

Mechanics & Handicraft

CONTENTS FOR JANUARY, 1946

94

88

97

133

SCIENCE NEWS FEATURES

-ou Can't Smash G.	
Chemical Empire's Rise and Fall	65
Defer	00
Delense Against Radar	66
Sunshine Synthe	82
Strange Fish in Sea's Depths World's Biggest Eye	0.9
West w	92
World's Biggest Eye.	100
Alcohol_Hon J	100
Van a Handyman of Chemin	130
Alcohol—Handyman of Chemistry You Can't Trust Your Senses	196
Four Senses.	-00
SCIENCE	200

SCIENCE AT WORK

Sweeping Up the M:	
Diamonds Given New "Fire"	
Vertical P.	72
No Ma	85
Vertical Railroads	121
Laci Dam o	
-siday in the Pacific.	133
Washday in the Pacific.	187

AVIATION

What's New in Aviati

BIG

TR

Robot Fluin	auon.		
World's Big	Boat		78
Why Jap Air	Boat. Est Snow-Shoveli Force Died he Fireball of the		84
Pin-IIn	r orce Died	ng Job.	94
Motorcycle	Force Died he Fireball of the Air		88
AUTOM	Air		9.
	UBILES		10

Sport Motoring

Pumping Up a Moving a
Pumping Up a Moving Tire. 13 Gus Plays Second Fiddle. 13 Auto Ideas. 13 Don't Let Your G 13
Auto Ideas
- Scop You 1

CONTINUED Published monthly at 353 Fourth Avenue, New York 10, N, Y. R. C. Wilson, Raymond J. Brown, Stephener F. Orkita, 10, N, Y. Dec. 28, 1918, at the Post Office at New York under on B. Hub You second-class matter at the Post Office Department, che set of adverse reserved in the United States, Great Britain, and in all as Printeger right Convention. Yearly subscriptions to United States ambles are subscribers must notify us of charge of address four weeks in App

INVENTIONS

I'd Like to See Them Invent.....

PHOTOGRAPHY

HOTOGRAPHY	114
Best Navy Photos of the War	180
Sest Navy Photos of the Solutions.	181
fotor Mixer for Photo	181
able Tripod	182
Actor Mixer for Photo 2 Cable Tripod Homemade Print Washer. Snow Pictures That Sparkle. Electronic Print Timer.	186
now Pictures That Dr	[]
Electronic Print Timer	

Ax Handles That Stay Put Tricks of Inlay Turning	16
Tricks of Inlay Turning.	17
New Shop Ideas	Tu
Splicing Flat Belts	10
Tweezers for Shop Use	1.
Ball-Bearing Shaft-Tester.	1.
Hand-Powered Drill Press.	20
Hand-Powered Drill Press Saw-Table Mark Aligns Work	

HOME MECHANICS & HANDICRAFT

on Hore	120
con Horse Decorates Bucket	14
automatic For Winter Fun	10
anow Igloos Like the Wind Automatic Bird Feeder	15
Automatic Bird Feeder. N PAGE 4) To the the Wind	15
A. additionts	-

NEW B.F. GOODRICH PASSENGER TIRE

New B. F. Goodrich synthetic TIRE THAT OUTWEARS PREWAR TIRES!

MIRACLE," some have called it! Few believed that a tire could ever be made of synthetic rubber that would actually outdistance those made of prewar nat-ural rubber. Yet here it is, the new B. F. Goodrich Silvertown. And here are some of the reasons for its longer-than-prewar mileage:

New, better rubber

A new rubber, so superior that for a long time it was a closely guarded military secret, was de-veloped by B. F. Goodrich. Tires made with this rubber wear longer, run cooler. They have greater resistance to cracking-actually are more resistant to bruising and damage from accidents. But rubber is only one reason why the new B. F. Goodrich Silvertown outwears prewar tires.

New road-level tread In the picture above, note how

the tread is flatter—puts more rub-ber on the road. This means that

JANUARY, 1946

more rubber shares the wear, spreads it evenly over the whole tread surface. No more worn-outin-the-middle treads. The result: more mileage, better traction, more skid-resistance and greater safety.

The tire body is more rugged, too. B. F. Goodrich developed a stronger cord for this tire. And more cords are used than in prewar tires. Another feature that means more miles, greater safety for you.

Nearly 17 million test miles

Over 2,000 tests have been made with this new tire. Taxi fleets, state police cars, and the B. F. Goodrich test fleet have rolled up nearly 17 million miles under all kinds of driving conditions. The new B. F. Goodrich Silvertown gives longer tread wear ... actually outdistances prewar tires.

3 years' EXTRA experience

The first B. F. Goodrich tires containing synthetic rubber were

sold to American motorists 18 months before Pearl Harbor. That was three full years before any other tire manufacturer . . . three years during which B. F. Goodrich has been piling up extra synthetic rubber tire experience.

This three-year head start is another reason why you can count on extra mileage . . . extra safety ... extra value from the new B. F. Goodrich Silvertown.

Supplies are still limited, of course, but we hope to have much larger quantities in the hands of most dealers within the next few months. The B. F. Goodrich Company, Akron, Obio.



POPULAR SCIENCE MONTHEY JAN. 1946 25 CENTS Mart.com ther for Special People SCIENCE LOOKS TO STARS AGAIN-p. 130