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JANUARY: 1977

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16 Singer Manufactures Refrigeration Products From Large To Small
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16 Hunter Exhaust Fans Cool Attics And Cut Air Conditioning Costs
17 Arno Ductape Is Flexible Enough To Stick, Seal, Waterproof
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24 National's Furniture, Equipment Provide Comfort And Prestige
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24 Burns Walkway Covers Provide Year-round Weather Protection
25 H & B Space Saver Partitions Encourage Custom Interiors
25 Quaker Maid Kitchens Combine Extras, Beauty And Simple Efficiency
26 Cement Enamel Offers Prefabricated Wall System: Granostuct
27 New Thermasol Brings The Bathroom of Tomorrow Into Present
28 Safeway, The Original Hockey Dasher Maker, Also Makes Bleachers
29 For Weatherstripping, Soundproofing And Lightproofing Try Nitt
29 City Steel Hollow Metal Doors Feature Quality And Utility
29 Duo-Therm Makes Hearth Heaters That Deliver Comfort And Economy
29 Victor Redwood Lights Meet Any Architectural Application Called For
29 Royal Crest: America's First Manufacturer Of Narrow Slot Blinds
30 Imagination And New Ideas Begin With Molded Marble Products
30 In Style Of Kings: Eaton-Provost Quality Furniture Reproduction

COVER: This is an interior of a house using Buckminster Fuller's geodesic dome as the basic structure. Case Study House: Ho, 24, now being designed by W. Gayle Daniel, ARA, will use such a dome. These geodesic domes are manufactured by Cathedralite Domes, Aptos, CA., represented in Southern California by Bowen Associates, La Crescenta, CA.
Year-round Gardening Pleasure With Lord & Burnham Greenhouses

Put Number 224 on Coupon

Lord & Burnham, a division of the Burnham Corporation, Irvington, N.Y., manufactures America's top quality line of greenhouses for residential, commercial and institutional use. For over a century, architects have readily approved the design and engineering of the many types of glass and glazed structures manufactured by this company. Lord & Burnham greenhouses have earned the right to be specified in Case Study House: 1976.

Imagination alone limits the kinds of greenhouses that can be built. Where there is limited space, the Orlyt lean-to models with straight or curved eave can result in a remarkably efficient, space-saving greenhouse. Or, Orlyt even span models might be considered. Even the straight Eave 10, smallest even-span model of the line, provides space for two full-length benches, side shelves and many hanging pots and baskets. The straight Eave 14 model is so

Lord & Burnham builds America's top quality line of greenhouses for residential enjoyment as well as commercial and institutional use. Strength and durability of aluminum are combined with glass or plastic. Standard structural parts, modern production line fabrication and simplified erection techniques all contribute to the durability of these greenhouses. The Imperial curved Eave 14 is pictured. It measures 14 ft. wide by 24 ft. long.

With the new and simplified methods of assembly, completely prefabricated greenhouses can be installed anywhere. There is no reason any more to wait.

For more information, write: Lord & Burnham, Division Burnham Corporation, Irvington, New York 10533.

Duo-Therm Makes Hearth Heaters That Deliver Comfort and Economy

Put Number 225 on Coupon

Fireplaces have long been a traditional source of comfort in American homes. Duo-Therm of LaGrange, Indiana, however, has designed hearth heaters that will deliver economical heat, as well. Architect everywhere, recognizing the energy-saving aspects of this fireplace heater, are specifying Duo-Therm hearth heaters because they reduce central heating requirements.
This new and highly efficient energy saving fireplace furnace has been introduced by Duo-Therm, a national manufacturer of heating and air conditioning equipment, and is a sizable improvement over all other units because of its unique design. Whereas other fireplace heaters are designed to be installed at the bottom of the fireplace opening, Duo-Therm units install at the top.

Twin squirrel-cage blowers draw room air through the heat exchangers and gently circulate warm air throughout the room. These heat exchangers are sealed and prevent flue gases from being circulated into the room, and dampers in each exchanger prevent convection of warm air when the unit is shut off.

With its unique design, Duo-Therm captures fireplace heat that would customarily be lost up the chimney, and gently recirculates it throughout the room. This way, fireplaces, long an American tradition, serve not only as a focal point for comfort and leisure enjoyment, but become energy-saving devices, as well, and are highly practical for homes, cottages and cabins.

"... recover fireplace heat ..."

The two heat exchangers, blowers and automatic thermostat are all concealed behind a brass-trimmed black decorator hood which complements any decor. Hoods are available in two sizes which fit most existing fireplaces.

Self-tapping screws or quick mount clamps make installation possible in less than one-half hour. The Duo-Therm hearth carrier carries the Underwriters’ Laboratories listing. For more information, write: Duo-Therm, 509 S. Poplar Street, LaGrange, Ind. 46761.

Duo-Therm has introduced a highly efficient fireplace heater that circulates warmed air throughout the room instead of letting it escape up the chimney. Designed to complement any decor, this easy to install hearth heater is available in two hood sizes all will fit almost all existing fireplaces. It is ideal for homes, cottages, cabins. Now fireplaces have been made practical as well as an attractive focal point for any room. Twin squirrel-cage blowers draw room air through the heat exchangers of the fireplace heater. This warmed air, which used to go up the chimney, is now gently recirculated throughout the room.

Kohler’s Fixtures Can Enhance and Beautify Kitchen, Bar Or Bath

Put Number 226 on Coupon

For many years, Kohler has been a big name in soap and water fixtures. Clients across the nation have looked to this company for the latest and the best in fixtures for the kitchen, bath, bar and powder room. In recognition of excellence, Kohler has been specified in Case Study House 1976.

The Trieste sink in Sunflower, the newest color on the Kohler Accent palette, can be the focal point of any kitchen. The three-compartment sink with centrally located disposal basin and handy hardwood cutting board features faucets from the Flair series. The charcoal handles and Swinger spout complete the bright, neat look.

For elegance and high-fashion, Expresso is now available. The color is offered on fixtures in enameled cast iron, vitreous china and fiberglass reinforced plastic.

Over the years, Kohler has had the latest designs in soap and water fixtures. Consideration has always been given to the ease of installing, maintaining and using all fixtures in the Kohler line. Styling, colors and design can be complemented for personal preference. Available are five bathtubs, 11 lavatories, three toilets, a bidet, 5 kitchen sinks and a bar sink.

For those who like change, the Alternator line is best. Four pairs of handle inserts come with every fitting. It is easy to change these colorful accent inserts as it is to change towels. These bold faucets come in polished chromium, brushed chromium, and 24 carat gold electroplate, polished or brushed.

Kohler is up-to-date, but features an "antique" line, as well. Or, for those who like variety, Alternator faucets with four pairs of handle inserts for every fitting, help to express whim and change. On the other hand, who could deny the elegance of Expresso in high-fashion brownstone?

To recreate the Victorian age, Early America or the Roaring 20’s, the "Antique" line of Kohler adds that unique and sophisticated look. The look goes back in time, but beneath the surface and styling is Kohler’s dependable water valving sys-

(Continued on page 12)
Year Ahead Crucial for Architects: Jerome Salzman

New President Puts Emphasis on Program Adopted by 1977 Board

By Jerome Salzman
President, ARA

This year will be a crucial one for the United States, for the economy, for architecture and for ARA. Our best effort to help is to go back to our original credo of "architect helping architect" and applying all of our efforts to learn and disseminate material on the "business of architecture."

In this light, the ARA Board of Directors elected at its recent Atlanta convention a program to get information of use to you, our members. Here now are the tools we are offering you. They are available now—use them! If you use any of them once you will get more than your $60 dues.

1. LEGAL—The ARA has retained Paul M. Lurie of the law firm of Fohrman, Lurie, Holstein, Sklar & Cottle, Ltd., to provide legal consultation to the members in the following areas: Construction, including professional service agreements, design-build, and construction management contracts; professional liability, real estate tax planning and real estate financing, including equity syndications and government insured programs; professional organizations, including partnerships and corporations.

Mr. Lurie will provide an initial consultation without direct charge to members. These consultations may either be by tele-

phone or by letter. If by letter, he will call back. If the questions requires any extensive legal or factual investigation or repeated conferences, such additional service will be furnished by Mr. Lurie's firm based on its regular hourly rates. No member will be billed unless there is a prior agreement.

Mr. Lurie will report to the membership on a periodic basis the questions and answers having the most general interest to the membership. This program will be initiated on a six-month experimental basis to determine the extent of interest in the service. Mr. Lurie can be reached at (312) 641-5252, 180 North Michigan Avenue, Chicago, Ill. 60601.

2. PUBLIC RELATIONS—All members of ARA may participate in a program that should bring greater public awareness to their firms, themselves and their design projects. For the fee of $50 per project, a member or member firm may have its project via photographs and caption and/or articles distributed to related trade publications, and daily and weekly newspapers within the state, city or metropolitan area of the firm or of the project.

The participant must furnish the names and addresses of the publications to which the material should be sent, one or more 8 x 10 black and white glossy photographs for each publication listed, and the title of the project, the location, client, full names of consultants and their location, the full name of the general contractor and his location, the project architect, project cost, site area, building area, types of construction materials used, interesting design features, and specific problems that had to be overcome in design or construction.

The material and information will be reviewed and organized, placed in photo caption or article form, reviewed by telephone with the project architect to assure correctness of facts, and then distributed to related publications. It is important to note that the editor of each publication determines whether the material is used based on space limits and interest of the project. However, from past experience, many publications of a local nature welcome such mater-

ial.

ARA members who wish to participate in this program should direct their material accompanied by a $50 check to D. Banish & Associates, 5940 North Neva Avenue, Chicago, Ill. 60631, (312) 763-5767.

3. ACCOUNTING—The firm of Robert Freeman & Company, Certified Public Accountants, 2900 West Peterson Avenue, Chicago, III. 60659, (312) 761-6946, has agreed to act as consultant to members of our organization for the ensuing six months. Mr. Freeman and his staff will respond to members' written inquiries concerning matters of federal taxation, accounting and bookkeeping techniques, generally accepted accounting principles and related problems.

The firm requests that all inquiries be written and specific, and that they be accompanied by a fee of $35. Their reply will be by reverse-charge telephone call and will include a direct response to the question asked, plus any citations, references or alternatives they consider relevant. It is recommended that 14 to 21 days be allowed before response to provide administrative and research requirements.

The ARA board feels this service, while beneficial to the entire membership, will be a boon to the smaller of our organization's members who might otherwise go without such advice or would find it necessary to incur greater expense of retaining the services of a certified public accountant on a more permanent basis.

4. GOVERNMENT RELATIONS—Fred Bernheim, one of our members, has been appointed government relations spokesman for ARA. In the capacity, he will monitor proposed federal legislation and keep ARA board members informed of possible positions ARA may wish to take on specific issues. He will be prepared to testify in Washington for or against legislation that will be of interest to ARA. The positions of ARA, expressed through Mr. Bernheim, may be in the form of oral testimony, letters, or media communication.

A list of congressmen and senators who represent ARA

Norman Hodge and Marion J. Varner (right) review proposals prior to their consideration at the Executive Board Meeting during the convention.
members will be prepared and distributed to each member. This will enable ARA members to express their society's position to their elected representatives when the need arises for written communication. A sample letter format will be prepared and sent to all members to aid them in properly expressing the ARA position to the elected representatives.

As ARA's government relations spokesman, Mr. Bernheim also will be available to counsel state chapters on how to best make their views known to elected state representatives, and will appear before various state government committees if requested by the state chapter. He will be guided and counselled by Stanley D. Banash & Associates, who have had extensive experience in working with government agencies and committees.

5. DUES—Recognizing the state of the economy, the board has instituted a program of partial dues payment. Members can pay in three installments of $20 each, rather than all at once. To try to give state councils more incentive to obtain new members, and to furnish them with the dollars to do this, an additional $15 rebate will be given to each council for every member beyond their 1976 paid up total. With dues invoices, a profile blank will be included so the 1977 convention booklet can be more complete in terms of members and their status.

6. STUDENTS—In light of the fact that the student membership amendment passed, a new committee, chaired by Don Geitz of Ohio is being implemented. The Geodesic Dome project also is being offered to students through their schools, and W. Gayle Daniel, California, is guiding this program.


Each of these chairmen will welcome help or suggestions from members, who, if they have any questions regarding any program please call the writer at (312) 588-3682 or write me at 3524 West Peterson Avenue, Chicago, Ill. 60659.

Nine Firms Get Design Awards at Convention

Nine architectural firms from across the country were design winners at the recent award competition of the Society of American Registered Architects at their national convention.


QUESTIONNAIRE

The board requests each member to fill out the following Questionnaire and mail to Jerry Brim, 5201 West Dempster Street, Stokie, Ill. 60076. This will provide him with the thinking of the ARA membership, its needs and wishes.

1. I am a:
   (a) sole proprietor _ (d) employee ___
   (b) partner _ (e) consultant __
   (c) corporation officer _ (f) other ___

2. I am licensed in ___ states. (Indicate how many)

3. I hold an N.C.A.R.B. certificate. Yes ___ No ___

4. Our firm has an architectural staff of ___ people. (Indicate how many)

5. Our firm is primarily oriented as:
   (a) architectural ___ (d) design/build ___
   (b) engineering ___ (e) development ___
   (c) construction ___ (f) other ___

6. Our firm is primarily:
   (a) private ___ (b) public ___

7. Our firm's basic position reflects:
   (a) traditional architectural services ___
   (b) architect/construction management ___
   (c) design/build ___

8. Our firm actively encourages an equity project position for the architect. Yes ___ No ___

9. In my opinion, a professional organization should primarily direct its purpose to:
   (a) providing services of direct assistance in the operation of their professional practice ___
   (b) represent the interests of the practicing architect to the public and governmental bodies ___

10. My membership priorities ranked 1 to 11, are as follows:
    (a) _ philosophy ___ 
    (b) ease of membership ___
    (c) _ professional practice aids ___
    (d) _ legislative representation ___
    (e) _ opportunity to meet colleagues ___
    (f) _ social ___
    (g) _ programs for direct economic benefit ___
    (h) _ news of professional interest ___
    (i) _ public relations toward client base ___
    (j) _ general feeling of belonging ___
    (k) _ opportunity for direct participation ___

11. Do you believe our dues structure should be the sole support for our society activities? Yes ___ No ___

12. For a larger or more effective voice within the architectural and construction industry, our dues should be:
   (a) reduced ___ (b) increased ___ (c) left the same ___

13. Do you believe SARA should create an affiliate organization among the manufacturers of construction materials which could assist us with our program through their financial support? Yes ___ No ___

14. I think a national roster with coded description of each firm's specialty, intended to assist SARA members with information for interstate joint venture programs, would be of value. Yes ___ No ___

American Registered Architect 7
ARA, Canton, Ohio, Peace Lutheran Church.

According to Richard E. Shields, awards and certificates committee co-chairman along with LeRoy C. Everett, there were a total of 19 design projects entered in the competition.

"We were anticipating a larger number of entries," said Shields, "but a variety of reasons, including the downturn in the economy, seem to have contributed to fewer entries. An anticipated upturn in the economy may contribute to a building boom and more entries in our award competition."

Shields said that next year's design award competition will be coordinated by John Pankovich of Allentown, Pennsylvania. Pankovich was one of the judges in this year's competition. Other judges included: Bernard Lyon Frishman of Silver Springs, Maryland; Professor Peter Lizon of the University of Tennessee; and Barry Milowitz of Scarsdale, New York.

The society's gold medal, its highest award, went to Arnold Schaffner of Chicago and Barry Milowitz of New York. The Jean Boulanger service award was presented for the first time to our founder Wilfred Gregson.

Presidential Citation to: Samuel E. Hart and Marion J. Varner.

Student Awards for Creative Design Named

Six architectural students were honored for their creative design entries that dealt with a real problem faced by a local community.

Of the many entries submitted, the winners were: Hunter S. Marston III of the University of Oklahoma School of Environmental Design (first place certificate and $500 cash award); Armando F. Idiarte of Georgia Institute of Technology (second place certificate and $250 cash award); Richard E. Salyagi of the Boston Architectural Center (honorable mention); Ken G. Hinton of the University of Tennessee (honorable mention); Thomas Samms of Miami University (honorable mention); and Thomas Dooley and Kipland Howard, both of the University of Tennessee (honorable mentions).

The architectural problem facing the students consisted of expanding an existing museum building of classical flavor, while not retaining the same flavor throughout the addition. Basically, the entire design had to maintain a high degree of building flexibility, simplify security problems, and incorporate proper landscaping.

The annual student awards program was part of the Society's annual convention in Atlanta, Georgia. Richard Shields, ARA was awards program coordinator.

ARA Founder Honored by City, State, Society

A governor, a mayor, and numerous friends paid tribute to one of the most respected men in the architectural profession, President Herbert L. Berger presents ARA Founder Wilfred Gregson with a copy of the mayoral proclamation signed by Atlanta Mayor Maynard Jackson. Gregson was also presented with a personally signed congratulatory letter from Georgia Governor George Busbee. The proclamation honored Gregson and the ARA on its 20th anniversary.

Wilfred J. Gregson, founder of the Society of American Registered Architects.

The special tribute took place at the 20th anniversary banquet attended by more than 100

why wait all your life to do the one thing you always wanted

Just imagine yourself in a greenhouse, working with plants whenever you please. Imagine too, that it's a Lord & Burnham greenhouse, the best there is...and there's no limit to what you can grow.

Our free catalog will help you imagine. It will help you learn more about us, about our greenhouses, and about greenhouse gardening. You'll discover we're the oldest and largest manufacturer of greenhouses in the world. And, we're the only greenhouse manufacturer with nationwide service. We have a man near you, who will help you select the site, the greenhouse, and accessories best for you. He cares. So why wait any longer? Send for our free catalog today.

LORD & BURNHAM, the greenhouse people
Division Burnham Corporation IRVINGTON N.Y. 10533
the Atlanta Veterans Administration Hospital.

A proclamation from Atlanta Mayor Maynard Jackson called attention to the growth of the organization over the past 20 years and its service.

Leading off the many honors was a special proclamation signed by Governor George Busbee, who proclaimed Nov. 19 as Architects Day in Georgia.

In the proclamation, Governor Busbee called attention to the contribution of Gregson describing him as an "internationally famous architect known for his outstanding buildings, which include the Eugene Talmadge Memorial Hospital in Augusta, and for his architectural work of national renown and for the fine work he has done on behalf of his organization.

A letter from Georgia Gov. George Busbee and presented by M.J.V. Sam Hart, ARA, stated: "Your accomplishments in the profession of architecture and your contributions to the State of Georgia have been numerous. Because of your efforts, the Society of American Registered Architects is enjoying a healthy growth in membership and a fine national reputation."

AWARDS

GOLD MEDAL
Arnold Schaffner, FARA
Barry Milowitz, ARA

JEAN P. BOULANGER AWARD
Wilfred J. Gregson, FARA

PRESIDENTIAL CITATION
Marion Varner, FARA
Samuel E. Hart, FARA

SPECIAL SERVICE AWARDS
D. Stewart McKerchar, FARA
Dwight E. Chenaud, FARA
Jerome Salzman, FARA
Richard E. Shields, FARA
W. Gayle Daniel, FARA
R. Robert Johnson, FARA
Berndt Johnson, ARA
Sidney Epstein, FARA
Chester A. Stark, FARA
Harry E. Botash, FARA
Norman E. Hodge, FARA
Alex A. Graverson, FARA
LeRoy C. Everett, FARA
Audrey Pecsi-Sid Epstein's Secretary
Terrie Colborn-H.L. Berger's Secretary

SPECIAL SERVICE AWARDS TO SPEAKERS:
George Manner, Ph.D.
Stanley D. Banash
Herbert E. Lembcke, AIA
Ronald B. Bonar
Zeb Lackey, AIA

SPECIAL SERVICE AWARDS TO JUDGES
Barry Milowitz, ARA
John G. Pankovich, ARA
Peter Lizon, AIA
Bertrand Lyon Frishman, FARA

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Donald Geitz, ARA, Orange Village, Ohio
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Student Program: Donald Geitz, ARA
NCIC & Metric: Richard E. Shields, FARA
Legal Chair of Construction: Fred Pratcher, FARA
Constitution 78: Arnold Schaffner, FARA; David Kaplan, FARA
Profiles: Wayne Bryan, ARA
Summer Session: Norman Hodge, FARA
Recycling Cities: Wayne Bryan, ARA
Manual of Experience: Alex Graverson, FARA

Turnkey Practice Motion Adopted

The Society of American Registered Architects reaffirmed its longstanding policy that the design/construct or turnkey is an established and acceptable practice.

The motion, presented by Sidney Epstein, FARA, of Chicago, Illinois, was unanimously adopted by those members attending the Society's recent national convention in Atlanta, Georgia.

It stated that "an owner desiring to use this procedure may properly obtain architectural services by combining the design and construction under a single agreement with a firm qualified in both aspects. Regardless of the method selected, the architectural services should be performed by the direction of a registered architect. The inclusion of architectural services within the scope and price of a design/construct proposal or bid is an accepted practice. Advertising by design/construct firms should indicate that architectural services are in addition to the construction operation."

Following passage of the resolution, a supporter of the motion, Chicago architect Fred Bernheim, ARA, noted that normal architectural services encompass all aspects of a project that normally fall under turnkey. This always includes observing the construction as to design specifications and drawings, approving payments, preparing punch lists, and approval of same, and final payout. Provided that the design program and a realistic budget have been established, he saw absolutely no reason why he and many of his colleagues should participate in turnkey projects.

SOCIETY OF AMERICAN REGISTERED ARCHITECTS

Construction Costs: O.V. Bertolini, ARA
Nominating Committee: Jerome Salzman, FARA
Questionnaire: Jerry Brim, FARA

REGENTS AND MEMBERS OF THE EXECUTIVE BOARD FOR 1977

Region 1: Bernard Healy, FARA, Framingham, Mass.
Region 2: Alex Graverson, FARA, Phoenixville, Pa.
Region 3: Not assigned
Region 4: Donald Geitz, Orange Village, Ohio
Region 5: Donald McKerchar, ARA, North Palm Beach, Fla.
Region 6: Arnold Schaffner, Chicago, Ill.
Region 8: Not assigned
Region 9: Adam A. Bliss, ARA, Dallas, Texas
Region 10: Norman E. Hodge, FARA, Denver, Colo.
Region 11: Lloyd Gardner, ARA, San Francisco, Calif.
Region 12: Harry Botsch, Everett, Wash.

PAST PRESIDENTS

1976: Herbert Berger, FARA, Wichita, Kansas
1975: Charles J. Faroni, FARA, Cleveland Heights, Ohio
1973: Frank P. Masselli, Jr., FARA, North Palm Beach, Fla.
1972: I.J. Liebeng, FARA, Minneapolis, Minn.
1969: Roy D. Murphy, FARA, Urbana, Ill.
1968: Marion J. Varner, FARA, Passadena, Ca.
1965: Robert W. Stickle, FARA, Cleveland, Ohio
1962: Carroll T. Hutchins, FARA, Grandview, Mo.
1961: Matt Howard, Jr., FARA, Houston, Texas
You have a reputation. So do we.

We’ve found that the professionals who prefer Ameritone are very particular about the kind of paint they use.

Which works out just fine since we are very particular about the kind of paint we make.

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Change Wasted Space Into Attractive Built-in Storage

The problem of providing storage space can now be easily solved with the use of DRAWERMASTER drawer and suspension kits. Quickly, without the use of special tools, much needed drawer space can be provided under stairways, in closets, bedrooms and attics, as well as in laundry and sewing centers.

By using a patented metal frame suspension installed with only four screws, drawer space is provided without any back supports or cross members of any kind. Alignment and fit are assured since the frame eliminates all adjustments and fitting, and the runners are properly spaced and pre-aligned. Assembly and installation are unbelievably simple.

Kits are of high quality, having hardwood drawer sides, heavy 18 gauge steel frame assemblies, and durable nylon rollers. Kits come in four sizes, all designed to fit between standard 16” and 24” stud spacing. Drawer fronts not included in kits but sold separately. Choice of three styles available, or fronts of own design and material can be used.

DRAWERMASTER KIT INCLUDES:
Steel frame suspension system, accurately formed to assure positive alignment of drawer.
Drawer box parts, all machined to close tolerances. All assembly and installation hardware.
Buyer’s choice of drawer front sold separately.

New custom drawers from Drawermaster, manufactured by the Freedman Artcraft Engineering Corporation, have been selected on a Merit Specified basis for use and display in Case Study House: 1976, a project of the magazine AMERICAN REGISTERED ARCHITECT.

For more information write Dept A, FREEDMAN ARTCRAFT ENGINEERING CORPORATION, P.O. Box 228, Charlevoix, MI 49720 Phone (616) 547-6501 TWX 810-291-3382
system, designed to provide a smooth flow of water.

Another Kohler Original is the Steeping Bath. This tub is extra deep for soaking pleasure and extra wide for comfortable back support. It features Safeguard slip-resistant bottom and safety grip handles, and is available in 14 exciting colors.

To add color and convenience to leisure living, Kohler has come out with a line of new brightly colored acrylic bar sinks. Perfect for the family room or patio, these sinks make entertaining easier and more enjoyable.

Kohler remains the leader in the finest, newest and most original soap and water fixtures.

For more information, write: Kohler Company, Kohler, Wisc. 53044.

Medeco Locks Provide Design Options And Maximum Security

Put Number 228 on Coupon

For security and protection of life, valuables and property, Medeco Security Locks, Inc. of Salem, Virginia, is a national leader.

This company fully understands the principles imperative in providing maximum security, and furnishes a complete product line of UL listed high security deadbolts, mortise and rim cylinders and padlocks.

Medeco Ultra 700 lock is a security deadbolt which is handsomely designed to complement the appearance of any door. There are no attaching screws on either side of the lock. This design prevents prying or twisting off, thus preventing unlawful removal of the lock or any portion thereof. This lock can be mounted on wood or steel doors.

Recognizing that the security afforded by any lock latching mechanism is dependent upon the lock cylinder which operates it, Medeco adapts a unique principle which provides a key change multiplier that can supply more than 23,000,000 non-interchangeable combinations.

Security of the control unit of burglar alarm systems can be greatly enhanced by the addition of a Medeco rotary switch lock. This lock affords 90° operation and key withdrawal in two positions, and its functions may be varied to encompass many different applications.

All UL listed, Medeco provides a full product line of security deadbolts, security cylinders for heavy duty, cylindrical locksets, padlocks and tubular deadbolts, security mortise and rim cylinders, security locks for rotary switches, and high security padlocks.

Offered as an option to the Medeco complete line of mortise, rim and cylindrical cylinders is the Omega series of cylinders. This line features a unique restricted key with no provision for duplication. When the keys are made, the combination is eliminated. Hence, a unique cylinder with a unique non-duplicable key.

Medeco's high security padlocks have a solid bronze body with 7/16 diameter stainless steel shackle. Bolt and cover are stainless steel. This lock features toe and heel deadbolt locking action, top loaded removable and 6 pin Medeco cylinder.

The 50-000 series Medeco security padlock features removable cylinders. Its body is solid brass and its action is either snaplock or deadbolt. This too can be keyed to existing or new Medeco systems.

For more information, write: Medeco Security Locks, Inc., Post Office Box 1075, Salem, Va. 24153.

New Showerhead By Merwin Reduces Hot Water, Sewage Bills

Put Number 229 on Coupon

The totally new 321™ brand showerhead by Merwin Manufacturing Company cuts water 3-to-1 while at the same time it reduces water heating bills. Instead of using the customary 6 gallons or more per minute, this showerhead uses only two gallons. The result is up to 60% on shower water heating bills and also in reduced sewage fees based on water fees.

Merwin Manufacturing Company of New York has designed a totally new showerhead which cuts water use 3 to 1. It saves up to 60% on shower heating bills and reduced sewage fees based on water use. This new showerhead comes in four different models.

Four models are available. Mark I features a vandal proof, shut-off control valve. Mark II is vandal proof, but has no shut-off control valve. Mark III does not feature vandal proofing but has shut-off control valve. Mark IV is the standard model. It features neither vandal proofing nor valve.

With the exception of seals, all parts used are non-corrosive high standard strength aluminum alloy 6061T6. All metal parts are anodized to give a glass hard, scratch-free surface. The seals are standard size O-rings compounded for hot and cold water service. Teflon tape makes the showerhead watertight and provides a corrosion resistant connection of the showerhead to the water pipe.
The showerhead is so devised that it is self-cleaning of any dirt which would normally be found in any water system. If large particles are found they can be removed from the spray plate by removing the end bell and dropping out the spray plate and cleaning the holes with a toothpick.

Merwin’s showerhead is so designed that it deflects the jets of water against the interior of the head and bell. This breaks up the stream to a very pleasant conical pattern and results in giving the effect of a much larger flow of water.

The advantages of the 321 showerhead, include the reduction of water cost, water heating, water softener cycle time, as well as the reduction in running time of private well pumps, and septic tank system loads.

No special tools are needed to install the standard 321 showerhead and the showerhead is self-cleaning and trouble-free.

For more information, write: Merwin Manufacturing Company, 136 East Fourth Street, Dunkirk, N.Y. 14048.

**For Indoor, Outdoor Fly Control The Modern Way: It’s Rid-O-Ray**

**Put Number 230 on Coupon**

The Rid-O-Ray electric insect control device, has finally helped win the war against insects, and does it in the modern way. No longer is it necessary to retreat from these bothersome pests.

The Rid-O-Ray Company has developed a uniquely designed unit which provides complete 360° radial attraction for flies. The exclusive Spectral-Glo panels and sophisticated black light technology attract flies and other phototropic or light sensitive insects to electrically-charged grids. In a second, these pests are electrocuted and drop into a sanitary collection tray which can then be easily removed and cleaned.

When properly installed and maintained, this insect control device is entirely safe for children and pets. Its operation is low cost. On an average, it uses no more power than a 100-watt bulb. It is virtually maintenance-free since there are no moving parts to wear out.

No longer is there a need for costly pest strips, sprays and chemicals. For optimum outdoor effectiveness, the units should be in operation 24 hours a day, and should be placed between the source of infestation, such as garbage cans, and the area to be protected. For optimum indoor effectiveness, units should be installed near entrances or exits, or wherever flies can be quickly intercepted.

A built-in microswitch automatically deactivates the unit when the screen is removed. The screen and pan assembly are easy to remove for clean-up and tray or bulb replacement.

For only pennies a day, flies, mosquitoes, moths, gnats and other flying insects can be instantly destroyed so that patios, pools, backyard or other outdoor recreation areas can be enjoyable once more. Wherever flies tend to congregate, in such food-processing areas such as kitchens, restaurants or packing plants, Flygon Models 150 and 200 are especially effective.

For more information, write: Rid-O-Ray, Division of Charmglow Products, Post Office Box 127, Bristol, Wisc. 53104.

**McGraw-Edison Makes Bold And Innovative Evaporative Cooling**

Put Number 231 on Coupon

At home, in industry, in recreation or in agriculture, users have acclaimed the McGraw-Edison evaporative cooling system. This industry leader for over 30 years, has shown that evaporative cooling provides comfort, and proves that the system is profitable, as well.

With the cost of power going up and up, McGraw-Edison took an aggressive attitude toward finding the least expensive way to provide cooling, and has enabled customers everywhere to save at least 75% in electric costs alone.

McGraw-Edison, mindful that utility rates are going up, and recognizing that air conditioning is the single biggest drain of that energy, has come out with a full line of evaporative air coolers for residential, commercial and industrial use. These systems are engineered so that they can work in combination with air conditioning or by themselves.

The differences between cooling and air conditioning are many. Most residential air conditioning takes three motors, two blowers and a compressor of 3 or more horsepower. By comparison, a cooler uses only one motor of ½ horsepower or less, and a small 1/50 horsepower water pump. The energy and dollar savings between the two systems is astonishing, even though the McGraw-Edison evaporative air cooler de-
livers refreshing, cool, filtered air enough to assure comfort on dog days.

Down and side-draft ducted coolers, as well as window-view and mobile-home units in models from 2,000 to 14,000 c.f.m. ratings are available.

Commercial kitchens must have an exhaust system to help eliminate smoke, odor and grease-laden vapors. McGraw-Edison has introduced a make-up air system which does all the above, and actually reduced heating and air conditioning costs. National safety standards require commercial kitchens to supply make-up air in a volume to equal the quantity of air being exhausted. McGraw-Edison's make up air system eliminates negative pressure created by kitchen exhaust and amply replaces air while at the same time preventing back venting. This reduces heating and air conditioning expenses, costs of redecorating, eliminates erratic cycling of temperature control equipment, and doesn't cause pilot flame blow out or insect "suck in."

Evaporative cooling does more than just cool. The principle on which it operates is to return to the air the necessary moisture so vital to maintaining good health, by preventing dry skin, dry throat and dry sinuses. Further, it prevents static electricity from cracking furniture and woodwork. McGraw-Edison's evaporative cooling does all this and more, at a surprisingly low cost.

McGraw-Edison, the originator of packaged design, is U.L. listed and meets city code in all major cities.

For more information, write: McGraw-Edison Company, International Metal Products Division, 500 S. 15th Street, Phoenix, Ariz. 85036.

Timco Plastic Faced Doors Have Unlimited Function And Beauty

Put Number 232 on Coupon

Timco Industries of Texas, Inc., one of the pioneers in the marketing, developing and manufacturing of plastic faced doors, announces that the plastic faced door has finally come of age. Through years of planning, Timco has seen their product evolve into an economical, mass-produced commodity of exquisite beauty and unlimited function.

All across America, the commercial and institutional construction markets have stated that Timco plastic laminate faced doors fully meet the stringent demands of these fields.

Aided by the emergence of sophisticated new production equipment and the many advances both architectural and technological in the field of high pressure laminate, Timco has grown to prominence in the industry.

Timco Industries of Texas is one of the pioneers in the marketing, developing and manufacturing of plastic faced doors. With the emergence of sophisticated new production equipment, as well as advances in the field of high pressure laminates, Timco has grown to prominence in the plastic faced door industry. No longer are these doors expensive, nor must they be custom-made. Rather, Timco has helped the plastic laminate faced door to evolve into an economical, mass-produced commodity of exquisite beauty and unlimited function. Each door is carefully inspected by a quality control expert to assure uniform excellence.

Timco lead lined doors feature lead rivets and sheets. They are available in thicknesses from 1/32" to ½". Doors are available from 4' to 10'. Core components are bonded with adhesive and then lead riveted for further security.

The plastic faced Erster door is ideally suited for use in schools, hotels, hospitals and office buildings. The 1/16" high pressure laminate faces are highly impact-resistant and relatively maintenance free.

To meet the market demands for a lower cost solid core door with attractive features of high pressure laminate, Timco has introduced the new 1.70 Series door similar to the Erster Door, but featuring a thinner laminate, this model is available in a wide range of colors and patterns and can be used to excellent maintenance-free advantage in non-heavily trafficked areas.

In the field of plastic faced fire doors, Timco has been authorized by Underwriters Laboratories to manufacture and label single swinging plastic covered composite core fire doors with ratings of ½ hr, 1 hour and 1½ hour.

As workable as hardwood, Timco plastic laminate faced doors come in a large color range. The hardwood stile edges can be rubbed with an oil stain in a tone compatible with wood-grained plastic faces, and the end result is a surface virtually undistinguishable from fine wood.

Each and every door is carefully inspected before being cleaned and individually cartoned in cardboard, and thus each Timco door is provided maximum protection in transit so that it arrives on the jobsite in top condition.

For more information, write: Timco Industries, Inc., Post Office Box 71, Cuero, Texas 77954.

Casa Talamantes Makes A Limited Supply Of Handcrafted Furniture

Put Number 233 on Coupon

Casa Talamantes is a small, limited production shop which specializes in individually handcrafted furniture. Discriminating people all across the country who are looking for truly unique furniture, have

Any chair made by Casa Talamantes can be had with several style seats. The selection includes palm seats, wood seats, narrow leather laceing or wide leather straps attached with large hand wrought iron nails. Or, if desired, only the frames can be had. Seasoned pine and various tropical hardwoods are used throughout.

found this El Paso, Texas shop produces the most interesting and excellently crafted pieces.

The catalog of furniture possibilities i. extensive. Some of them are here listed:

No. 80-Armarlo, is an extraordinary cabinet from Jalisco in Mexico's Far West. With roots in far off Spain and Moorish
North Africa, modified in the 17th and 18th century by native Indian craftsmen, this piece is carved entirely by hand. The undulating lines of the hand-planed surface give the piece an antique feeling. The base, No. 80A, has a charminingly crude carved shell and cupid design on the drawer fronts, with a handsome floral carving on the sides.

Carved secretary, No. 34CP, is 80” high, 33” wide and 20” deep. It is entirely hand carved and can be painted in whatever color is desired. The writing surface and interior of the secretary are done in hand rubbed tropical hardwood.

A monumental extension table from Aragon is No. 74. The Spanish chairs which accompany it have leather sling seats and cushioned backs with wrought iron nails.

In many designs, dimensions and finishes are secretaries, tables, chests, bedsteads, and a full array of chairs.

danish oil to a durable, rich, soft luster.
Catalog is available on request.
For more information, write: Casa Talamantes, 117 N. Awbrey, El Paso, Texas 79905.

Red Goat Food Waste Disposers Chew Up Everything In Sight

Put Number 234 on Coupon

Red Goat’s line of waste food disposers, operates on the principle of impact disintegration. Waste is struck at terrific velocity by two rigid, fixed impact bars, and is thus blasted to bits. It is precisely this method of food waste disposal which is so successfully handled nationwide by Red Goat, in residences, restaurants, hotels, hospitals, laboratories, schools and universities, drive-ins, cafeterias, supermarkets and commissaries.

Recognizing the many needs for food waste disposer systems, Colerain manufactures four series whose rotors range from 6” to 15” and which start at 3/4 HP and go up to 15 HP.

Food waste disposers are needed in homes, restaurants, hotels, hospitals, laboratories, schools, universities, drive-ins, cafeterias, supermarkets and commissaries. It is also essential that these food disposers come in various sizes to accommodate the variety of services they are to perform. And, they should be rugged and trouble-free. Red Goat food waste disposers meet all of these criteria and without worry, maintenance problems or downtime.

Specifications for Red Goat food waste disposers call for a stainless steel control center which includes electronic time delay, start-stop lighted buttons, panel cover interlock with circuit breaker switch, solenoid valve and door locker to prevent opening the door when the power is on, and full voltage magnetic starter with both overload and undervoltage protection. The center is pre-wired and pre-set at the factory. Complete automatic systems are available.

The rotor is the only moving part to be found in Red Goat’s food waste disposer. With this simple system, maintenance is at a minimum. No cutters to dull and chip and no swinging hammers to jam and break means very little downtime. Furthermore, if servicing is needed, it can be accom-
All units, whether intended for use in refrigeration systems in the supermarket industry or air conditioning applications for use in environmental comfort systems, have been engineered for quick easy installation. They are dependable and trouble-free and all models carry UL and NSF approval.

Singer also offers an unequalled variety of heating coils in several different configurations, thus enabling the client to select the perfect coil for a particular requirement. Types Z, U, A, B & F are steam and hot water duct mounted booster coils. Type W are hot water coils, Types S and E are steam coils.

There is also a complete line of Singer cooling coils. Depending upon the installation requirements, Type D, rapid drain chilled water coils are useful. Type W are chilled water coils, and Type X are the refrigerant coils. All coils used in water circuitry are non-ferrous for enduring reliability.

Singer maintains a national sales force with regional sales managers and representatives, thus assuring clients of ready assistance with coil selections and pricing.

For more information write: Singer Climate Control Division, The Singer Company, 602 Sunnyvale Drive, Wilmington, N.C. 28401.

Roberts Products Lead Gushes In Water Trickle Irrigation

Put Number 236 on Coupon

Only 20 years ago, the Roberts family, after a long career as land developers and builders, started planting citrus on reclaimed land. Not finding an effective, economical means for watering and nourishing their trees, Roberts designed and developed a small gadget with a miniature spray that was efficient and put water exactly at the root zone. The SpotSpitter, as it was called, became instantly popular with neighboring farmers and wholesale nurserymen, and Roberts Irrigation Products was launched. To this day, clients nationwide acknowledge the company as pioneers and leaders in trickle irrigation technology.

The highly efficient SpotSpitter is a directional spray. It assures uniform growth in plants, controls optimum moisture level in the soil in the root zone, allows continuous feeding or broadcasting of nutrients to trees or plants and provides ample water during hot spells. All of these benefits are enjoyed without wasting water and nutrients and without injuring plants.

Roberts spinner sprinklers are the fast revolving units which produce excellent patterns, small droplets and produce less erosion. The nozzles are easily adjustable without tools to vary patterns.

Impulse sprinklers are equally reliable, provide uniform coverage, and operate at low to very high pressure with no hang-ups.

After a long career as land developers and builders, the Roberts family started citrus planting on reclaimed land in 1958. It was then that their search began for the most effective means by which to feed water and nutrients directly to the root zone of their plants. Here the SpotSpitter®, the little gadget that could aim a spray directionally, was invented.

Roberts Trickle Irrigation Systems have been successfully used in greenhouses and shadehouses, agriculture and in nursery and landscaping application. There is also a line of home watering kits and packaged products to help the home gardener make the most of his garden. Roberts even makes a patio system which can be entirely hidden, and an indoor system, as well.

There are Roberts home trickle watering systems for vegetable gardens, or patio containers. A home kit including all fittings and easy instructions is available.

Roberts, pioneers and leaders in trickle irrigation technology, has a watering system for any need.

For more information write: Roberts Irrigation Products, 700 Rancheros Dr., San Marcos, Ca. 92069.

Hunter Exhaust Fans Cool Attics And Cut Air Conditioning Costs

Put Number 237 on Coupon

Energy conservation and lower costs has become a growing concern to builders, architects and homeowners in the United States. The Hunter Division of Robbins & Myers, Inc. of Memphis, Tennessee has found one extremely useful means of addressing and solving both problems.

Hunter now offers a new line of attic exhaust fans that lowers attic temperatures and cuts down on the customary high cost of running air conditioning. The company has introduced three new fans which actually run on ordinary household current and which cost as little to operate as a 150-watt light bulb.

Builders, architects and homeowners all across the country are searching for ways of conserving energy and cutting costs. The Hunter Division of Robbins & Myers, Inc. of Tennessee has found an important method of conserving energy. They offer a new line of attic exhaust fans designed to lower attic temperatures substantially, and make sizable cuts in the cost of air conditioning. The Hunter line, already in great demand, has now introduced three new fans which operate on ordinary household current and which cost as little to operate as a 150-watt light bulb.

Each of these three new models have their own special features. For example, Model 22240, Exhaust-Aire, can be installed in gable or slanted roofs. It extends only 7-7/8 inches above the roof decking. The deep pitched 14 inch blades and powerful motor have been especially constructed for use in extra large attics. The spiral wound inside safety guard meets U.L. and OSHA probe requirements.

Model 22260, Astro-Aire, can be installed in slanted or flat roofs, and features a dome that lifts automatically when the fan is turned on and lowers when the fan is turned off. The maximum profile on this
fan is only 4½ inches. This unit also features 14 inch deep pitched 7-paddle rexene plastic impeller.

Model 22261 and 22262—Attic Exhauster—comes with 12 inch fan for cooling 1,240 square feet and 16 inch fan to cool 2,450 square feet, respectively.

Each model has direct drive 120v, 60Hz shaded pole motors and automatic thermostat controls. And, each unit carries a five-year limited warranty.

Quiet, efficient, economical to run, and well constructed, Hunter shows how to lower attic temperatures and cut air conditioning costs with one fan.

For more information, write: Hunter Division/Robbins & Myers, Inc., Post Office Box 14775, Memphis, Tn. 38114.

Arno Ductape Is
Flexible Enough To Stick, Seal, Waterproof

Put Number 238 on Coupon

Arno Adhesive Tapes, Inc. of Indiana is the tape division of Dr. Scholl’s. For years, this line of ductape has been the favorite of H.V.A.C. contractors throughout the United States. A quick look at a comparison chart of competitive products will easily indicate why Arno is selected.

Whether it is Arno foil ductape, cloth ductape, trade and specialty items or utility tape, many are U.L. listed. And, wherever necessary that they do so, they also meet the stringent Federal specifications.

C-430 8 is aluminum foil, glass scrim, kraft paper which has been specifically designed for sealing seams of scrim reinforced, foil-faced duct insulation. It features high-tack elastomer-based adhesive with easy-release liner.

Arno Ductapes are U.L. rated. Whenever required to do so, they meet various Federal specifications. These tapes meet a full range of needs and are of high quality. Foil ductape, cloth ductape and many trade specialty items are available, many in colors.

commercial refrigeration systems and the like. It is also highly suitable for use on hot pipes.

For sealing, sticking and otherwise protecting, Arno tapes will do the job.

For more information, write: Arno Adhesive Tapes, Inc., P.O. Box 301, Michigan City, Indiana 46360.

Zonolite® Insulation
Masonry Fill By Grace
Is Energy Investment

Put Number 239 on Coupon

The most recent Federal Housing Administration standards for multi-family housing call for masonry walls with a heat loss factor no higher than .017. Zonolite Masonry Insulation by Grace has proved to be an efficient, economical means of bringing block walls into conformance all across America.

Zonolite Masonry Insulation is a sound investment which quickly pays for itself in savings of heating and cooling costs. As a matter of fact, because of substantial reductions in heat transmission, Zonolite frequently makes it possible to install smaller, less expensive heating and air conditioning units.

When poured into cores and cavities of masonry walls, Zonolite insulation forms a uniform, nonsettling barrier against the transmission of heat, sound and moisture. This barrier is permanent because Zonolite Masonry Insulation is inorganic Vermiculite. It will not rot, emit odors, attract vermin or support combustion.

Many residential and commercial masonry buildings such as schools, hospitals and hotels are constructed with 4-hour-rated walls. Zonolite Masonry Insulation provides added fire wall protection and gives an extra safety factor to occupants and fire fighters.

Zonolite Masonry Insulation is easy to install. It flows freely with no bridging or snagging on obstructions and leaves no voids. It insulates completely.

The most recent Federal Housing Administration standards for multi-family housing call for masonry walls with a heat loss factor no higher than .017. Zonolite Masonry Insulation by Grace has proved to be an efficient, economical means of bringing block walls into conformance.
Room-to-room noise transmission is reduced by as much as 31% in motels, hotels, hospitals, office and apartments protected with Zonolite Masonry Insulation.

Zonolite Masonry Insulation is specially treated for water repellency. It allowed no water permeation across the cavity space through the vermiculite during intensive tests under criteria established by the National Bureau of Standards.

When poured into cores and cavities of masonry walls, Zonolite insulation forms a single component which acts as a uniform, nonsettling barrier against heat, sound and moisture. This barrier is permanent because Zonolite insulation is inorganic. Furthermore, it will not rot, emit odors, attract vermin or support combustion.


Roman Fountains Create Unusual Water Displays Of Beauty And Interest

Put Number 240 on Coupon

Roman Fountains, Inc. of Albuquerque, New Mexico, has been making fountains and accessory products since 1961. During the 16 years that the company has been doing business, it has shipped over 80,000 fountains and water displays to all parts of the world. People everywhere find moving, bubbling water soothing, restful and interesting.

These fountains are not at all complicated. Although they are available in all sizes and configurations, they do not require costly plumbing or construction. Furthermore, even the cost of operation is minimal since the same water is recycled and used over and over again.

Fountains are available in essentially three basic forms. For example, instant fountains ranging in size from 2 to 12 feet in diameter, complete with fiberglass pools in a choice of colors can be had in a varied price range.

Approximately 80% of all fountains sold through design efforts of architects are fountain kits. This package contains all the equipment necessary for placement in any pool of any size and come in any price range.

Or, there is a combination of fountain kits, fountain equipment or custom fabrications to meet design requirements of architects and designers. These are suitable for prominent display in civic projects, shopping centers, city parks, major building developments and similar projects.

Design and material possibilities for use in Roman Fountains are unlimited. They can be made with redwood, fiberglass, or metal sculpture focal points of interest. The company offers unusual water attractions, as well, consisting of rain effects, water spheres or ring arrangements.

The newest and most unusual fountain made by this enterprising company is its floating fountain. All equipment is furnished, including a foam filled fiberglass float. Power cables of sufficient length are part of the package which is shipped ready to be placed in any lake or pond and merely hooked up to the power source.

For more information, write: Roman Fountains, Inc., Post Office Box 10190, Albuquerque, N.M. 87114.

Allied Lights Way With Modern And New Raceway System

Put Number 241 on Coupon

In 1893, ordinary pipe was selected for mechanical protection of insulated electrical conductors. Wires were pulled through previously installed illuminating gas pipe. The dimensions of this pipe agree with the current Schedule 40 pipe for galvanized rigid conduit (GRC). In 1972, concern over the shortage of basic steel and energy emphasized the need for the developmen
thread using 3/8 inch per foot taper with a truncated root and crest. Evolution in development of the product made it possible to use the same 3/8 inch per foot taper used on GRC.

Thus it was in 1974 the UL 1242 was issued setting forth the limits on wall thickness and outside diameter for each of ten sizes of intermediate metal conduit (IMC), as well as specifications for the 3/4 inch NPT taper thread. This standard thread form assures compatibility of IMC with all threaded electrical fittings which are listed and labeled for use with GRC.

The advantages of IMC are many. First, its wall thickness provides for an average of 30% savings in weight while at the same time providing larger internal diameters. Next, IMC can withstand severe physical abuse. It is protected from corrosion by zinc and zinc-chromate coatings which resist the effects of atmosphere. IMC installed in concrete and buried in the earth will provide the same performance as rigid conduit. Furthermore, the interior coating combines with the larger interior cross-section to provide easier wire-pulling. Allied utilizes the standard 3/4 inch per foot taper conduit thread in its fabrication process. IMC may be threaded with standard tapered pipe dies or chasers in the field and can be used with standard electrical fittings, connectors, junction boxes and outlets.

Data Terminal Systems
Is Leader In Retail Business Controls

Put Number 242 on Coupon

At a time when other manufacturers of electronic cash registers, point-of-sale terminals and related equipment were going out of business, Data Terminal Systems, Inc. came on the scene. From approximately $1.5 million sales in 1972, its first year, this firm has increased its share of the market to some $11 million for the year ended January 31, 1976. Not only is this company growing and expanding nationally, it has many satisfied international clients, too.

Large department stores and supermarkets were the first to recognize that electronic systems would not only improve employee productivity, but would furnish valuable sales and inventory information, as well. Inasmuch as the DTS systems are inexpensive when compared to the extensive computer hardware and software otherwise needed to automate a business, many companies have flocked to Data.

Large department stores and supermarkets are very much in need of electronic point-of-sale terminals. With this data, management could track cash and inventories even though the various stores are far from their area. By automation, Data Terminal Systems has provided these clients with a comparatively inexpensive means of improving employee productivity, as well as gathering highly essential information.

For more information, write: Data Terminal Systems, 124 Acton Street, Maynard, Mass. 01754.

Silent Watchman's
New Lock-up System
Protects Against Loss

Put Number 243 on Coupon

The Silent Watchman Corporation of Columbus, Ohio has been a leader in security locks and alarms since 1914. And, from the beginning, clients all across the country have looked for protection to this highly respected company.

Always on the lookout for ways and means of preventing loss, Silent Watchman has now come out with several added forms of protection.

The lock-up system works by an exchange of keys from one lock to the next. It guarantees that all doors are physically deadbolt locked at closing time. No door may be forgotten. Only after all the doors are locked can you create a locking of the day, time, and key letter used for locking the entire premises and turning on the alarm, if you so wish. It's mechanical in nature and can include any number of doors. The distance between doors does not matter because there are no wires between doors. No door can be forgotten.
The recording door lock, introduced by the Silent Watchman Corporation of Columbus, Ohio, provides extensive management control over all types of business premises. By limiting access to authorized persons and by recording the day, time and who enters, there is significant reduction in pilferage. The Controlock can be installed on all types of doors and only the last door locked can be unlocked from the outside. It is this last door that makes a recording and sets the alarm.

Another product in the line of defense is the Controlock, a recording door lock which electronically records the day and time of all lockings and unlockings, as well as the key number of the user. Thus, extensive management control is exercised in all types of business premises and stock rooms, and significant reduction in pilferage losses result.

The Controlock records information on a pressure-sensitive tape which can be decoded by the company itself, or sent to Silent Watchman for decoding. Further, this system can be installed on any type of door and uses special coded keys which are extremely difficult to duplicate.

A new concept in alarm protection is The Silent Watchman Alarm. It is designed to chase burglars from any protected area. Its ear-splitting 125db pulsating siren thwarts even the most sophisticated thief, who cannot psychologically or physiologically take the sound.

The Silent Watchman Alarm is a new concept in alarm protection. Its ear-splitting 125db pulsating siren thwarts even the most sophisticated thief and forces him to run. Not only does this alarm notify neighbors of an impending burglary, but it causes the would-be thief real psychological and physiological pain which he cannot overcome. This self-contained alarm system is activated by the heat of the human body. Thus, a burglar anywhere within a 1600 square foot area triggers this heavy-duty, high-peaked, electronically pulsed siren.

The Silent Watchman Corporation designs systems for commercial and industrial establishments for the protection of high value merchandise as well as valuable records and supplies.

For more information, write: The Silent Watchman Corporation, 4861 McGaw Road, Columbus, Ohio 43207.

Omni Features New Concepts In Water, Energy Conservation

Put Number 244 on Coupon

Omni products, a California based company, has introduced two revolutionary new concepts to the plumbing industry. Both concepts are concerned with the field of water and energy conservation through flow control.

With the dramatic increases in utilities costs, flow control has become a very important issue. New innovations in this field have been urgently needed.

The control characteristic of the Omni device is unique in that fluid passing through the flow control is forced to make four, ninety degree turns. This translates into a fluid pressure drop across the flow control which means a reduction in velocity consequently, it is noise free. By requiring very little working compression of the elastomeric member it adds considerably to its life expectancy.

The unit is compact, easily removable, easy to clean and cannot be improperly installed. Because of its design, the Omni flow control disperses the fluid downstream of the device, not at the center but around the periphery, which provides better performance. Of all the flow controls tested by a leading faucet manufacturer on their production shower heads, the Omni device was the only one to satisfy section 15.2 of federal specification WWP-541-b.

With the flow control, Omni also incorporates, a type of flow known as laminar or viscous flow. With this type of flow the fluid particles move in parallel layers, each of which has a constant velocity and is in relative motion to its neighboring layers.

This velocity is very low in comparison to aerated streams and results in a transparent, crystal clear, solid stream of water that exhibits excellent cohesion, softness, increased wetting ability and no splash. Because of these properties the discharge rates can be reduced dramatically and the appearance of the stream still remains as a full volume stream.

Omni Products, a California based company, has introduced to the plumbing industry two revolutionary new concepts. They have designed faucet and showerhead adapters which assure water and energy conservation through flow control. These much needed innovations dramatically decrease the cost of utilities ordinarily used.

The Omni device is noise free. It cannot be installed improperly. It is easy to remove and clean. Savings on water and energy bills are dramatic, and satisfaction is absolutely assured.

The Omni laminar stream is also desirable from a health standpoint as it does not aspirate air into the water stream.

As pointed out by certain health authorities, the aspiration of air into the water stream can result in microorganisms that are freely suspended in the atmosphere, becoming lodged in the crevices of the aerators and further introduction into the stream itself.

The Omni concept is a total water conservation program, adaptable to the discharge point of every faucet and shower head. The cost savings to the consumer are very dramatic and as utilities costs continue to climb it becomes almost mandatory that this type of device be employed.

The flow controls are available in 3.0,
2.0 and 1.5 gallon per minute discharge rates. The adapter housings and laminar flow devices are adaptable directly to 15/16" and 55/64"-27 standard faucet threads. For shower application, 5/8" ips size is furnished. The shower adapters and laminar flow housings can be furnished with a vandal proof feature at additional cost.

After five months of exposure in the California market place, individual homeowners, apartment owners and large hotels have been using the flow controls with complete satisfaction in all areas. Cost savings have been more than anticipated.

For more information, write Omni Products, 55666-B Yucca Trail, Yucca Valley, California 92284.

In Vintage House Wine Cellars Wine Grows Old Gracefully, Tastefully

Put Number 245 on Coupon

Wine needs a cool, dark, quiet place in which to rest and mature into truly fine wine. Vintage House Inc. people know how to achieve that environment.

The Wine Cellar People, two cooling units for maintaining the desired temperature of 55° in a wine cellar. Their Wine-Minder Mini Cellar Cooler will hold the necessary temperature in a cellar up to 200 cubic feet in size (a room 5x5x8 feet), and their Wine-Minder Cellar Cooler unit will handle rooms from 200 cubic feet up to 800 cubic feet (a room 10x10x8 feet). They also stock polystyrene insulating material, a special energy conserving light switch and the traditional diamond style shelving for the wine bottles to rest on.

They will work closely with the architect and/or builder in the initial planning stages of the proposed wine cellar to be sure the cellar is insulated correctly to achieve the most efficient operation from the cooling system. Upon completion of the cellar, they will inspect it and put their Seal of Approval on it in the form of a small, attractive plaque affixed to the wall of the wine cellar certifying the cellar has been built correctly and is truly a fine wine cellar.

In addition to their Consulting Service for the construction of custom built wine cellars, they also manufacture a very handsome furniture piece called THE WINE TIME MACHINE which is a wine cellar. The cellar is made of Teak wood finished to a walnut color and styled to complement any decor. It holds 100 bottles of wine and its thermostat controlled cooling unit maintains a constant temperature within it year round. This unit also comes unfinished and in natural Teak. It can be built into a wall for those who just want a small wine cellar.

A wine cellar is a strong selling point for homes or condominiums and gives the property a more prestigious atmosphere. If you would like to put a wine cellar in your project, contact “The Wine Cellar People.”

For more information, write: Vintage House Inc. 1254 Montgomery Ave. San Bruno, California 94066.

Murray Plastic Laminate Emphasizes Good Looks, Excellent Design

Put Number 246 on Coupon

Murray Export Industries, established in 1881, is now one of the larger manufacturers of modular furniture in the British Isles. The latest furniture technology is applied for economic production of top quality units, more than 70% of which are exported to England, Scotland, Canada and the United States. Their line has been confidently specified by architects everywhere, with great success.

This company is not just interested in turning out institutional units that have a pretty face. Rather, the company places great emphasis on good design. Its design panel constantly researches new ideas, materials and colors, as well as technical developments and fashion trends. Styling is contemporary and features clean lines, rich colors and authentic woodgrains all in the very best European design.

Special attention is given to assure a durable finish which can withstand constant usage and wear. The smooth flush finish also makes complete cleaning very easy. Even the inside of the units are plastic laminate.

The units feature a unique and totally concealed 180° hinge with smooth self-closing action—all adjustable and assuring constant clean lines. The extruded PVC drawers run on epoxy-coated metal runners and nylon rollers, all pre-tested for excellent wearability. And, to match any decor, the 4004 plastic laminate range is available in eleven popular colors.

Murray Institutional units have plastic laminated surfaces inside and out. This durable finish withstands wear from constant usage. Units are modular in design and can be combined in assemblies to fit floor plans and functional requirements of any kind.

For more information, write: Murray Export Industries, Post Office Box 686, Westfield, N.J. 07090.
Raymond Products:  
Is A Proven Name  
In Quality Hardware

Put Number 247 on Coupon

Across America, builders have tested, approved and are using Kloset King Hardware, the high quality product line of Raymond Products Company of Minnesota and Pennsylvania. Designed and engineered to make the builder's job easier and faster, Kloset King Hardware assures excellent value for style, easy installation and dependability.

Kloset King features a full line of closet rods, pole sockets and adjustable shelf and pole brackets.

The new improved closed rod is easy to install as 1-2-3. A unique knock-off piece assures a neat easy flush fit on flush surfaces. The rod can be extended to any desired width. It takes only two screws to hold the rod securely in place.

Plated for lasting appearance, these rods are made of heavy gauge electric welded steel tubing. Each size provides a consider-

able overlap when fully extended to recommended maximum length, thus assuring maximum strength and eliminating sag.

Kloset King pole sockets hold pole securely in position with only a snap-in end. Made of rugged polyethylene, this socket will support even the heaviest load.

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able overlap when fully extended to recommended maximum length, thus assuring maximum strength and eliminating sag.

Kloset King pole sockets hold pole securely in position with only a snap-in end. Made of rugged polyethylene, this socket will support even the heaviest load. Its lasting neutral shade of beige harmonizes with any wood finish. Each set is packaged with mounting screws and nail and can be installed in seconds.

The adjustable shelf and pole brackets by Kloset King are made of reinforced steel and feature electrostatically finished baked enamel. They have been builder tested and approved.

Another product in the Raymond line is the Frost-Stop threshold. Fully insulated by a core of select oak, it provides protection to carpets and floors from moisture forming frost and damaging condensation. Heavy loads cannot crush or flatten this threshold. Its non-slip heavy lifetime extruded aluminum gives long wear and trouble-free service.

For more information, write: Raymond Products Company, 1565 Como Avenue, St. Paul, Minn. 55108.

Safety, Storage And Security All Provided  
By Bauer CPT Wall Safe

Put Number 248 on Coupon

The highly versatile CPT safe by Bauer Safe & Vault Company of Louisiana has been highly accepted in the world market. And now, American clients are discovering the many advantages of this precisely constructed safe.

CPT safes are easy to install into a closet or on any wall and require only 6½ inches clearance. Outer dimensions are 15.7 inches high, 11.8 inches wide and 6.7 inches deep.

There are multiple applications for CPT safes. In hotels, for example, guests who are reluctant to place their valuables in a safe deposit box at the front desk, may now do so in the privacy of their own room. They can feel entirely secure about their possessions, because the double-bitted key lock used in the CPT safe is pick-proof. Further, the safe can withstand fire up to one-half hour without damage.

Doctors especially are greatly relieved to store hard drugs in the CPT safe.

Private homes, cabins on cruise ships, hotel rooms, condominiums, apartments, trailers, mobile homes and automobiles are some of the places where these Swiss-crafted locks can be installed.

CPT room safes can be built to customer specifications with three different lock systems: 1) with one built-in single bladed lock for hotel rooms where guests use their very own double bladed key lock with inserts; 2) with double blade key lock; or 3) with two locks, one built-in single bladed key lock and a double bladed lock which can be rented by guests. It is even possible to have a CPT double-bladed key lock for use in all CPT room safes in the home or in hotel/motel rooms. The lock is easily inserted and removed from the safe door. When not in use, this lock can be stored in its own elegant case no larger than a cigarette box.

What greater tribute to safety than to state that Lloyds of London insurance covers this CPT safe for two years, all included in the original purchase price.

For more information, write: Roger Brodmann, Bauer Safe & Vault Company, 1716 Elizabeth Avenue, Metarie, La. 70003.
Perma-Top Leads In Providing Smoke, Fly Ash and Draft Control

Put Number 249 on Coupon

The possibility of fire has long been considered a major hazard to industry, commercial plants and institutions. After many years of involved testing, Perma-Top has come out with a full line of spark arresters, chimney tops, incinerators and fire screens. Scientifically planned, these products have earned the appreciation of clients nationwide.

Perma-Top chimney tops and spark arresters eliminate the recurring expense of replacing tops and arresters which have become corroded thus failing to provide much needed protection. The unique feature about the Perma-Top products is that they have been scientifically planned. Perforations in the sides and top permit the gradual escape of heat, gases and fly ash. The size and number of the perforations, being accurately proportioned to the chimney area, provides optimum draft while eliminating flying sparks.

These chambers can be constructed of metal, masonry or lightweight, non-rusting John-Manville transite with a galvanized metal angle frame.

Perma-Top of Pennsylvania is a member of the Air Pollution Control Association. Its product line has been approved by the Pittsburgh Bureau of Smoke Prevention, New York City Board of Standards and Appeals and New York City Division of New York Fire Insurance Rating Organization.

For more information, write: The Perma-Top Company, 410 Shadyhill Road, Pittsburgh, Pa. 15205.

National's Furniture, Equipment Provide Comfort And Prestige

Put Number 250 on Coupon

National Business Furniture of Wisconsin manufactures top quality furniture and equipment which clients all across the United States own with pride. In their catalog can be found furniture and equipment, all manufactured of the finest materials, and ready for rough use in offices, reception rooms, drafting rooms, shops, warehouses and institutions of every kind.

The product line of this company is extensive and ranges from chairs of every kind, to desks, filing cabinets, tables, bookcases, seating arrangements, heaters, and many more items.

Although all furniture and equipment is made of the finest available materials, National's direct factory shipment makes it possible to keep prices down. Orders are filled in 2 to 4 weeks for in-stock products and in 3 to 6 weeks for prompt shipment.

The Slimstak is National's shelf filing breakthrough. The five mobile 7-shelf file sections come complete with tracks and rollers and provide instant access to all records. The trouble-free design features sections of heavy gauge steel with load-tested shelves that hold 260 lbs. of paper work and forms.

Set in crisp steel frames and featuring easy-care Naugahyde and carefree Formica are National's large assortment of reception area furniture and seating arrangements.

And, to breathe new life into the decor of any office, is a full range of pictures and plaques to decorate and beautify.

When National's private office closes its walnut grain doors, the shop is closed. It is made of tough welded steel with drop-down desk, cork bulletin boards, storage compartments, file drawer and pockets, and two 110-volt outlets.

National's policy of direct factory shipment keeps prices low. Their toll free number makes it so easy for customers to order in the convenience of their own

American Registered Architect 23
office. And, shipping dates are entirely dependable.

For more information, write: National Business Furniture, 222 East Michigan Street, Milwaukee, Wisc. 53202.

**Diack’s Overhead Sliding Glass Track Makes Closures Easy**

Put Number 251 on Coupon

Ever since A. Geo. Diack Company developed its overhead sliding glass track, clients everywhere have been solving the tough problems so peculiar to sliding, frameless glass doors.

Working with plate glass is much different than working with wood, thus many problems arose. However, by using an aluminum extrusion that was ingeniously fastened to the top edge of the glass with a web, to which overhead rollers were fastened, glass doors were made to slide perfectly.

![Image of Diack's Overhead Sliding Glass Track](image)

Restaurant owners wanting to exhibit their wares to customers, thereby to tempt them, found that the framed overhead track hung on a slant to accommodate a mirror served two purposes. First, it put the displayed food at customer eye level, and further it met with all regulations for bakery goods.

Inasmuch as working with plate glass is entirely different from working with wood, aluminum extrusions were used. By fastening these extrusions in an ingenious way to the top edge of the glass by use of a web, and by fastening overhead rollers, the many problems involved with sliding glass doors were solved.

Drive-ins and other take-out food stands brought other restrictions, such as: no underneath track was permitted, there was to be a sliding plate glass to be used at closing time. By developing proper catches and locks to operate in these restricted areas, Diack solved these problems too.

Boards of Health in most major cities outlawed underneath track for meat on bakery cases because crumbs gathering in the grooves of lower tracks was considered highly unsanitary. Furthermore, frameless glass doors were unacceptable because of the possibility of chipped glass from the exposed glass edges finding its way into food. A. Geo. Diack Co. supplied overhead framed glass doors and health regulations were met, customers were satisfied, and operators enjoyed the efficiency and convenience.

A. Geo Diack Co. supplies conventional or kingly extruded aluminum showcases of every description.

For more information, write: A. Geo. Diack, Inc., 2212 E. Washington Boulevard, Los Angeles, Ca. 90021.

**Burns Walkway Covers Provide Year-round Weather Protection**

Put Number 252 on Coupon

Clients nationwide have expressed appreciation for the permanence, value and appearance of E.L. Burns Company, Inc. custom suspended canopies, stock canopies, verti-panel fascia systems, sky roof walkway covers and enclosed walkways.

Burns provides a single source of responsibility from planning through project completion. In-plant fabrication and assembly is rigidly supervised by skilled craftsmen. Even shipment is done via Burns custom vans, and installation is done by their craftsmen, as well.

The Burns custom suspended canopies, excel in meeting unusual snow and wind load factors. Different combinations of structural members, roof deck, fascia and finishes can be used to attain engineering standards, functions and desired appearance.

Stock canopies are factory assembled and shipped ready for erection. Three suspended and three column supported styles are available. These can be had in 3½ and 4½ foot projections and lengths up to 24 feet. The units can be easily abutted and flashed for quick and economical installation of continuous canopy.

![Image of Burns Walkway Covers](image)

E.L. Burns Company, Inc., provides walkway covers of every description. The company offers a full range of custom suspended canopies, stock canopies, verti-panel fascia systems, skyroof walkway covers and enclosed walkways, all designed to meet architectural specification.

Sky roof walkway covers in barrel vault or pyramid dome designs can be had to 10 by 12 feet acrylic sheets which can be thermoformed into many shapes. These roof covers are available in clear, white, opalescent, gray or bronze tinted acrylic.

Burns offers the architect a large selection of enclosed walkway cover possibilities. Roof selections include single or double glazed barrel valuts, domes, flat bottom deck or suspended ceilings—all for easy installation with Burns’ special flanged roof deck.

For adding character to any project, the Burns new lightweight, lower cost 4 inch verti-panel fascia can be used instead of the customary 6 inch panel.

The many applications of Burns products can be used to link buildings and...
H&B interlocking movable Space Saver partitions have answered the problem of many businesses in need of changing interior design. Very often institutions, commercial facilities, schools, and the like, face the problem of how to maximize available space at minimal cost. H&B partitions show them how.

These partitions are strong and rigid, easy to erect and require very little maintenance.

H&B partitions come in a wide variety of decorative panels 1-9/16 inch thick. In combination, decorative or panel glass can be used. These fine line extrusions can be used interchangeably to meet changing space requirements.

With a minimum number of basic components, H&B Space Saver partitions change one floor plan into another. Panels are easy to erect and cost very little to maintain. They are readily movable and offer real esthetic appeal while delivering absolute freedom of design.

Built-in facilities to accommodate electrical wiring allows swift accessibility to the building’s communication network.

Parts or panels are available to accommodate changes to a present installation or for new projects. Any single panel may be removed or replaced without disturbing adjacent panels. All fastening used in securing these partitions is concealed artfully.

Thus, with H&B interlocking movable Space Saver partitions it is easy and inexpensive to add, arrange, rearrange, open or enclose available space to meet the needs of most organizations.

For more information, write: H&B Enterprise Corporation, 1150 Southard Street, P.O. Box 5531, Trenton, N.J. 08638.

Quaker Maid Kitchens Combine Extras, Beauty And Simple Efficiency

Put Number 253 on Coupon

Quaker Maid, a Tappan division, has long recognized that the kitchen is truly the heart of any home. It has designed and developed a full range of cabinetry that could indeed be rated as fine art. That is why clients across the country have transformed heir kitchens into highly individualized, well organized and attractive home centers with Quaker Maid.

There are finishes in oak and cherry, pecan, pine and batten. Hardware matches every decor and makes even the smallest touch in accordance with personal preference and taste.

“... finest quality materials ...”

Every Quaker Maid kitchen seems truly inspired, from the richness of the fine wood finishes to the multitudes of convenient features. The multi-storage pantry, for example, is a masterpiece of beauty and utility and is designed to hold a veritable mini-market of grocery items. The exclusive drawer system glides in or out at a touch and the drawer partitions themselves are so positioned as to provide a place for everything.

Quaker Maid is aware that the kitchen is the real heart of any home. In order for it to reflect individuality, there are many styles, finishes and hardware to choose from. No matter the model, only top quality material is used.
What makes Quaker Maid kitchens extra special is the full range of features that can be incorporated into any design or decor. For example, the multi-storage pantry is designed to efficiently store a veritable mini-market of grocery items. The base cabinets are a Quaker Maid exclusive for rotating cans, boxes, pots and pans to the front where they can be easily reached. These cabinets are of different heights and help to organize the small items which are generally misplaced on the back of ordinary shelves. There are cutlery dividers, tote trays, spice racks, all fitted right where they would be most handy.

The Patriot Pine kitchen has that old-country look. The knotty white pine is distressed and authentic antique brass or pewter hardware complements the decor. Or, Mayflower with its sedate styling and glowing brass or smoky pewter hardware, might be preferred. Cathedral, on the other hand, brings a look of refined elegance into the home, while Roman Curve introduces a bold line and classic design.

Quaker Maid also provides many cabinet styles and finishes in a full range of dining room hutches, bathroom vanities and wall furniture for convenient storage anywhere in the home.

For more information write: Quaker Maid, a Tappan division, Route 61, Leesport, Pa. 19533.

Cement Enamel Offers Prefabricated Wall System: Granostruct

Put Number 256 on Coupon

For over 50 years, specialized finish materials have been marked under the Cement Enamel Development, Inc. trademark. During these decades, their researchers have worked together to develop a versatile group of pre-engineered panels designed to meet urgent construction needs. By combining the versatility of steel stud framing with the beauty of a full range of exterior panel surfacings, components have been developed which are superior to other construction materials from a cost and performance viewpoint.

Ganostruct is a unique exterior wall system. It consists of a series of pre-fabricated units which attach easily to any conventional structural framework, thus creating the exterior wall of any building.

Lightweight thinner walls are possible with Ganostruct, thereby insulating capabilities are achieved by using fiberglass or mineral fiber insulation. Superior color uniformity is possible in over 150 aggregate, textured and sculptured finishes. And, the non-combustible units qualify for use in all Class A structures. All this is possible with Ganostruct, plus speedy erection, early completion, substantial savings in interim finance and lowered overhead costs.

Ganostruct is a unique exterior wall system by Cement Enamel Development, Inc. The series of pre-fabricated structural framework can be attached easily to any conventional structural framework. This easy answer to the exterior wall of any building saves costs.

Specify Ganostruct or Granowall with confidence as an effective alternative to heavier, more expensive and more restrictive panel systems.

For more information write: Cement Enamel Development, Inc., 26765 Fullerton Avenue, Detroit, Mich. 48239.

New ThermaSol Brings The Bathroom of Tomorrow Into Present

Put Number 257 on Coupon

ThermaSol of Leonia, New Jersey, has found a new function for a bathtub or shower stall. Make them double as a steam room. Set the timer switch, step into the tub or shower, close the vapor-proof sliding glass doors and enjoy a customized steam bath.

It is a private steam bath but unbelievably inexpensive to install. ThermaSol has developed a small bread-box size steam generator (8" x 15" x 20") that can be hidden away under the sink, in the cellar, in a closet or above the ceiling.

A ThermaSol is a customized steam bath. The ideal steam bath is at a temperature of about 110 degrees. Your complete ThermaSol steam bath starts you at room temperature, when your skin temperature is at about 84 degrees. No sudden blast of heat. The wet heat of ThermaSol brings the temperature gradually to 110 degrees or higher if you like. Your own temperature may rise to about 100 degrees. After the pre-set steam bath has ended, you may shower back down to the temperature you want... usually cool to wake up, warm to sleep.

What had been a luxury to many, a way of life for the Romans and grueling toil for their slaves is now a simple timer switch on the wall and a special anti-scald steam outlet head next to the faucets. Steam bathing has long been used for a number of ailments: acne, psoriasis, asthma, colds, backache, laryngitis, insomnia, arthritis, hangovers and just plain old tension. A
ThermaSol steam bath relaxes, opens skin pores, tones up aching muscles, soothes air passages. The steam outlet head even allows fragrances and medications to be added.

The ThermaSol steam bath is a convenient, economical technological advance on an ancient cure. Installation in one's own bathroom makes steam bathing as sanitary as one cares to keep his home. ThermaSol's extensive research program has produced what promises to be the innovation of the year in the bathroom remodeling field. Old-fashioned shower curtains, loose tiles, chipped tubs, missing grout and peeling wallpaper can be easily and economically covered over with ThermaSol's high-impact plastic wall and tub liners. Available in white, blue champagne and honeydew, the wall and tub liners with the sliding glass doors are like a step-in decorative box permanently cemented to wall and tub. They eliminate unsightly mold and mildew.

Many steam bath enthusiasts have discovered the private steam bath while staying at the over 600 hotels and motels that feature ThermaSol. To cater to these traveling devotees and to introduce others to the benefits of steam bathing, ThermaSol offers a free Travelers Guide to these fine motor hotels and a toll-free reservation and information number: 800-631-1601.

For more information, write: ThermaSol Ltd., ThermaSol Plaza, Leonia, N.J. 07605 or ThermaSol Ltd., 5300 Laurel Canyon Blvd., N. Hollywood, CA 91607.

Safway, The Original Hockey Dasher Maker, Also Makes Bleachers

Put Number 258 on Coupon

Safway Steel Products, the original hockey dasher manufacturer, is now featuring low maintenance and high quality dasher boards. Civic Centers, Arenas and Community Centers throughout the U.S. are extremely satisfied with the maintenance reduction realized by the purchasing of Safway dasher boards. With Safway's new polyethylene toprail and facing, low maintenance has been attained, and up to 80% reduction in maintenance costs has been reported in ice facilities.

Safway deluxe tubular steel bleachers provide comfortable seating up to 61 rows high. This sturdy, unified structure is adaptable to varied requirements. Installation on permanent foundations or wood pads is simple and economical.

When it comes to providing large seating capacities at a low cost per seat, Safway's Deluxe tubular bleachers fill the bill. They are simple to assemble, dismantle and move. They are sturdy, comfortable and

Safway, the original hockey dasher manufacturer also makes tubular steel Bleachers. All structures are engineered to meet professional standards. They are easy to set up, take down and store and are guaranteed to give long, trouble-free service.

give long-life service. Recognizing the restrictive budgets of schools, in particular, Safway permits a basic bleacher installation that can be added to easily as the budget permits.

Safway can design bleachers to fit practically any seating requirement. Permanent beam bleachers can be designed so as to provide maximum, comfortable seating at the lowest possible cost per seat, all with an absolute minimum in maintenance.

Without sacrificing strength, Safway Budget Master Bleachers provides up to 25 rows of safe, lightweight seating for maximum spectator capacity. Seating capacity can be expanded in several ways, thus taking into consideration the restricted budget of such clients as schools. The many options that Safway provides assure maximum comfort, safety and economy for each seat required.

Safway hockey dashers are easy to erect and dismantle. Floor-anchored dashers can be quickly taken down and stored so as to free the facility for other events. These dashers can be stored on convenient transportable carts when they are not in use. Because parts are interchangeable, a small crew can move dashers from storage to rink area in a matter of hours.

Professional and amateur league requirements are all met with Safway's heavy-gauge steel frame, welded construction. The steel frame construction and polyethylene surface are guaranteed to give long, trouble-free service.

For more information, write: Safway Steel Products, 6228 West State Street, Milwaukee, Wisconsin 53213.

For Weatherstripping, Soundproofing And Lightproofing Try Nitt

Put Number 259 on Coupon

A. Nitt & Son are manufacturers and distributors of a full product line of weather stripping, soundproofing and lightproofing, all designed to deliver economy, efficiency and comfort. Clients everywhere will attest to the excellence of these products.

In stock sizes from 18 feet to 48 inches, A. Nitt & Son provides automatic door bottoms that eliminate light, water and sound. The company's extruded aluminum saddles come in more than 50 varieties and configurations.

There are four series in A. Nitt door weatherstripping—wood, as well as four additional series in door weatherstripping—hollow metal. Double hung window installations come in a full range of possibilities also.

The A. Nitt & Son abrasive safety treads are widely known for beauty, endurance and safety. Diamond hard aluminum oxide grits are securely embedded into the surface, thus insuring a non-slip, longwearing tread. These treads are especially recommended for use in schools, hospitals, and

A. Nitt & Son is a New York company which manufactures and distributes a complete line of weatherstripping, soundproofing and lightproofing. These products can be had in cast or extruded aluminum, bronze, iron, rolled aluminum or rolled bronze. They also have a full product line in abrasive covered and filled thresholds. All items come in a wide range of sizes and lengths, and special orders can be filled with ease.

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industrial plants—all buildings where there is a heavy flow of foot traffic. The abrasive filled safety treads utilize aluminum oxide abrasive grain. These treads have a heat treated non-corrosive aluminum body and have been designed for beauty, longer life and maximum safety. Treads are available in lengths up to 12 feet, and special curves and angles can be maintained to suit any requirement.

All A. Nitt & Son products have been designed to give long and efficient wear. They are especially suited to withstand the hazards of extreme climate as well as constant and extreme usage.

For more information, write: A. Nitt & Son, 691 Nassau Road, Uniondale, L.I., New York 11553.

City Steel Hollow Metal Doors Feature Quality And Utility

Put Number 260 on Coupon

City Steel Door Corporation has been manufacturing hollow metal products for more than 65 years. There is no great surprise that this company has so many satisfied customers. The design quality of the products offered is excellent. Further, the company maintains a complete engineering division staffed by experts, highly trained in their field. The advisory service offered by the company has been used and appreciated by builders, contractors and homeowners, who have had their unusual and difficult problems solved by this company.

The mul-lock is four way protection and factory installed on any door. Each bolt of the lock operates independently but simultaneously with the turn of the key. The doors themselves are made up of two 20 or 18 gauge U.S. sheets full height and width of door. The sheet on wide side is folded at the edge of the door with narrow side interlocking into edge. Top and bottom channels are 16 gauge full width and are spot welded to each face. Doors have rockwool of 3 lbs density, which fill voids between sections.

Frames of the doors are 16 or 18 gauge commercial quality steel. The gusset plate is welded on to the head section. Frames are painted with a coat of rust inhibitor before they are shipped.

Unit steel frames are fabricated as set up fully welded units. They are complete with lock, strike cutouts, plaster boxes, spreaders and floor knees. Anchorage depends on the wall or partition construction. These frames are formed of the best grade commercial furniture stock steel.

For more information, write: City Steel Door Corporation, 820 Whittier Street, N.Y. N.Y. 10474.

Duo-Therm Makes Hearth Heaters That Deliver Comfort And Economy

Put Number 261 on Coupon

City Steel Door Corporation has been in the business of manufacturing hollow metal products for over 65 years. The company maintains a complete engineering division staffed by experts qualified to deal with unusual or difficult problems. Architects, builders and homeowners too, have long been aware of the extensive advisory service of City Steel Door Corporation, and are likewise familiar with the quality of all of the company’s products. And, a much appreciated feature is the fast delivery service that City Steel Door furnishes.

everywhere, recognizing the energy-saving aspects of this fireplace, are specifying Duo-Therm hearth heaters because they reduce central heating requirements.

This new and highly efficient energy saving fireplace furnace has been introduced by Duo-Therm, a national manufacturer of heating and air conditioning equipment, and is a sizable improvement over all other units because of its unique design. Whereas other fireplaces are designed to be installed at the bottom of the fireplace opening, Duo-Therm units install at the top.

Twin squirrel-cage blowers draw room air through the heat exchangers and gently circulate warmed air throughout the room. These heat exchangers are sealed and prevent flue gases from being circulated into the room, and dampers in each exchanger prevent convention of warm air when the unit is shut off.

Now fireplaces have been made practical as well as an attractive focal point for any room. Twin squirrel-cage blowers draw room air through the heat exchangers of the fireplace heater. This warmed air, which used to go up the chimney, is now gently recirculated throughout the room. Thus, Duo-Therm not only continues the traditional aspects of fireplaces, but makes them a highly practical heating source, as well.

With its unique design, Duo-Therm captures fireplace heat that would customarily be lost up the chimney, and gently recirculates it throughout the room. In this way, fireplaces, long an American tradition, serve not only as a focal point for comfort and leisure enjoyment, but become energy-saving devices, as well, and are highly practical for homes, cottages and cabins.

The two heat exchangers, blowers and automatic thermostat are all concealed behind a brass-trimmed black decorator hood which complements any decor. Hoods are available in two sizes which fit most existing fireplaces.

Self-tapping screws or quick mount clamps make installation possible in less than one-half hour. The Duo-Therm hearth heater carries the Underwriters’ Laboratories listing.

For more information, write: Duo-Therm, 509 S. Poplar Street, LaGrange, Ind. 46761.
There are many hidden no-cost extras to be gained when specifying Victor Redwood Lighting. For example, fixtures are pre-wired and ready for easy installation. Further, delivery is prompt. And, field assistance is available for on-site consultation.

If a single word could describe Victor Redwood Lighting, it would be performance. And it can be added that Victor put the “Redwood” into redwood lighting. Their high standards of quality can meet even the most discriminating client.

In less than one decade, Victor Redwood Lighting has become a leader in the manufacturing of redwood lighting. In large measure, this is because Victor has put such emphasis on performance. By introducing new high standards of quality to wood lamp construction, Victor finds it possible to meet the most stringent requirements and discriminating taste.

“. . . creates natural setting . . .”

Users of Victor Redwood Lighting, get many no-cost extras. Some of these extras are: pre-wired fixtures which are ready for fast, easy, low-cost installation, low maintenance cost, and on-site field consultation.

There is a full range of Victor Redwood lights. There are globes, hanging lanterns, post lanterns, wall lanterns, walkway lights, hanging lamps, wall lamps and post lamps.

In constructing Victor Redwood lights, only the finest quality, clear heart redwood is ever used. Because of redwood’s natural chemistry it is resistant to insects and decay damage. All exterior parts are selected to resist extreme weather conditions which are encountered in outdoor use.

All Victor Redwood lights are listed with Underwriter Laboratories. They meet and exceed all known national and local building codes for both interior and exterior usage.

Every Victor Redwood lamp is built with extreme care and then thoroughly inspected to ensure the finest finished product, free from defects and ready to give excellent service for a long time.

On those special projects, creative in-plant engineering and design assistance is readily available.


Royal Crest: America’s First Manufacturer Of Narrow Slat Blinds

Put Number 263 on Coupon

Royal Crest Industries, Inc. of Ohio is America’s first manufacturer of narrow slat blinds. The company is proud of highly satisfied clients all across the country.

Royal Crest is the Swedish styled Venetian blind. It is at home almost anywhere.

Highly functional in offices, schools and the like, this blind is equally at home in the living room, dining room, family room, kitchen or bath. The more than 100 colors to choose from is a veritable rainbow of colors to make decorating and coordinating an easy task indeed.

This new 1 inch narrow slat Venetian blind is made of the highest quality material and with the finest workmanship to be found anywhere.

Standard features on these blinds are universal mounting brackets, smooth finish baked-on enamel, invisible tapes and cord made of dacron polyester, heavy duty, crash-proof cord lock and compact headrails measuring 5/8 inch high by 1-1/8 inch deep. These blinds provide much needed privacy, definite light control, and best of all, they are so easy to keep clean.

Optional features are cords and wand on side of blind, aluminum rails, choice of cord or wand tilt, contrasting colors of cords and rails, alternating slat colors and duplex slat colors.

And now, rediscovering the beauty of wood is the Shutter Blind, new from Royal Crest. This high quality wood Venetian blind is available in ten natural hues and is custom built. The one inch narrow slat design is urethane coated for easy cleaning. The effect is natural wood warmth combined with natural wood quiet.

All brackets and hang parts are supplied, and installation is easy when instructions are read carefully.

For more information write: Royal Crest Industries, Inc., 217 Osborne Street, Rossford, Ohio 43460.
Imagination And New Ideas Begin With Molded Marble Products

Put Number 264 on Coupon

Molded Marble Products uses a custom blend of ground marble and special resins which are combined to produce a tough and durable surface built to last. The high gloss is not only easy to wipe clean with a damp cloth and a mild detergent, its 14 different colors makes it easy to coordinate the entire bath theme.

These Molded Marble bathtubs come in several series. For example, one series features a two-piece tub and deck which turns a wasted corner into an elegant bathing center. Or, for the bathers who like plenty of room—or company—there is the Molded Marble bathtub for two. Six more inches of deck found in Series A, provide that expansive look, as well as room for extra accessories. Or, a single-piece tub with matching marble walls and shelving can raise even an ordinary bathroom above the usual.

To complement and blend with the motifs and colors of standard or custom bathtubs is a complete line of standard and custom vanity tops. Molded Marble Products is able to coordinate all elements in any bathroom whether it is a small, hard to accommodate size, or the largest one around. And, the beauty of a Molded Marble vanity top is that basin shapes feature different designs which can fit individual needs, so that the bathroom, like the rest of the house can now have flair and imagination.

With its five different styling treatments, dozens of different standard sizes and shapes, custom sizes and fourteen different colors, Molded Marble Products leads the way for bathrooms with bold styling, imagination, freedom and flair.

For more information, write: Molded Marble Products, Division of Lippert Corporation, Post Office Box 219, W142 N8999 Fountain Boulevard, Menomonee Falls, Wisc. 53051.

In Style Of Kings: Eaton-Provost Quality Furniture Reproduction

Put Number 265 on Coupon

The finest collection of French Period furniture reproductions are offered by Eaton-Provost Imports Corporation of Arcade, New York. Clients everywhere know of the company's determination to maintain authenticity of design, attention to detail and quality of materials, all reflected throughout the entire collection.

Each versatile piece is handcrafted in France by master craftsmen who use only the finest hardwood available. Provost S.A. has been producing this quality furniture in Chateaubriant, France, for several generations. This unique experience in perfect asymmetrical balance achieved by fine artisans, provides more than beauty. Each piece boasts of the most versatile way of solving storage problems in any room, in any decor.

Marquetry pieces have been handcrafted in every detail by Skalski S.A., another company which enjoys an international reputation in its field.

Internationally well-known Skalski S.A. does all the marquetry pieces in the line. Every piece is handcrafted and can be finished to match or accent individual taste. Or, clients may specify that their own finisher will wax and finish. All embellishments are authentic reproductions of the Louis Quinze era.

Provost S.A. has been producing quality furniture in Chateaubriant, France, for several generations. Many of its creations offer a unique experience in perfect asymmetrical balance by the finest artisans. Special attention is given to the authenticity of design, detail and materials.

Exquisite pieces in cherry or oak are Louis XV desks, two, three and four door armoires, bedsteads, commodes, night tables, arm chairs, buffets, and many more, too numerous to name. Careful attention has been given to the hardware use. Cherry furniture has been fitted with specially designed brass finish fittings; oak furniture has pewter finish hardware.

Any piece in the line can be finished to match or accent according to individual preference, or it can be had unfinished so that the client's own finisher can wax and finish according to custom specifications.

Each important piece is branded with the manufacturer's trademark in the true Louis Quinze tradition. Embellishments are authentic reproductions of that era.

For more information, write: Eaton-Provost Imports Corporation, R.D. No. 2, E. Arcade Road, Arcade, N.Y. 14009.
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