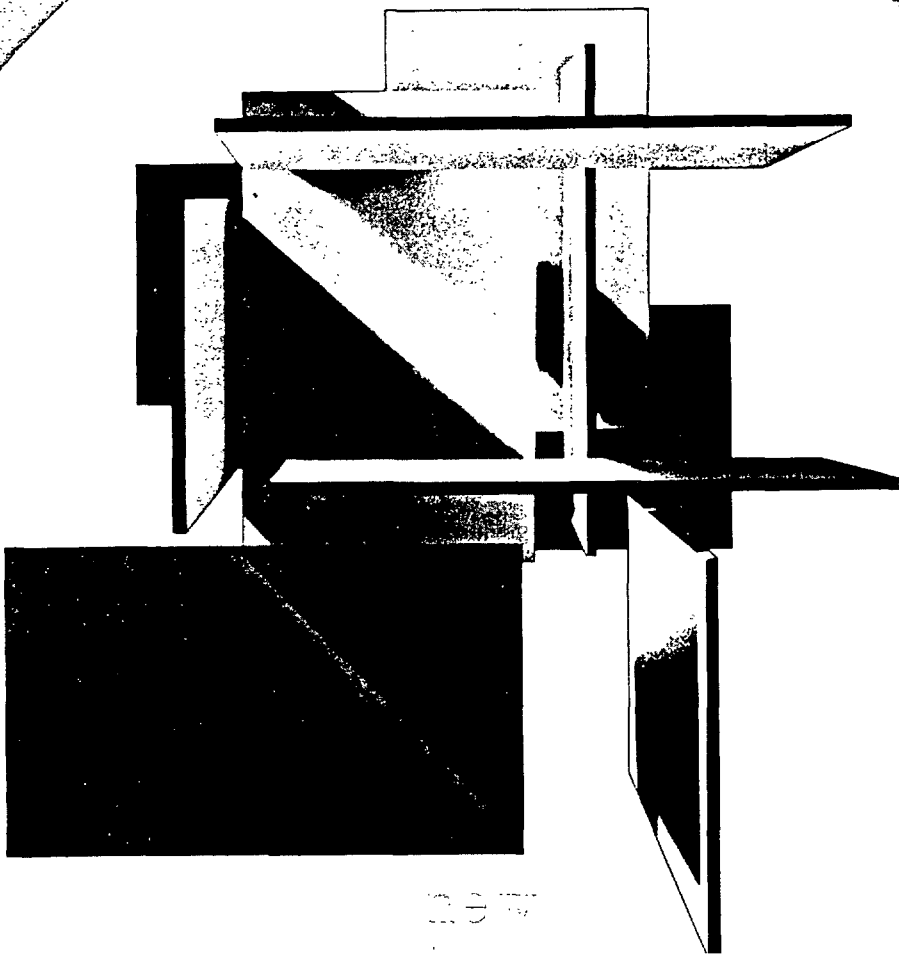


Drywall AGE

FIRST FORUM OF THE DRYWALL INDUSTRY • ISSUE 2, 1960

PLAINTIFF'S EXHIBIT

USG-1594



new
perspectives
with 3/4" x 1/2"

IN
THIS
ISSUE:

*New
semi-solid
partition system*

BB017 1157

United States Gypsum Company,
300 W. Adams St., Chicago 6, Ill.

L. J. Lovejoy, Editor
J. C. Miller, Art Director

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PHOTOGRAPHS in this issue by: Hedrich-Blessing Studio, Chicago; Guy Burgess, Colorado Springs; Julius Shulman, Los Angeles.

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FIRST MAJOR USE of the new USG Semi-Solid Partition described on pages 3-5 is now underway in a San Jose, Calif., tract. Continuous on-the-job inspection by city officials has earned approval for the new system. Official recognition will follow U. B. C. Research Committee okay.

NEW DRYWALL application techniques are recommended by the Gypsum Association for:

- Floating gypsum wallboard in interior wall and ceiling angles
- Radiant heating with drywall
- Gypsum drywall in baths and showers

Full specifications on each subject are available from the Gypsum Association, 201 N. Wells St., Chicago 6.

UP-TO-DATE application, decoration and design data, plus official ASA drywall specifications are now available in a New Manual of Gypsum Drywall Construction. Drywall contractors, builders, and architects may obtain free copies from Gypsum Drywall Contractors International, 608 S. Hill St., Los Angeles.

BUILDING ADHESIVES got top billing at the 1960 Building Research Institute spring conference. At a brainstorming session, drywall contractors and gypsum manufacturers challenged adhesive producers to increase research efforts to aid the growing trend toward adhesive application of gypsum wallboard. As a first step, the adhesives companies hope to develop a uniform adhesives specification by this fall. Such a quality standard will help eliminate the variable results currently encountered with some existing adhesives and provide a foundation for new improved formulas.

USG semi-solid partition offers speed, simplicity, savings

VERSATILITY and technical know-how are the keys that are opening new markets for aggressive gypsum dry-wall contractors. Every new building—residential or commercial—can be turned into a new profit opportunity through use of one or more of the five advanced gypsum wallboard systems recently developed by United States Gypsum Company. They offer to the industry the New Perspectives symbolized on the cover of this magazine.

Here, in an exclusive preview, is a step-by-step introduction to the first of these new partition systems—the USG Semi-Solid Gypsum Drywall Partition.

Developed to provide a space-saving, studless, non-load bearing drywall partition system primarily for the residential market, the new USG Semi-Solid Partition can be erected on the job without time-consuming bench work, and with little layout and cutting. The economical, structurally rigid partition also eliminates permanent face nails and screws, thereby reducing finishing requirements.

A minimum number of components makes erection of the Semi-Solid Partition quick and easy. Wooden floor and ceiling runners are first laid out and nailed at 16-in. intervals. The initial face layer of $\frac{5}{8}$ -in. SHEETROCK gypsum wallboard is then fastened vertically to one side of the runners. Only three nails, one at each corner and center point, are used at top and bottom.

Special 8-in. wide ribs of 1-in. gypsum coreboard are snapped on the job from new 1"x24"x7'8" coreboard (scored both sides to three 8-in. widths) and laminated to the back of the face layer after it is erected. Application of the second face layer with vertical long edges centered over the core units completes erection and leaves the partition ready for conventional joint treatment and finishing.

Door openings may be installed at any point. The re-

continued

1 FACE LAYERS of tapered edge $\frac{5}{8}$ -in. SHEETROCK gypsum wallboard, 4 ft. wide and required height, are erected vertically with top and bottom nailed to floor and ceiling runners. Vertical edges fall at least 8 in. from corners of doors and other openings.

2 DOOR OPENING is cut out, and face layer is nailed to 1x1-in. wood door buck. Nail spacing should be 8 in. on center.

New perspectives *continued*

quired opening is cut out and the face layer is nailed to 1x1-in. rough wood door buck at intervals approximately 8 in. on center. Coreboard strips, minimum 1x8 in., are then laminated completely around the entire opening.

The combination of low-cost materials and minimum erection time makes Semi-Solid Gypsum Drywall Partitions a top attraction for single-unit and multi-family residential projects. Both the wooden components and the 4-ft. wide, 5/8-in. tapered edge gypsum wallboard are standard materials—only the 1-in. coreboard units are specially designed for this system. Face layers are erected without staggering joints, thereby reducing layout and cutting time.

From any angle, the new USG Semi-Solid Gypsum Drywall Partition System represents a prime sales opportunity for drywall contractors and an important advance in design and economy for architects engaged in the residential field. Details of the new U.S.G. commercial drywall systems will be presented in future issues of DRYWALL AGE.



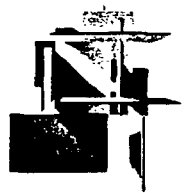
3 HEAVY BEADS of PERF-A-TAPE Cement, each bead 3/8 in. wide and 1/2 in. deep, are laid on back side of erected face layer with multiple notch spreader.

4 SPECIAL-CORE STRIPS (1"x8"x7'8" for 8-ft. ceiling) are centered over vertical joints and at mid-point of each facing board.

5 SECOND FACE LAYER is positioned with vertical long edge centered over core strips before adhering. Top and bottom are nailed to runners.

6 DOOR OPENING is easily completed by cutting second face layer after it has been laminated in place. Minimum 1"x8" strips of coreboard are also adhered completely around door opening.

7 TEMPORARY NAILING is sometimes required when warped core or face boards are used. Scaffold nail should be driven through 4x4-in. piece of gypsum wallboard at 45° angle directly between facing boards into core strips.



Free
information
on five new
drywall
systems



Complete technical details are now available on each of the new gypsum drywall systems developed by United States Gypsum Company. Clip this coupon and send it now!

Please send details on the new USG Gypsum Drywall Systems indicated.

- ☐ USG Semi-Solid Partitions
- ☐ USG Metal Stud Partitions
- ☐ USG Solid Partitions
- ☐ USG Double Solid Partitions
- ☐ USG Ceiling and Wall Furring Systems

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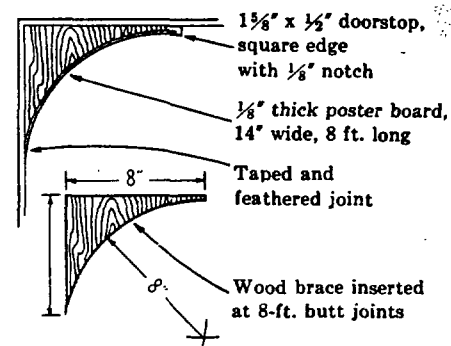
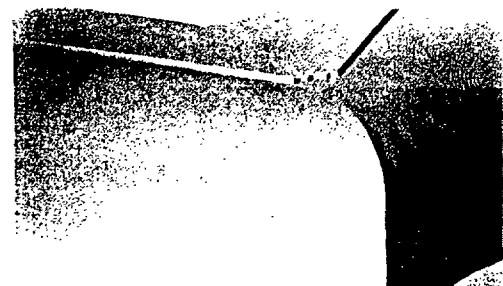
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United States Gypsum
300 W. Adams St.
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BB017 1160



*Drywall
contractor
sells builders,
home buyers with*



"ANYTHING plaster can do, we can match," is the sales pitch that keeps Colorado Drywall Co. on top of Denver's highly competitive, quality residential market. Backing up this claim, owner Herman Emerich provides builders with features seldom identified with wallboard interiors.

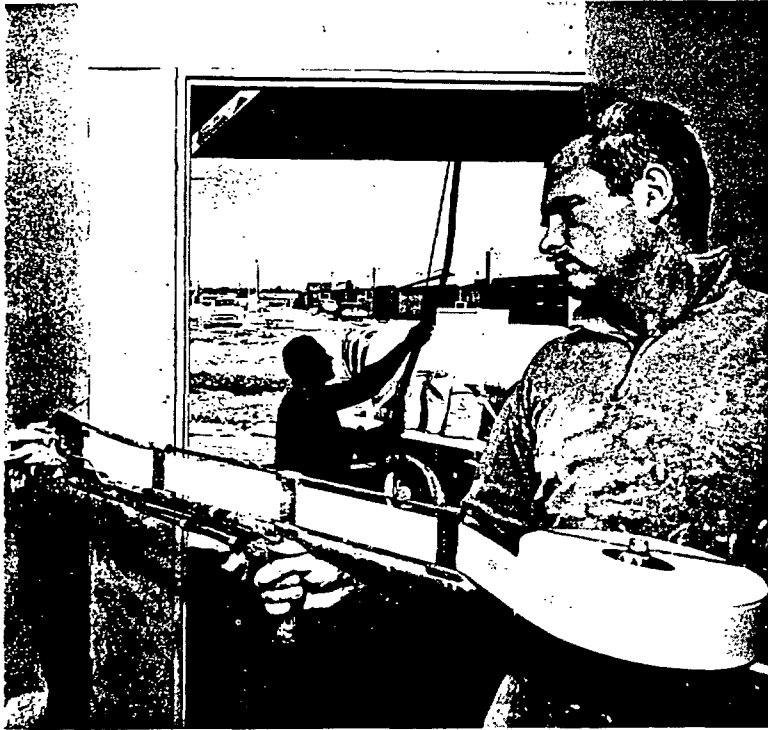
High on this list of "extra values" is a cove system which gives ceilings the custom appearance that appeals to builders and home buyers alike. Combining low-cost materials with easy erection, the coves (shown above) are formed from a few simple parts Emerich makes in his garage workshop.

Right angle braces cut from 1-in. scrap lumber are nailed along the ceiling-wall joint at 8-ft. intervals to provide the cove base. A jigsaw is used to pre-cut an 8-in. radius circle in the 90° brace angle before nailing. Each brace's ceiling leg is 8 in. long and 1/4 in. thick on the end. The wall leg is 7 in. long and tapers to a sharp edge.

After the braces are in place, notched doorstop is butted against the end of the ceiling leg and nailed. Strips of heavy art poster board, 8 ft. long by 14 in. wide, are then curved and nailed to the braces so that the top edge fits into the doorstop notch. Ceiling and wall joints and the butt end joints are reinforced and concealed with the PERF-A-TAPE system to complete the job.

Emerich is convinced that any applicator can become adept at making this type of ceiling coves in a very short time. As a result, the overall cost of the job is not greatly increased by additional labor time.

Homemade, mobile taping rig delivers both



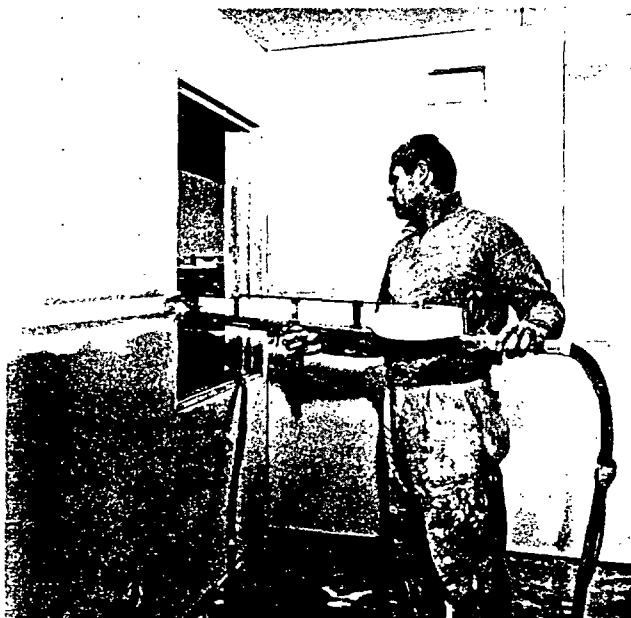
SIMULTANEOUS TAPING goes forward on first and second floors as powerful truck motor pumps cement to two crews.

MOBILE UNIT'S 250-GAL. TANK is replenished at central storage location, eliminating need for stockpiling PERF-A-TAPE cement at various job sites.



MOBILE RIG (right) provides power and materials for two continuous machine tape and cement application crews, eliminating time-consuming mixing and refilling operations.

TAPER CONTROLS FLOW of cement with button located on tool handle. Skim boxes and attachments provide quality and efficiency equal to straight taping operation.



CONTINUOUS FLOW from hose (below) furnishes taper with cement while second member of team follows with hand tool.



"CAN we double our volume without sacrificing quality?" This was the question that faced Lamunyon Drywall Contractors, Inc. when the southern California building boom hit Buena Park.

Proud of their three-year quality reputation, partners Harold Lamunyon and John Walters refused to increase business at the risk of reducing workmanship. Lacking time to train new men to meet their high standards, the partners staked their future on a new method of continuous machine application of tape and cement.

Armed with a little ingenuity and a lot of know-how, they mounted a 250-gallon container atop their pickup truck and drove to a nearby machine shop. The result is a mobile unit which enables two crews to tape flats and angles in two dozen houses a day—more than twice their previous production. In addition to doubling volume the rig eliminates the need for stockpiling materials at the site and makes it easy to work in areas where fresh water is unavailable.

Power for the rig is furnished by the truck motor which is left running while the men are working. Agitator blades in the tank are run off the motor as well as air compressors which force the cement through the supply hoses.

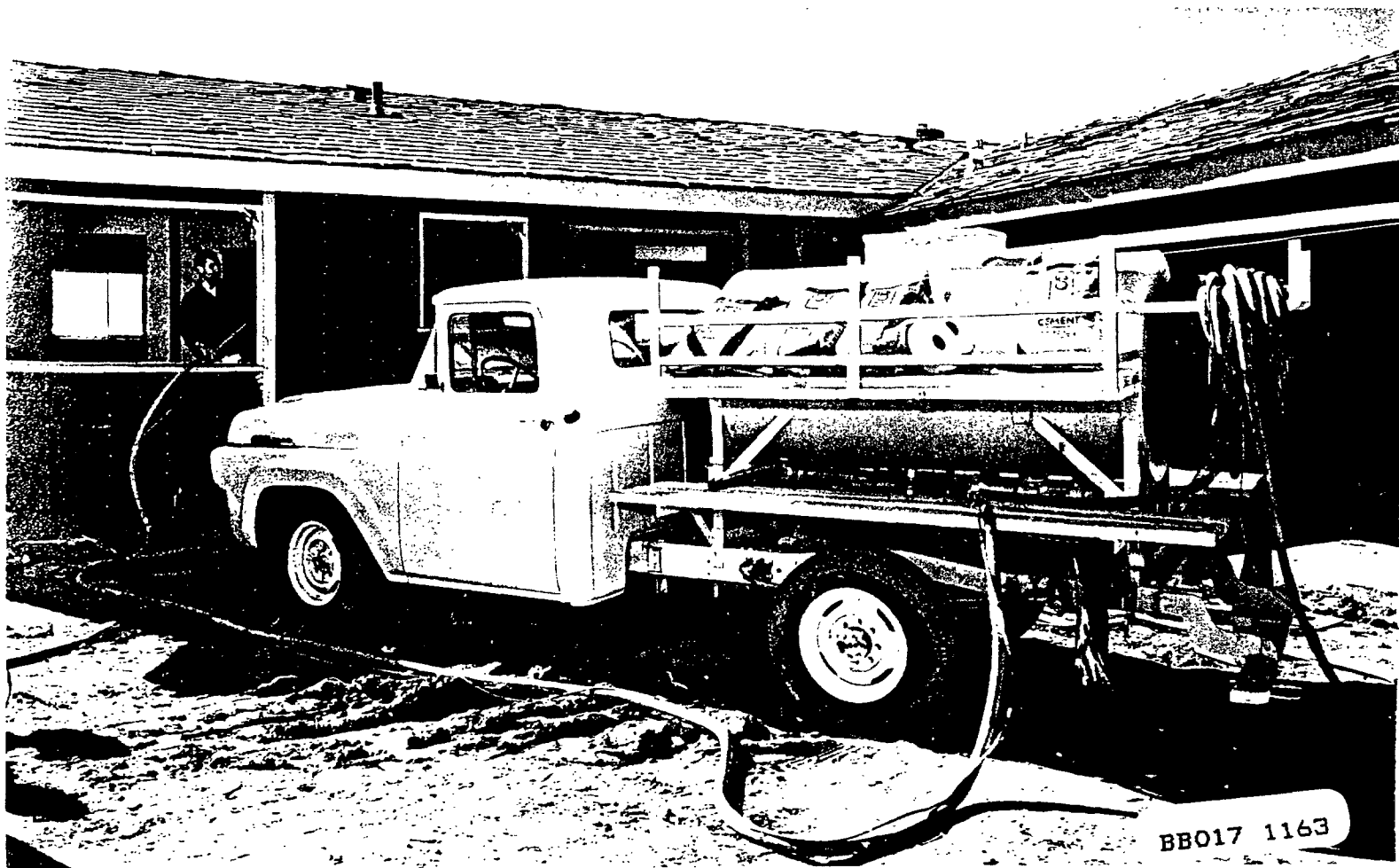


PARTNERS Harold Lamunyon, left, and John Walters developed continuous machine taping and cement application rig to meet mushrooming business opportunities.

The flow of cement from the tank is controlled by a button on the taping tool which activates a solenoid. When keyed, the solenoid engages the clutch and starts the rotor-stator tube underneath the tank. Sufficient force is provided to supply cement through 200 feet of hose. This makes it easy to service two-story buildings as well as ground-level dwellings.

Since inaugurating the new equipment, Lamunyon Drywall has completed a 500-home tract for a single contractor in addition to completing homes and apartments for other builders. Results of this extensive usage indicate quality equal to previous workmanship and a savings in labor costs which more than offsets the original cost of the rig.

Incoming contracts more than justify Lamunyon and Walters' belief that a quality reputation continues to be their most important sales tool.



THE DRILL-TYPE POINT of this new Type S Screw drives through single layer gypsum wallboard and metal stud behind it; the screw pulls board up tight. A Black & Decker "Scrugun" automatically "dimples" the head for spotting without breaking SHEET-ROCK* wallboard face paper.

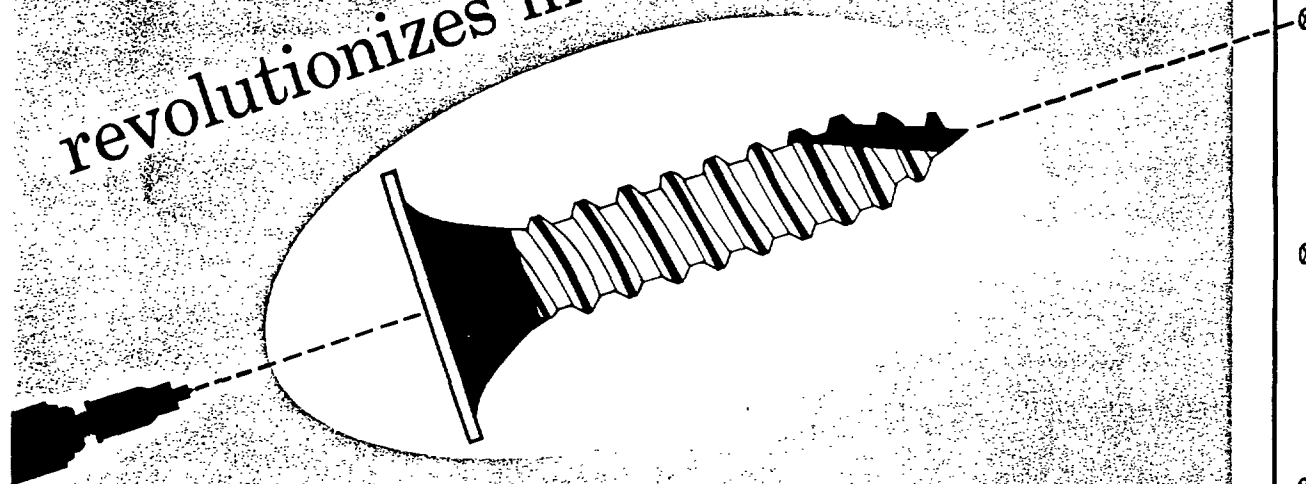
It's fast. It's sure. It's a major advance in gypsum drywall technique! Ask your U.S.G. salesman for details or write DRYWALL AGE, 300 W. Adams St., Chicago 6, Ill.

JSG*

**DRYWALL
SCREW**

*T.M. Reg. U.S. Pat. Off.

revolutionizes metal stud partitions



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