesive already applied, are toenailed behind joints.



Super-strength SHEETROCK expands r

PROVES THE ECONOMY OF THICKER W

Opportunity for higher volume was presented to the nation's drywall contractors recently when United States Gypsum made its $\frac{5}{8}$ -in. SHEETROCK wallboard available in all areas. With the thicker board, drywall contractors can offer the best single-layer construction at only a slight premium cost.

Tom Lively's Centex Construction Co., currently the largest residential builder in the U. S., was one of the first to adopt the thicker regular-core board. Centex made the switch on the basis of economy as well as quality, for the company had been applying $\frac{1}{2}$ -in. board to 1x4 furring strips attached to trusses spaced 20 in. o.c. The furring strips were considered necessary to support the overhead insulation.

By converting to $\frac{5}{8}$ -in. SHEETROCK on the ceilings, Centex was able to completely eliminate the furring strips and increase truss spacing to 24 inches, saving one truss out of six. This saved 300 bd. ft. per house in furring alone—made possible by the board's 25 percent greater thickness and its

increased bracing strength and tion. And, E. L. Higgins, Co reported still another saving f construction: callbacks for repa

Centex has realized benefits more than 2,500 houses built. these benefits are available to a ard framing practices, the extra wallboard allows all studs and in.—an appreciable saving in bet sound transmission and higher sales qualities which are pointed

These advantages add up to drywall contractors to win new to promote the $\frac{5}{8}$ -in. SHEETRO that is as logical as was the ste $\frac{1}{2}$ -in. board. They also will re

$\frac{5}{8}$ -in. SHEETROCK WALLBOARD stacked and ready for application in a Centex house, has the same composition as regular SHEETROCK. The only difference is in the extra thickness which contributes to the superior strength of the board. Notice that board does not bend or sag as it is pulled away from the stack.



ROOF TRUSSES, and all other framing, may be placed 24 in. o.c. when $\frac{5}{8}$ is used as the surfacing material. Now Centex, in converting from 20-in. to requires only five trusses where six formerly were used. The $\frac{5}{8}$ -in. SHEETRO the wool batt insulation easily without further bracing.



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arket...

LLBOARD

sistance to lateral distortion construction director. in this simplified form of s dropped sharply.

om the stronger board in the past year—and now builders. Even with stand-length of $5\frac{3}{8}$ -in. SHEETROCK lists to be centered at 24 labor and lumber. Reduced impact resistance are other at by drywall contractors. excellent opportunity for business. Those who begin will be leaders in a trendy transition from $3\frac{3}{8}$ -in. to the greatest rewards.

KEY MEN who directed the first residential use of $\frac{5}{8}$ -in. SHEETROCK wallboard were Centex president Tom Lively (right) and Osborne Fernald, director of purchasing. Vice-president E. L. Higgins (not shown) also helped instigate adoption of this system.

RECOMMENDED NAIL for $\frac{5}{8}$ -in. SHEETROCK is the $1\frac{1}{2}$ -in. annular-ring type for either conventional spacing or double-nailing attachment. Conventional spacing is 7 in. on ceilings and 8 in. on side-walls. For double-nailing, proper spacing requires two nails spaced two inches apart at 12-in. intervals.

SHEETROCK
1-in. spacing,
also carries

SCORING AND SNAPPING of $\frac{5}{8}$ -in. SHEETROCK gypsum wallboard is just as easily done as with thinner wallboards, according to mechanics who have worked with both types.



ALTHOUGH THICKER, the $\frac{5}{8}$ -in. SHEETROCK can be handled as easily as the lighter boards. One of the men shown here lifting a 12-ft. panel commented that $\frac{5}{8}$ -in. board was actually easier to handle because it is more rigid. It is available in standard 8, 10 and 12-ft. lengths.

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NOTICE: The following trademarks are owned and/or registered in the U.S. Patent Office by the United States Gypsum Company, and are used in this magazine to designate products manufactured by that company: SHEETROCK (gypsum wallboard), PERF-A-TAPE (joint reinforcement), SHEETROCK Brand (adhesive).



A-73

BAZOOKA-TYPE GUN CONTROLS

adhesive application

Immediately after United States Gypsum put its SHEETROCK Brand Adhesive into national distribution, the Ames brothers, taping-tool manufacturers and longtime advocates of adhesive-drywall construction, unveiled a new bazooka-type gun for mastic application to framing. According to the first drywall contractors to use the tool, it offers advantages over the commonly used caulking gun.

Developed and perfected over an 11-year period, the Ames adhesive gun consists of a special automatic feed system coupled with a guide wheel which lays down an adhesive ribbon of just the right size in the exact center of the stud or joist face.

The length and capacity of the new tool are other advantages. Its long tube-handle often makes it possible to eliminate scaffolding when working on ceilings, and reduces the usual back-racking stretching of overhead work. And, the 5-pint capacity coupled with the large-volume loading pump, also developed by Ames, reduces time spent in refilling the dispenser.

Complete information on the new tool is available from Belmont Mfg. Co., 505 O'Neill Ave., Belmont, Calif.



OVERHEAD WORK on ceilings is accomplished with minimum effort when the long-handled Ames tool is used. It not only cuts fatigue but assures a more uniform application of the adhesive on the joist faces.

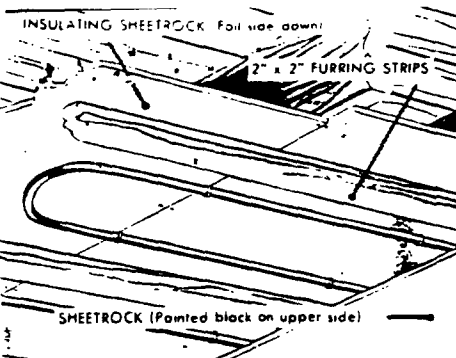
AUTOMATIC FEEDING system of the Ames tool leaves a uniform bead unlike hand-triggered caulking guns. A guide wheel running along the inside face of the stud centers the bead.



LOADING TIME is reduced by the special large-volume pump especially designed by the Ames brothers for the new adhesive "bazooka". When a plunger touches his left hand, the workman knows the gun is loaded to capacity.



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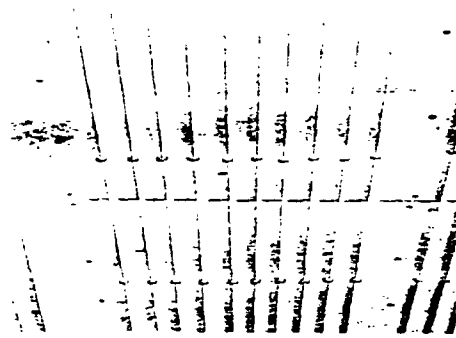
WITH GYPSUM DRYWALL construction it is recommended that heating tubes be nailed to joists over insulating wallboard (foil side down) with 2x2 furring strips paralleling the tubes. Regular wallboard is nailed to the furring strips and becomes the actual ceiling of the room.

Drywall

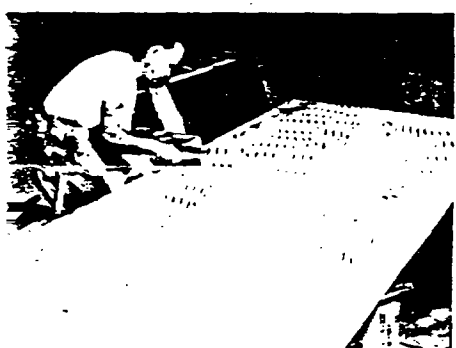
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what we know about **RADIANT HEAT AND DRYWALL**



WIRES ARE STAPLED to the SHEETROCK wallboard at spacing of from 1 1/2 to 2 1/2 in. depending on heat requirements specified by the engineer.



CEMENT IS APPLIED to face layer wallboard to a thickness of 1/4 in. While still wet, face board is then applied and nailed to the joists.



ONLY THAT THICKNESS of SHEETROCK wallboard should be used on which the radiant heating engineer has based his design. Use of a thicker board may cause failure of the system to produce sufficient warmth throughout the room.

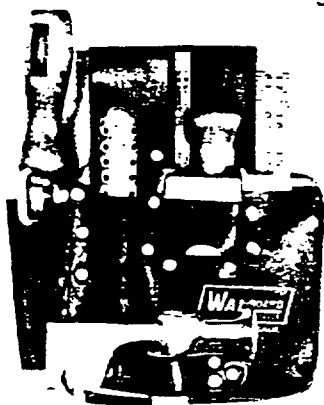
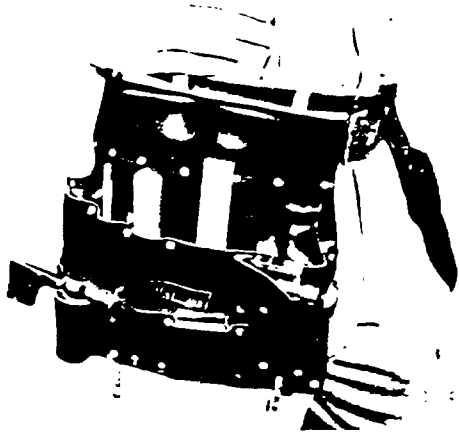
IT'S THE "next best thing to the sun". That's what radiant heating people say about their systems for both residential and commercial heating. Cleanliness, uniformity of heat, absence of drafts and decorative freedom are just a few of radiant heating's advantages. To obtain these benefits, the system must be carefully designed and specifications closely followed.

Drywall contractors are well advised to let all phases of the design of a radiant panel heating system rest with the heating engineer, including drywall specifications. The drywall contractor need only be certain that maximum surface temperature of wallboard is no greater than 115 degrees.

With a hot water system, insulating SHEETROCK wallboard is nailed parallel to the joists, with the aluminum foil facing downward to act as a reflector above the heating coils. Dry, seasoned 2x2 furring strips support a face layer of regular SHEETROCK which conceals the pipe.

Hundreds of electric radiant heating systems have been installed with drywall construction. The installation method most widely used is that of stapling heating cable to the foil surface of insulating SHEETROCK wallboard which has been nailed to the ceiling joists with the foil facing down. PERF-A-TAPE cement is applied about 1/4 in. thick to the back of the face layer of wallboard, which is then nailed in place over the wires. Electric heating cable is about 1/8 in. in diameter, and is thus embedded and sandwiched between the two layers of wallboard.

The embedding carries away and distributes heat more rapidly, minimizing the danger of excessive heat build-ups. A temperature of about 115 degrees is nearly sufficient to cause calcination of the gypsum in the wallboard. It is advisable not to operate the heating system until after taping and finishing of ceiling joints is completed and cement has thoroughly dried. Although the "experts" declare that they still have much to learn about radiant heat in drywall jobs, carefully installed systems have been bringing great satisfaction to a multitude of customers for a number of years. With new recommendations soon to be released, satisfactory job results will become more certain.

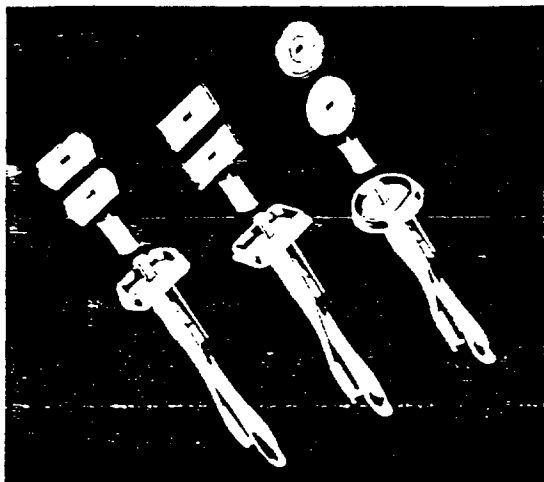


COPPER-RIVETED leather tool pouch is small and compact, yet holds every tool needed for wallboard application. Comfortable to wear, this 8x9 1/2-in. pouch keeps tools handy and convenient to the user. It contains a rule holder, pencil holder, hook knife scabbard, deep saw sheath, all-round circle cutter and hammer. It is available from Wallboard Tool & Equipment Co., 1708 Seabright Ave., Long Beach 13, Calif.

for Drywall application

AN ALBUM OF TIME AND C

FOR BIG JOBS or small ones, new wallboard has been developed to ease the mechanics' task. However, and the value of such mechanical aids is in most cases, use of these devices has resulted in complete a job as to fully justify their cost.



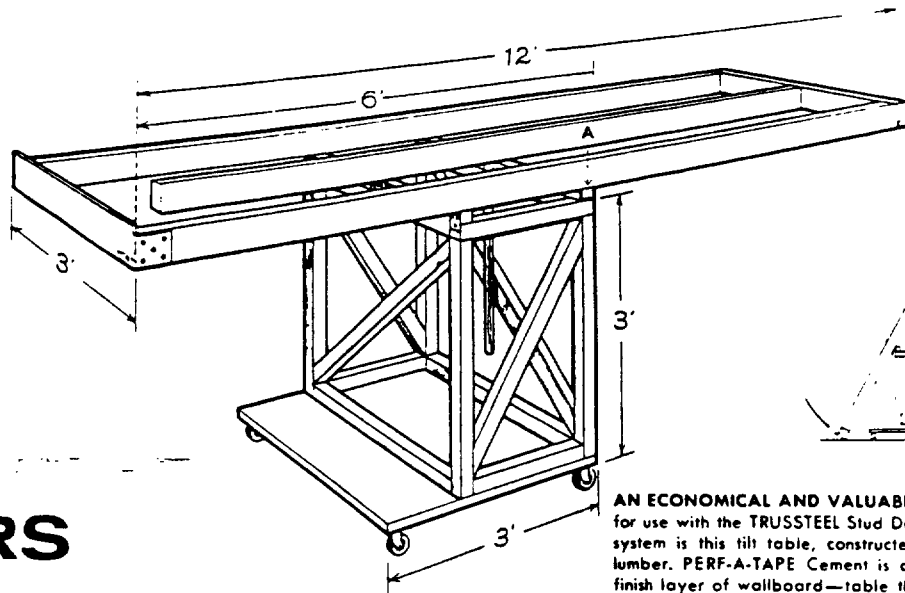
A TOOL WHICH CUTS switch box holes neatly and quickly in drywall comes with cutting heads (left) for 2x3, 2x4, or 4-in. round switchbox openings. By use of cutting dies, the tool eliminates patching of irregular holes cut by conventional methods, since it breaks away no excess drywall, does not split the back side of the sheet nor damage the paper facing on either side. Details are available from Hartmeister, 2020 W. Barberrry Pl., Denver 4, Colo.



on . . .

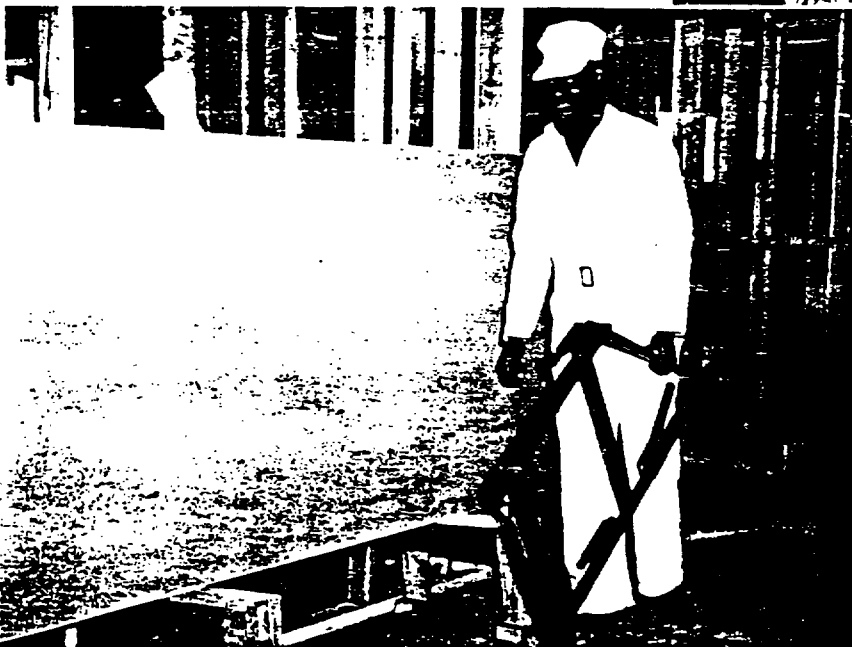
COST-SAVERS

Handling and application devices have
There is a wide range of prices, how-
relative to the needs of the user. In
such savings of time required to com-



AN ECONOMICAL AND VALUABLE DEVICE
for use with the TRUSSTEEL Stud Double-wall
system is this tilt table, constructed of 2x4
lumber. PERF-A-TAPE Cement is applied to
finish layer of wallboard—table then tilts to
vertical position for placing board on wall.
Cross piece marked "A" is loose to act as a
stiffener when tilting the wallboard into place.
A dowel is used to hold the tilt table upright
while placing the board.

A WHEELED DEVICE permits movement of wallboard from truck to
job-site in half the time required by the old strong-arm method. Moving
board with Verti-Roll eliminates need for a third man: two men can
handle two bundles of any length and thickness at one time. The unit
consists of two steel clamping devices (right), each mounted on a wheel
for each end of the bundle. Weighing but 30 pounds and measuring
27x25 in., Verti-Rolls are easily hauled from job to job. Tests run with
the device indicate that board can be handled with twice the speed and
with far greater ease than with former methods. Further information is
available from Palmer Industries, 846 W. 56th St., Indianapolis 8, Ind.



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SHEETROCK (gypsum wallboard), PERF-A-TAPE (joint re-
inforcement); SHEETROCK Brand (adhesive) TRUSSTEEL
(metal studs).



**DRYWALL CONTRACTORS TO MEET
JAN. 16-17 IN CHICAGO**



WAYNE VAUGHN, right, president, and SHERWOOD SITZ, executive secretary, will open Convention at Sherman Hotel, Jan. 16.

**FIRST NATIONAL CONVENTION
OF
DRYWALL CONTRACTORS
SHERMAN HOTEL
CHICAGO, ILLINOIS
JANUARY 16-17, 1958**

PROGRAM

THURSDAY, JAN. 16

Morning: Business meeting to outline past year's activities of the Association.
Afternoon: Shop talk meeting dealing with application and technical problems.

FRIDAY, JAN. 17

Morning: Business meeting. Election of officers and directors.
Afternoon: Forum discussion for exchange of general information.
Evening: Banquet. Short addresses by industry leaders and top union officials.

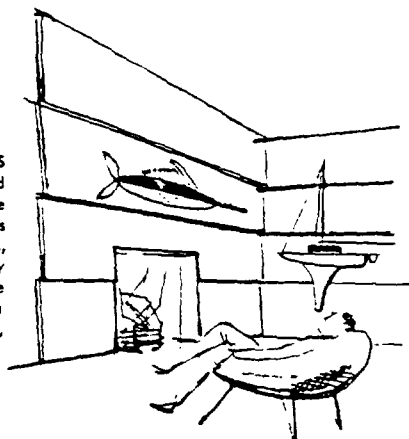
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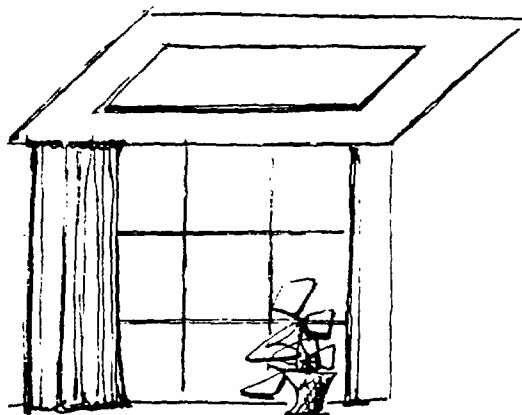
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WALLBOARD PANELS can be cut and lapped to make a "clinker" type wall, fine for playrooms or family rooms. Panels, with joints exposed, may be painted in alternate shades of color to form a background for trophies, other ornamentation.

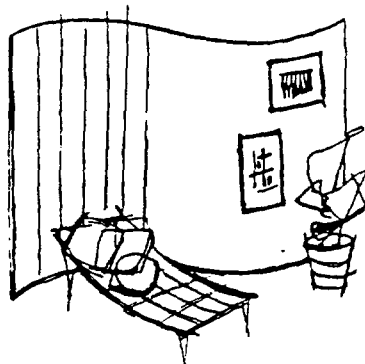


when competition is keen, suggest a . . .
DECORATIVE USE FOR WALLBOARD



A CUSTOM-MADE RECESSED CEILING gives rooms the appearance of greater height. Strips of wallboard go right over the ceiling to form a raised border, which, painted a darker tone of the ceiling color, visually accentuates the recess.

ADDED SPACE developed with SHEET-ROCK and decorated, in new building and remarkable effects can be achieved. Used with imagination on ceilings or walls, this versatile board can emphasize, conceal, raise, lower or beautify for nominal cost. Develop a few of these ideas and suggest them when you are asked to bid your next job. When competition is keen, a fresh idea can tip the scales of customer preference in your favor and add to the size of the ticket.



TOO-HIGH ROOMS can be cut down to size by installing a dropped ceiling (above) to re-scale old-fashioned rooms and bring them up to date. Or wallboard can be formed into sweeping curves (left) for unusual fireplace walls or stairwells. Virtually any contour can be achieved with wallboard.

