Founded 1872, Vol. 165: No. 4



Mechanics and Handicraft REG. U.S. PAT. OFF

October, 1954	Page
How They "Paint" Color TV Pictures	101
These Jets Leave the Pilot Behind	106
The Gas Turbine: Car of the Future?	110
nome Builder Designs Out Unknow	77.
Card Tricks Thrill Football Crowds	100
weird New "Rhino?" Can Go Anyud	
what's Coming in 1955 Care	
Driving Ford's New Sports Car	131
What Every Inventor Should Know. N. Y. Thruway Will Be Puddleproof	136
Tecaucis Answer British Can D	
I I II III III III III III III III III	
m oca to ollonort Rada. C	
man Heports on a Division of	
\$4,000 Draggin' Wagon Tops 147 M.P.H New Controls Make Cas Report	164
New Controls Make Gas Range Automatic Gus Tricks a Truck	166
Gus Tricks a Truck	168
	1 (1)

Special High-Fidelity Features • How to Pick Out a Hi-Fi System......175 Filling Your House with Music......180 Unusual Hi-Fi Installations......185

Good Desks Make Homework Easier192
Modern Oak Lowboy Displays Treasures192 How to Buy or Mix Baby-Sofa D.
How to D
Now to Buy or Mix Baby-Safe Paint
How to Buy or Mix Baby-Safe Paint
Making an Oil-Days To L. 204
Making an Oil-Drum Trash Burner
House D
10 ris Pocus to Mystify Your Friend
Hocus-Pocus to Mystify Your Friends213 13 Uses for Old Tires
13 Uses for Old Tires
These II:
These ringes Solve Problems
These Hinges Solve Problems
240
(More fort

(More features and departments are listed on page 4) 2 POPULAR SCIENCE

VOLTA TORREY

Managing Editor

HOWARD ALLAWAY

Art Editor

HOWARD C. JENSEN

Associate Editors

Alden P. Armagnac, Henry B. Comstock, Devon Francis, Sheldon M. Gallager, Wesley S. Griswold, Herbert O. Johansen, Martin Mann, Herbert R. Pfister, Ruth Westphal.

Harry Samuels (Director), Herbert Anthony, Gene Butera, Mary E. Dee, Eric A. Karminski Jr., Henry W. Kazmirowski, Laylen H. Sweet.

Kendall W. Goodwyn (Director), Carol Ennis, Everett H. Ortner, Trudie Ray, Georgette Sparks.

Photography

W. W. Morris (Director), Hubert Luckett, Orlando Guerra.

Assistant Managing Editors Frank Rowsome Jr. Robert P. Stevenson

Mechanics and Handicraft Harry Walton

Midwestern Editor Kenneth Wylie (Chicago)

Western Editor

Andrew R. Boone (Los Angeles)

Editorial Assistants

Harriet Trowbridge, Stanley Beitler, Judith Ellis, Louise Lev Teresa Robbins, Rose Weil. Publisher

GODFREY HAMMOND Advertising Director

STEPHEN P. GLENNON

Circulation Director EUGENE WATSON

ADVÉRTISING OFFICES: NEW YORK-353 Fourth Ave.; CHICAGO-820 Book Bldg; SAN FRANCISCO-114 Sansome St.; CLEVELAND-328 Wissing Bldg.; LOS ANGELES-1127 S.W. Sixth Ave.

EDITORIAL OFFICES: 353 Fourth Avenue, New York 10, N. Y.

Avenue, New York 10, N. Y.

Published monthly at 333 Fourth Avenue, New York 10, N. Y.

Published monthly at 333 Fourth Avenue. New York 10, N. Y., by Popular Steen P. Godfrey in the New York 10, N. Y., by Popular Steen P. Glen P. Godfrey in the New York 10, N. Y., by Popular Steen P. Glen P. Godfrey in the New York 10, N. Y., by Popular Steen P. Glen P. Godfrey in the New York 10, N. Y., Briggs, Leten as Steen P. Godfrey in the New York 10, N. Y., under the Post Office in New York 10, 1948, at He Post Office of March 3, matter at Dayton, Ohio Scion-class matter York 18, Y., under the act of March 3, matter at Dayton, Ohio Scion-class accond-class matter at the Post Office Copyright, 1954, by Popular Science Public Oppyright, 1954, by Popular Science Public States, Great Britain, and in International Copyright Convention and Yearly shorter of Copyright Convention and Yearly Steeps 19, 3 Years, \$7.501; foreign notice is peeded to change a subscriber's addresse, Including postal zone numbers.

NOW... A SENSATIONAL NEW KIND OF HAM

TRUE TEMPER

ROCKET*No.AIS

GUARANTEED

Next time you're in your favorite hardware store or tool department, ask to see the sensational new True Temper Rocket hammer. Try its wonderful "feel" and "swing" that come from its new kind of grip and shaft and from its perfect balance. You'll want this fine new tool to use in your workshop or on your job.

The new Rocket is backed by True Temper's 112 years of integrity in supplying top quality tools to American craftsmen. It is guaranteed indestructible

in all normal hammer use.

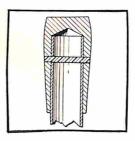


WORLD'S STRONGEST

The shaft of the new True Temper Rocket is made of the finest, chrome-plated boron tubular steel. It won't break ... it won't bend ... even if you run over it with your car.

SHOCK-ABSORBING CUSHION GRIP

Comfort is built into the new-type grip that soaks up impact shocks before they get to the hand or arm. Bonded to the shaft . . . won't turn . . . won't come loose. Doesn't slip even when wet.



HEAD CAN'T COME OFF

The octagon-shaped forged steel head won't come loose ... will never fly off. Shaft is wedged into the head. A steel pin, through head and shaft, holds head permanently tight. Precision claws bite even smallest nails.





LAWN, GARDEN, FARM TOOLS . HAMMERS, HATCHETS, AXES . SHOVELS, SCOOPS . FISHING TACKLE . GOLF CLUB SHAFTS

MECHANICS · AUTOS · HOMEBUILDING

POPULAR SCIENCE

Oct. 35¢

MONTHLY



SPECIAL HOW to Pick a Hi-Fi System STARTS ON PAGE 175