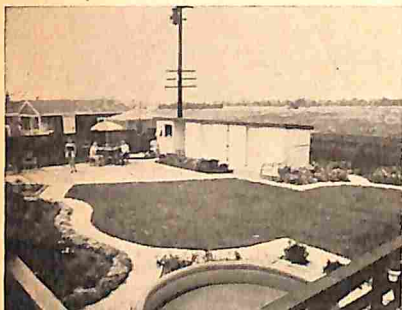


# Popular Mechanics Magazine

Registered in U. S. Patent Office and Canada

H. H. WINDSOR, Founder

H. H. WINDSOR, JR., Editor and Publisher



## Next Month

LANDSCAPING is a subject close to the heart of every homeowner whether his yard be large or small. Breath-taking plans for the spacious yard are plentiful—but what about the family with a 50 or 60-foot lot? In the April issue "PM's Landscaping Plan for the Small Yard" reveals the transformation of a desolate mud hole to a spot of real beauty. There are scores of ideas in the plan and photos reproduced in full color. Twenty-one pages of the April issue are devoted to outdoor living with additional articles on shading devices for the yard, outdoor furniture, an innovation called "garage porches" and a page on how to combat pesky mosquitoes

### POPULAR MECHANICS INTERNATIONAL EDITIONS

*Mecanique Populaire* (French)  
*Mecánica Popular* (Spanish)  
*Populaer Mekanik* (Danish)  
*Popular Mekanik* (Swedish)  
*Populare Mechanik* (German)

Sources of further information not listed in the index, starting on page 74, about articles in this issue, frequently are shown in the Where-to-Find-It List prepared for each issue. A copy may be obtained by readers, without charge, from Bureau of Information, *Popular Mechanics*, 200 East Ontario Street, Chicago 11, Ill.

Published monthly by Popular Mechanics Company, 200 E. Ontario St., Chicago 11, Ill. H. H. Windsor, Jr., president; Wm. Harrison Fetridge, exec. vice-pres.; Franklin S. Forsberg, operations vice-pres.; D. F. Windsor, vice-president and secretary-treasurer; H. H. Windsor III, vice-president; W. T. Windsor, vice-president; Joseph R. Buell, Jr., advertising manager; Alan M. Dwyer, circulation manager. Single copy in the United States and Canada, 35 cents; subscription rates in the United States and possessions, Canada and countries of the Pan-American Postal Union, 1 year \$3.50; 2 years, \$6.00; 3 years, \$8.00. To all other countries add \$1.00 a year over United States prices for overseas postage. If you plan to move, notify us at least 30 days in advance so you will not miss an issue. Give both your old and new addresses. Entered as Second Class Matter, September 15, 1903, at the Post Office at Chicago, Illinois, under Act of March 3, 1879. Entered as Second Class Matter at Post Office Dept., Canada. Registered as Second Class Matter at the Post Office at Mexico, D. F., Mexico, June 20, 1950. Copyright 1957 by Popular Mechanics Company. Copyright under International Copyright Union. Copyright in France. All rights reserved under Pan-American Copyright Union. Printed in the United States of America.

MARCH 1957

Volume 107

MARCH 1957

Number 3

Address all communications to: 200 E. Ontario St., Chicago 11, Ill.

Managing Editor.....Roderick M. Grant  
Assistant Managing Editor.....Wayne Whittaker  
Shop Notes and Crafts Editor.....James R. Ward  
Associate Editor.....Clifford B. Hicks  
Associate Editor, Automotive.....Arthur R. Railton  
Associate Editor, Shop Notes and Crafts.....Wayne C. Leckey  
Associate Editor, Shop Notes.....W. Clyde Lamme  
Radio-Television, Electronics Editor.....Lothar Stern  
Assistant Editor, Crafts.....Jay W. Hedden  
Assistant Editor, Makeup.....John C. Dalen  
Art Director.....Frank Beaty

### Assistant Editors

Robert E. Dorsett Eastern Editor.....Robert M. Hendrickson Earl F. Woback  
Empire State Bldg., Room 2906, New York City 1  
Western Editor.....Thomas E. Stimson, Jr.  
Suite 1010, 3460 Wilshire Blvd., Los Angeles 5, Calif.  
London Manager.....Douglas W. Wedderspoon  
Eagle House, Jermyn St., London S. W. 1, England  
Director, Bureau of Information.....Allan Carpenter  
200 E. Ontario St., Chicago 11

### Advertising Offices

Chicago: 200 E. Ontario St., Whitehall 4-0100; New York: Empire State Bldg., 350 Fifth Ave., Longacre 5-7580; Detroit: General Motors Bldg., TRinity 5-8711; Cleveland: Hanna Bldg., 1422 Euclid Ave., Prospect 1-0456; Los Angeles: 3460 Wilshire, DUnkirk 2-8458; San Francisco: Russ Bldg., 235 Montgomery St., YUKon 2-0823.

## In This Issue . . .

You Can Build Your Own Swimming Pool	-	-	81
The Owners Report on the 1957 Ford	-	-	88
"Old Ironsides" Lives Again	-	-	96
"Beachcombers" of the Woods	-	-	102
Look Into the Heart of a Gem	-	-	112
What's New for Your Home	-	-	120
Taxi to Venus?	-	-	124
Birds Write Their Musical Score on Tape	-	-	132
House of Electric Nerves	-	-	138
You Can Have Speed With Safety	-	-	144
Science Gives You More Miles for Your Tires	-	-	154
Radio, TV and Electronics	-	-	161

## For the Craftsman . . .

Modernize With a Vanity Lavatory	-	-	165
Test the Soil First	-	-	170
Solving Home Problems	-	-	178
When You Shop for a Trailer—	-	-	184
Pep Up Home Movies With Titles	-	-	190
Build "The Bug"—Part II	-	-	201
Filing Machine Fits Your Lathe	-	-	205
How Would You Do It?	-	-	210
On the Market for Do-It-Yourselfers	-	-	217
Shopping for Tools	-	-	
Clinic for Homemakers	-	-	

See pages 74, 76 and 78

for other items and manufacturers of available



MARCH 1957

35 CENTS

# POPULAR MECHANICS

MAGAZINE

WHAT YOU CAN UNDERSTAND IT



**"OLD IRONSIDES" LIVES AGAIN**  
— Page 96

**Build Your Own Swimmer**

*In Full Color*

**Look Into the Heart of a**

fun!  
1  
ance