

# **APRIL** 1941

### HOUSES

217

A nationwide survey of new houses, illustrating the most recent trends in planning and design, with emphasis on the growing tendency toward distinct regional expressions. The 81 examples with their price range of \$2,000 to \$15,000 cover the broadest U. S. residential building market. Documented case histories show modern and traditional types, materials ranging from adobe to the latest in synthetics and plans for diverse budgets and living requirements.

#### **BUILDING FOR DEFENSE**

10

Headway and Headaches—the Army stocks reserve lumber for future reference . . . A private realtor makes a \$200,000 commission on an Army real estate deal . . . ARP comes to U. S. . . . First formal priorities affect the building industry via ice cube trays . . . Another construction trouble-shooter is called to the War Department . . . \$150 million for defense utilities . . . Prefabrication gets a break . . . And the Defense Housing program gains momentum.

A prefabricated demountable house—Portland, Ore. puts one on a truck, delivers it f.o.b. your lot for \$1,800 complete. Airplane pilot training center—one of many similar defense projects, but better than average—The Ryan School of Aeronautics in California's Hemet Valley.

What is wrong with the Defense Housing program and how it may be corrected—by Dr. Edith Elmer Wood.

#### MONTH IN BUILDING

#### BOOKS

36

Airports . . . Epstein . . . Plantation Houses . . . Wood finishing . . . Design of roof trusses.

#### **LETTERS**

44

Editor, Howard Myers; Managing Editor, Ruth Goodhue; Associates, Paul Grotz, Joseph C. Hazen, Jr., C. Theodore Larson, George Nelson, Henry H. Saylor, Henry Wright; Assistants, John Beinert, Anna De Cormis, Richard E. Saunders, Madelaine Thatcher, Nadia Williams. The Architectural Forum is published by Time Inc., Henry R. Luce, Chairman; Roy E. Larsen, President; Charles L. Stillman, Vice President and Treasurer; Howard Black, Allen Grover, Eric Hodgins, P. I. Prentice, Vice Presidents; David W. Brumbaugh, Secretary. Publication and Subscription Office, Orange, Conn. Subscriptions may also be sent to 330 East 22nd Street, Chicago, Illinois. Executive; Editorial and Advertising Offices, Time & Life Building, Rockefeller Center, New York. Business Manager, H. A. Richter. Advertising Manager, George P. Shutt. Address all editorial correspondence to Time & Life Building, Rockefeller Center, New York. Yearly subscription, payable in advance, U. S. and Possessions, Canada, Cuba, Mexico, South America, \$4.00. Elsewhere \$6.00. Single issues, including Reference Numbers, \$1.00. All copies Mailed Flat. Copyright under International Copyright Convention. All rights reserved under Par American Copyright Convention. Copyright, 1941, by Time Inc. Printed in U. S. A. VOLUME 74—NUMBER FOUR

## SPECIFICATION AND BUYING INDEX

The advertising pages of THE ARCHITECTURAL FORUM have become the recognized market place for architects and all others engaged in building. Each month these pages offer the most complete guide to materials, equipment and services to be found in any magazine. A house or any other building could be built completely of products advertised in THE FORUM. While it is not possible for a magazine to certify building products, it is possible to open its pages only to those manufacturers whose reputation merits confidence. This THE FORUM does.

Adam, Frank Electric Coopp. p.	72
Alberene Stone Corporation of Virginia	63
Aluminum Company of America24,	25
Alberene Stone Corporation of Virginia  Aluminum Company of America 24,  American Air Filter Co., Inc.	119
American Brass Company, The American Lumber & Treating Co. American Rolling Mill Company, The American Steel & Wire Company	59
American Lumber & Treating Co.	60
American Rolling Mill Company, The	30
(United States Steel Corporation Subsidiary)	145
American Telephone & Telegraph Co.	92
Anchor Post Fence Company	80
Anderson Corporation	48
Arco Company, The	128
Arkansas Soft Pine Bureau	139
Armstrong Cork Companyopp. p. 65,	74
Arrow-Hart & Hegeman Electric Co., The	115
Artek-Pascoe Inc.	130
Borg-Warner Corporation	23
(Ingersoll Steel & Disc Division)	
Boro Wood Products Co	140
Bruce Co., E. L.	53
Brunswick-Balke-Collender Co., The	96
Burnham Boiler Corporation  Byers, A. M. Company	122
[12] [12] [13] [14] [14] [15] [15] [15] [15] [15] [15] [15] [15	
Cabot, Samuel, Inc.	104
California Redwood Association	92
Carey, Philip Company, The	91
Carnegie-Illinois Steel Corporation	45
(United States Steel Corporation Subsidiary) Case & Son, W. A. Manufacturing Co.	60
Ceco Steel Products Corneration	02
Celotex Corporation, The	II
Ceco Steel Products Corporation Celotex Corporation, The	104
Columbia Steel Company	145
(United States Steel Corporation Subsidiary)	
Columbus Coated Fabrics Corporation	99
Congoleum-Nairn, Inc	73
Consolidated Expanded Metal Companies, The	83
Crane Co.	140
Curtis Companies	97
Davidson Enamel Products, Inc	142
Detroit Steel Products Co.	97
Donley Bros. Co.  Douglas Fir Plywood Association opp. p. Du Pont, E. I. De Nemours & Co., Inc.	134
Douglas Fir Plywood Association opp. p.	
	30
Ou Pont, E. I. De Nemours & Co., Inc. (Grasselli Chemicals Department)	43
(Grasselli Chemicals Department)	
(Grasselli Chemicals Department) Dwyer Products Corp	41
(Grasselli Chemicals Department) Dwyer Products Corp	41
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22.	41 49 46
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22.	41 49 46
(Grasselli Chemicals Department) Dwyer Products Corp	41 49 46
(Grasselli Chemicals Department) Dwyer Products Corp	49 46 7 82
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fritzeibbons Boiler Company, Inc.	49 46 7 82 27
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fritzeibbons Boiler Company, Inc.	49 46 7 82 27
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fritzeibbons Boiler Company, Inc.	49 46 7 82 27
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fritzeibbons Boiler Company, Inc.	49 46 7 82 27
(Grasselli Chemicals Department) Dwyer Products Corp	49 46 7 82 27
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	49 46 7 82 27 50 69 54 5 73
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 222, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fitzgibbons Boiler Company, Inc. Fleur-O-Lier Manufacturers Flintkote Company, The Formica Insulation Company, The Formica Insulation Company, The General Motors Sales Corp.) Gar Wood Industries, Inc.	41 49 46 7 82 27 50 69 54 5 73
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 146 7 82 27 50 69 54 5 73
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	141 49 146 7 82 27 50 69 54 5 73 84 109 73
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	49 46 7 82 27 50 69 54 5 73 84 89 73
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	49 46 7 82 27 50 69 54 5 73 84 89 73
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fitzgibbons Boiler Company, Inc. Fleur-O-Lier Manufacturers Flintkote Company, The Formica Insulation Company, The Frigidaire Division (General Motors Sales Corp.)  Gar Wood Industries, Inc. General Electric Company 35, 51, 99, 1 General Motors Sales Corp. (Frigidaire Division) Goodyear Tire & Rubber Company, The Grasselli Chemicals Department (E. I. Du Pont De Nemours & Co., Inc.)	49 46 7 82 27 50 69 54 5 73 84 109 73
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fitzgibbons Boiler Company, Inc. Fleur-O-Lier Manufacturers Flintkote Company, The Formica Insulation Company, The Frigidaire Division (General Motors Sales Corp.)  Gar Wood Industries, Inc. General Electric Company General Motors Sales Corp.  (Frigidaire Division) Goodycar Tire & Rubber Company, The Grasselli Chemicals Department (E. I. Du Pont De Nemours & Co., Inc.)	141 49 46 7 82 27 50 69 54 5 73 84 109 73 37 43
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. 22, 1 Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fitzgibbons Boiler Company, Inc. Fleur-O-Lier Manufacturers Flintkote Company, The Formica Insulation Company, The Frigidaire Division (General Motors Sales Corp.)  Gar Wood Industries, Inc. General Electric Company 35, 51, 99, 1 General Motors Sales Corp. (Frigidaire Division) Goodyear Tire & Rubber Company, The Grasselli Chemicals Department (E. I. Du Pont De Nemours & Co., Inc.)	141 49 46 7 82 27 50 69 54 5 73 84 109 73 37 43
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	141 49 46 7 82 27 50 69 54 5 73 84 409 73 37 43
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	141 49 46 7 82 27 50 69 54 5 73 84 409 73 37 43
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	141 49 46 7 82 27 50 69 54 5 73 84 409 73 37 43
(Grasselli Chemicals Department) Dwyer Products Corp	441 49 46 7 82 27 50 69 54 5 73 84 99 73 37 43 38 38 33 77 38
(Grasselli Chemicals Department) Dwyer Products Corp	441 49 46 7 82 27 50 69 54 5 73 84 99 73 37 43 38 38 33 77 38
(Grasselli Chemicals Department) Dwyer Products Corp	41 49 46 7 82 27 50 69 54 5 73 84 89 73 38 43 38 37 38 41 80
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The  Edison General Electric Appliance Co., Inc.  Edison General Electric Appliance Co., Inc.  Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co.  Fitzgibbons Boiler Company, Inc.  Fleur-O-Lier Manufacturers Flintkote Company, The Formica Insulation Company, The Frigidaire Division  (General Motors Sales Corp.)  Gar Wood Industries, Inc. General Electric Company General Motors Sales Corp.  (Frigidaire Division)  Goodyear Tire & Rubber Company, The Grasselli Chemicals Department  (E. I. Du Pont De Nemours & Co., Inc.)  Grinnell Company, Inc.  Gutmann and Company, Inc.  Hallenscheid & McDonald  Haskelite Manufacturing Corporation  76, Hendrick Manufacturing Company, The  (Borg-Warner Corporation)  Ingersoll Steel & Disc Division	41 49 46 7 82 27 50 69 73 84 109 73 38 38 33 77 38 41 80
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 569 54 5 73 84 89 73 37 43 38 38 41 80
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The  Edison General Electric Appliance Co., Inc.  Edison General Electric Appliance Co., Inc.  Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co.  Fitzgibbons Boiler Company, Inc.  Fleur-O-Lier Manufacturers Flintkote Company, The Formica Insulation Company, The Frigidaire Division  (General Motors Sales Corp.)  Gar Wood Industries, Inc. General Motors Sales Corp.  (Frigidaire Division) Goodyear Tire & Rubber Company, The Grasselli Chemicals Department  (E. I. Du Pont De Nemours & Co., Inc.)  Grinnell Company, Inc. Gutmann and Company, Inc.  Hallenscheid & McDonald Haskelite Manufacturing Corporation  (Benry Furnace & Foundry Company, The (Borg-Warner Corporation)  Ingersoll Steel & Disc Division Ingersoll Company, The	41 49 46 7 82 27 50 69 54 5 73 84 40 9 73 37 43 38 33 77 38 41 80
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc. Edison General Electric Appliance Co., Inc. Electro Metallurgical Company Eljer Co.  Federal-Ameican Cement Tile Co. Fitzgibbons Boiler Company, Inc. Fleur-O-Lier Manufacturers Flintkote Company, The Formica Insulation Company, The Frigidaire Division (General Motors Sales Corp.)  Gar Wood Industries, Inc. General Motors Sales Corp. (Frigidaire Division) Goodyear Tire & Rubber Company, The Grasselli Chemicals Department (E. I. Du Pont De Nemours & Co., Inc.) Grinnell Company, Inc. Gutmann and Company, Inc. Hallenscheid & McDonald Haskelite Manufacturing Corporation Hendrick Manufacturing Company, The (Borg-Warner Corporation) Ingersoll Steel & Disc Division Ingersoll Steel & Disc Division Ingersoll Steel & Disc Division Ingerson Manufacturing Company, The Iron Fireman Manufacturing Company Iron Fireman Manufacturing Company	41 49 46 7 82 27 50 69 54 57 38 40 97 37 43 38 33 77 38 41 80 80 80 80 80 80 80 80 80 80
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 78 22 75 50 69 54 5 73 38 43 38 38 38 37 38 38 41 40 40 40 40 40 40 40 40 40 40
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 69 54 73 84 80 97 37 43 38 41 41 96 96 96 96 96 96 96 96 96 96
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The  Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 69 54 57 38 40 97 43 38 38 38 37 43 38 41 41 96 96 96 96 96 97 96 97 97 97 97 97 97 97 97 97 97
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 69 54 57 38 48 38 38 38 38 38 38 41 80 66 66 66 66 66 66 66 66 66 6
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 69 54 57 38 48 38 38 38 38 38 38 41 80 66 66 66 66 66 66 66 66 66 6
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 69 54 57 38 48 38 38 38 38 38 38 41 80 66 66 66 66 66 66 66 66 66 6
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 54 5 73 37 43 38 38 33 77 38 38 41 80 96 96 96 96 96 96 96 96 96 96
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 54 5 73 37 43 38 38 33 77 38 38 41 80 96 96 96 96 96 96 96 96 96 96
(Grasselli Chemicals Department) Dwyer Products Corp.  Eagle-Picher Lead Company, The Edison General Electric Appliance Co., Inc	41 49 46 7 82 27 50 54 5 73 37 43 38 38 33 77 38 38 41 80 96 96 96 96 96 96 96 96 96 96

Kitchen Maid Corporation, The
Lawson, F. H. Company, The       9t         Libbey-Owens-Ford Glass Co.       116, 11*         Louisville Cement Co.       12         Lucke, William B., Inc.       13
Marsh Wall Products, Inc.       12°         Masonite Corporation       9         Medasa Portland Cement Co.       9         Mengel Co., The       11         Mesker Bros.       6         Miami Cabinet Division       8         (The Philip Carey Company)       6         Miller Steel Company       4         Modine Manufacturing Company       4         Monarch Metal Weatherstrip Corporation       7°         Mullins Mfg. Corp.       14'         (Youngstown Pressed Steel Division)       13°         Muralo Company, Inc., The       13°
National Door Manufacturers' Association         136           National Gypsum Company         13           National Lead Company         55           National Terrazzo and Mosaic Association, The         126           National Tube Company         146           (United States Steel Corporation Subsidiary)         137           Norton Lasier Company         137
Owens-Illinois Glass Company
Pacific Steel Boilers 3: (Division of United States Radiator Corporation)  Paine Lumber Company, Ltd. 28, 29  Parker Rust-Proof Company 9  Payne Furnace & Supply Co., Inc. 99  Pecora Paint Company, Inc. 100  Penberthy Injector Company 12
Prite Radio & Television Corporation   100
RCA Manufacturing Co., Inc.       12         Readding Hardware Corporation       77         Red Cedar Shingle Bureau       2         Republic Steel Corporation       10         Revere Copper and Brass, Incorporated       11         Rie-Wil Co., The       12         Richmond Serew Anchor Company, Inc.       96         Rowe Manufacturing Co.       44         Russell, F. C. Company, The       13         Rybolt Heater Co., The       86
Samson Cordage Works         136           Servel, Inc.         66           Shellac Information Bureau         70           Sisalkraft Company, The         112           Smith, H. B. Co., Inc., The         120           Sonneborn Sons Inc., L         100           Spencer Heaters         144           Stanley Works, The         100           Stewart Iron Works         142           Surface Combustion Corp.         52
Tile Manufacturers Association       33         Tile-Tex Company, The       100         Timber Engineering Company       142         Trane Company, The       105         Trinity Portland Cement Company       opp. p. 33         Truscon Steel Company       Cover II         Tylae Company       12
United States Plywood Corporation         125           United States Radiator Corporation         31           (Pacific Steel Boilers Division)         81           United States Steel Corporation         89, 145           Universal Atlas Cement Co.         85           (United States Steel Corporation Subsidiary)
Van Range, John, Co., The
Weis, Henry Mfg. Co., Inc.         12           Western Shade Cloth Co., The         38           Westinghouse Electric & Manufacturing Co.         12           Weyerhaeuser Sales Company         75           Wiremold Company, The         11           Wood Conversion Company         34
York Ice Machinery Corporation