



## NEW! GROUND-HUGGING TORO HITCH GIVES CLEANER CONTOUR-CUTTING

Now . . . *fully flexible mounting* for each Spartan Gang Mower! It's the new Toro Universal Hitch that's engineered to follow every ground contour for a smooth, even cut.

Two scientifically determined draw points give an equal pressure on *all* rear rollers. No bouncing or skipping of units. Connects easily to any standard tractor — just a simple pin drawbar. And it's dependable and economical, too! Double-train, machine-cut gears. Simple throw-out clutch for transport gives long life,

low-cost operation. You can't beat it!

The new Toro Universal Hitch is available in 3, 5 or 7 gang units. Five and seven unit models have ball-socket hinge joints for quick coupling.

For complete information on this new cutting combination, call your Toro distributor (see the classified section of the phone book) or write today to:

### TORO MANUFACTURING CORP.

2801 Snelling Ave., Minneapolis 6, Minn.

TORO mowers serviced throughout the United States and Canada



# "AGRICO keeps turf thick despite excessive traffic"



JOHN J. DORGAN, Superintendent of Parks, Brockton, Mass., and D. W. Field Municipal Golf Course, Brockton.



"AGRICO has been used on both parks and golf course here for a period of 12 years," says John J. Dorgan, superintendent of parks, city of Brockton, Mass.

"In this time we have always had excellent results, especially in keeping a good healthy and thick turf. It is not unusual for us to have as many as 700 rounds of golf played here on a good week-end.

"Despite the excessive traffic on our greens, we have been very successful in maintaining good playing conditions through use of AGRICO COUNTRY CLUB Fertilizers."

● Order Agrico now — it's America's premier Golf Course fertilizer. Contains both organic\* and inorganic plant foods. Ask your regular supplier or write to The AMERICAN AGRICULTURAL CHEMICAL Co., 50 Church Street, New York 7, N. Y.



\*Organic derived from AGRINITE, the better (over 8% nitrogen) all-organic plant food.

**AGRICO**  
COUNTRY CLUB  
FERTILIZER

the green and a river behind it, is the reason a golf ball factory had to be built in Elyria . . . Red adds that Worthington's ball business outside of the home club water hole is starting out to be much bigger than merely colossal this year.

Construction advancing rapidly on new 18 hole Hillcrest CC, outside of Oklahoma City, Okla., designed by Floyd Farley . . . Course is 6300 yds., par 70 . . . Clubhouse with pool, etc., to cost \$200,000 . . . Farley, pro with Fred Schindler at Meridian GC, Oklahoma City, also has designed additional 9 for Lakeside munny course, Ponca City, Okla., to be built this summer . . . He's been conferring with Tulsa, Okla., park officials about designing additional 18 at Mohawk Park . . . Floyd has a lot more work in prospect remodelling Oklahoma courses converting from sand to grass greens . . . Farley's moving No. 9 green at Meridian to provide space for a day and night practice tee and 15 acre range with tees 30 yds. in front of pro shop.

Championship committee of R&A about \$6000 short of \$15,000 needed to send Walker Cup team to US this fall . . . Expected to cost British about \$18,000 to

IT'S THE  
"PAYOFF!"

**DBA**

NEW CONCENTRATED

## LIQUID-LUSTRE GOLF BALL WASH

WITH RUST PREVENTATIVE

**PAYS OFF IN ECONOMY!!!**

- Costs as little as 2¢ per washer per week!
- Safe for washers . . . will not cause rusting!
- No unpleasant odor — EVER!

Golfers everywhere like LIQUID-LUSTRE because of its fast cleaning action and convenience. Find out about LIQUID-LUSTRE GOLF BALL WASH today!

SEND FOR YOUR FREE PAMPHLET

Per single gallon.....\$4.25  
in 5-gal. lots (per gal.).....\$4.00

Order from your dealer or direct from us and give your dealer's name.

**DBA PRODUCTS CO., INC.**  
DEERFIELD, ILLINOIS



# WORTHINGTON

## 1953 MODEL F CHIEF

### *Now 20 Percent More Powerful*

The new Worthington front-wheel-drive, Model F Chief power unit, features a valve-in-head engine with 20 percent greater horsepower. This means more reserve for steep hillside work, more capacity for handling the front-mounted, hydraulically-controlled, three and five-gang Blitzer and Fairway combinations.

And, of course, the 1953 Model F has the same features so popular before:

FEWER MOWING TIMES PER YEAR.

FRONT-WHEEL DRIVE, REAR-WHEEL STEER—Mowers cut grass before tractor wheels touch it; operator can see ahead when mowing.

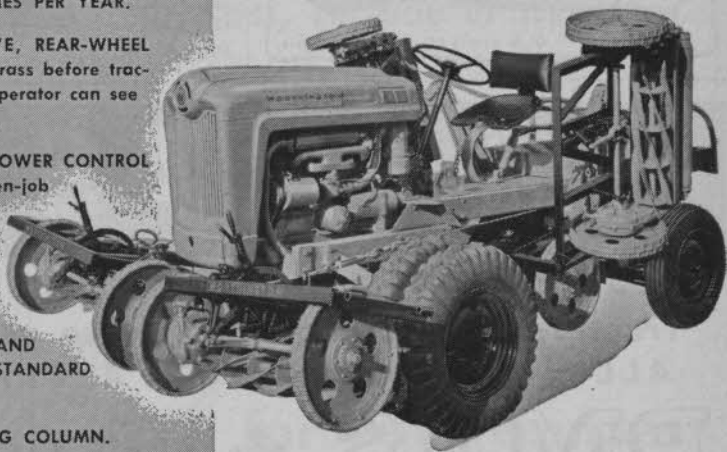
HYDRAULIC GANG MOWER CONTROL—helps speed between-job travel.

SMOOTHER MOWING—No tractor wheel marks.

HYDRAULIC BRAKES AND ENGINE GOVERNOR STANDARD EQUIPMENT.

ADJUSTABLE STEERING COLUMN.

PIVOTALLY MOUNTED STEERING AXLE.



This new engine is also installed in the 1953 Worthington Model G rear-drive tractor. Your Worthington franchised dealer will be happy to demonstrate either of these tractors.

**WORTHINGTON MOWER COMPANY** 

STROUDSBURG, PENNSYLVANIA

Worthington tractors for lower maintenance, higher efficiency, lower over-all operating costs.



# SHINE?

A few quick strokes of this paddle won't count against your score. A clean ball clicks off par far better than the penalty of lost balls too dirty to find.

**HOW TO MAKE A HAPPY GOLFER**

Better-than-ever Lewis Ball Washers are ready to come to the aid of the golfer. Up goes the paddle, in goes the ball, and in a few quick seconds, you're ready for the tee-off.

**WEATHER WINNER**

Two "stick-fast" coats of paint shielded by an all weather-protector plastic. Any season . . . year after year . . . ready to keep your golfers happy. **KEEP YOUR PATRONS SATISFIED**

Order from your dealer now!



**LEWIS GOLF BALL WASHERS**

G. B. LEWIS CO., Watertown, Wis.

hold 1953 Ryder Cup matches . . . Clement van der Straeten Best, 63, member of Advisory committee of R&A and a founder of European Golf Assn. died recently in Belgium . . . Sea and river floods recently did heavy damage to English golf courses.

Jack Morton points out that Dave Douglas is the only one of Scotch ancestry who's in the money on the winter circuit . . . Ray Gettle from Berwick (Pa.) CC to pro job at Irem Temple CC, Dallas, Pa. . . . Joe Durham, formerly of Lawton (Okla.) CC and Leo Byrum, formerly pro at Durant (Okla.) CC have leased Rolling Knolls CC, Ft. Smith, Ark. . . . Woody Kerr from Chickasha (Okla.) CC to Lawton (Okla.) CC as pro . . . Eddie Miller to Miami (Okla.) CC as pro-supt. . . . Jack Guild from Miami (Okla.) CC to pro spot at Shawnee (Okla.) CC . . . Henry Cedarholm now pro at Hillcrest CC, Minneapolis, Minn.

Frank Mitchell, Kroydon sales mgr., back from Mexican trip . . . Joe Taylor from CC of Bristol (Tenn.) now pro at Berry Hills CC, Charleston, W. Va. . . . W. G. Walkley, managing director of Ampol Petroleum, wants U. S. women pros to

*There is Only One* **PMAS** The proven **HERBICIDE-FUNGICIDE**

**SAVE TIME, LABOR, MONEY**  
**Treat Turf for Crabgrass, Disease and Fertilize**  
**ALL IN SAME SPRAY APPLICATION**

**PMAS + NITRO-GRO**

**Herbicide-Fungicide**  
**KILLS CRABGRASS and**  
**Controls Copper Spot, Dollar**  
**Spot, Brown Patch, Snow**  
**Mold and Helminthosporium**

● **12-8-6**  
 ● **LIQUID FERTILIZER**  
 ● **Plus Trace Elements . . .**  
 ● **CALCIUM, COBALT, COPPER, IRON, IODINE,**  
**MAGNESIUM, MANGANESE, MOLYBDENUM,**  
**SULPHUR, ZINC, BORON**

**W. A. CLEARY CORPORATION**  
**NEW BRUNSWICK, NEW JERSEY**



**BECAUSE** it is *light and easy to handle*...

Triangle Flexible Plastic Pipe is amazingly light! Crew's time and effort is reduced to a minimum. The pipe can be moved to new spots at will. Being flexible, it goes around obstructions. Obviously, a pipe so much easier to handle means important savings.

**BECAUSE** it *won't rot, rust, corrode or freeze*...

Thousands and thousands of feet of ordinary golf course pipe have to be replaced annually because of corrosion and rust, among many common failures. There are no such drains on your maintenance budget when you use Triangle Flexible Pipe. This pipe is guaranteed against rot, rust and corrosion. In addition, because Triangle Flexible Pipe expands with freezing water, the frost line presents no problem.

**BECAUSE** it is *tough*...

Triangle Flexible Pipe can take a beating. It can be dragged over rough terrain and it can be buried shallow or deep. Moreover, it can take pressure. Every coil of Triangle Flexible Pipe is thoroughly tested to far exceed its rated working pressure.

**TRIANGLE Plastic Pipe is a**  
*Natural* **for your course**

Why don't you try this remarkable pipe? The men who handle it will be enthusiastic and you will soon see marked savings on the course budget. Try it — and prove it to yourself.



PLASTIC PRODUCTS DIVISION  
**TRIANGLE** CONDUIT & CABLE CO., INC.

New Brunswick, New Jersey



THE PERFECT COMBINATION  
**COMPOST GRINDER  
 AND SOIL SHREDDER**  
 with DETACHABLE  
**ELEVATOR**

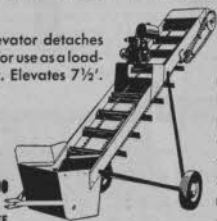
**GRIND  
 AND LOAD**



Here's a duo-purpose machine that shreds heavy sod or grinds the toughest organic matter into the finest compost material or mulch and also loads it onto trucks, etc.

**GRIND ONLY OR LOAD ONLY**

The elevator detaches easily for use as a loader only. Elevates 7½'.



Grinder can also be used separately. All material is thoroughly ground before passing through rollers. Even reduces small stones to bits. Screens furnished to make potting soil and topdressing.

\$684<sup>00</sup>

COMPLETE  
 F.O.B. WICHITA

EACH SECTION HAS ITS OWN MOTOR AND IS MOUNTED ON WHEELS  
 Write for Complete Information and Name of Your Nearest Dealer

**W. W. GRINDER CORP.**  
 DEPT. A WICHITA, KANSAS

come to Australia next year . . . Ampol put up guarantees for U. S. men pros trip "Down Under" last year.

British Open prize money increased to about \$7350, with first being raised to about \$1500 . . . Allan Ray Weeks, formerly asst. to Bill Gordon at Tam O' Shanter CC (Chicago dist.) now pro at Winnetka (Ill.) Playgound muny course . . . Final day admission at Masters' this year \$7.50 . . . Augusta (Ga.) National GC builds press building replacing tent previously used during Masters' tournament.

Al Mengert, runner-up in 1952 National Amateur, joins Claude Harmon's staff as asst. at Winged Foot CC (NY Met. dist.) . . . Alex Wilmott now pro at Beloit (Wis.) CC . . . Henry Ransom to Pine Lake (Mich.) CC as pro succeeding the late Jack Inkster . . . John Copeland heads drive for course at Wagoner, Okla.

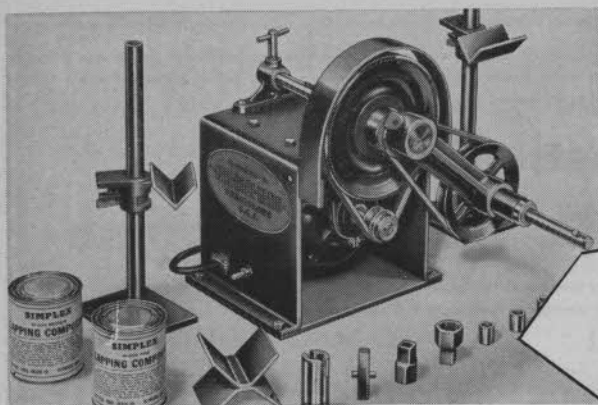
Bill Brooks pro at Rosevill (Calif.) CC to open soon . . . Alabama PGA schedules am-pro matches for every other Monday from March 9 thru Nov. 23 . . . Porky Oliver registering at tournaments as playing pro of El Mirador hotel course at Palm Springs, Calif. . . . It is an 18-hole putting course.

**REDUCE SHARPENING COSTS!**

with a

**SIMPLEX**

Portable Lapping Machine



**\$69<sup>50</sup>**  
 Complete with 1/3 H.P. Motor  
 and reversing switch

This compact, portable Simplex Lapping Machine will recondition with lapping compound any reel-type hand, power, or gang mower.

Keeps them in top cutting condition between grinding jobs. Just carry the Simplex out to the mower and use it right on the grass! Can

be used on a bench or on the floor too. Couples to either side of a mower. Gang mowers need not be unhitched. Drive shaft is adjustable from 3" to 17" and runs either direction at the flick of a switch. No noisy gears — operation is quiet, simple, dependable. Write today for illustrated, descriptive folder.

**The FATE-ROOT-HEATH CO. Dept. G-4-S, Plymouth, Ohio**

# BRITAIN'S FINEST!



## ATCO Greens Mowers for

- Lighter weight
- Greater dependability
- Easier operation

### Lighter! ... Faster! ...

ATCO 17- and 20-inch Greens Mowers are under two-thirds the weight of domestic mowers, minimizing turf compaction. Yet their steady, even balance means smoother cutting on greens, aprons and tees at any desired speed.

**ATCO Reputation!** ATCO Greens Mowers are used at North Berwick, Royal Belfast and other famed British courses. Over 150,000 ATCO Power Mowers are now on the job — *more than half* of the 1921 models are still working.

**Simple to use!** Finger-tip clutch and speed controls. Hi-Speed 9-blade shock resistant reel allows up to 34 close clips per foot. Sheffield Steel blades stay sharp. Metal-to-metal cone clutch means smoother take-offs, easier, trouble-free operation at all times.

**SERVICE Parts Available.** For the name of the ATCO sales and service dealer in your locality, write to:

**ATCO POWER MOWERS**  
67 BROAD STREET, NEW YORK, N. Y.  
PHONE WHITEHALL 3-4242

# "MILORGANIZED" TURF GROWS BETTER LOOKS BETTER

Fairways, greens and tees fertilized consistently with MILORGANITE, the natural organic nitrogen plant food, are distinguished by rich, deep green color, uniform texture and a healthy, closely knit root system. "MILORGANIZED" turf resists disease and withstands many of the climatic rigors to which less sturdy turf succumbs.

These are reasons why Golf Clubs use more MILORGANITE than any other commercial fertilizer. Our Soil Testing Laboratory and Turf Service Bureau are available to you upon request.



**THE SEWERAGE COMMISSION**  
MILWAUKEE • WISCONSIN

Mayor's golf committee submit report urging construction of muny course at Palo Alto, Calif. . . . Report says 500 individuals would advance \$100 each toward financing course . . . Dunwoodie GC, Yonkers, N. Y., sold by Joseph LoCasco, Jr. to Sherdrei Corp. . . . Long Beach, Calif., Chamber of Commerce to suggest to city council that new 18-hole course be built on area acquired by city for protection of runway approaches to muny airport.

Riverton, Wyo. discussing formation of golf club . . . Clifford Wagoner now supt. Sunnyside GC, Fresno, Calif. . . . Donald J. Baker succeeds Wagoner as supt., Modesto (Calif.) muny course . . . Frank Bishop leases Elks CC, Pittsburg, Ks. . . . Wm. B. Benedict now mgr., Topeka (Ks.) CC . . . Expect to start construction of new Portsmouth, Va., muny course soon . . . Jimmy Crossan, vet who's been asst. to Harry Pressler at San Gabriel (Calif.) CC for 4 years, now managing Montebello range in L.A. dist.

Joe Stolarick from Orchard Hills CC, Niles, Mich., to Monroe (Mich.) G&CC succeeding Warren Orlick who took pro job at Tam O' Shanter CC (Detroit dist.)

## GOOD GREENS AND TEES ALL SEASON

Experts all over the country are finding green and tee trouble stem from hard packing.

Bent roots must have oxygen and they can't get it thru a hard, fine packed top layer.

The answer is the use of a uniform coarse sand that is clean and free from hard packing fines. Spike tooth the green, clean, apply uniform coarse sand and drag.

We'll ship anywhere — bagged or bulk

### NORTHERN GRAVEL COMPANY

407 East Front St.

Muscataine, Iowa



**U**sed by the nation's best clubs, courses and institutions



**ARMOUR FERTILIZER WORKS**  
**GENERAL OFFICE • ATLANTA, GEORGIA**

"There's dirty work afoot", says **SCRUBBY**

... but who cares? I'll give 'em the quick, easy PUSH BUTTON BEAUTY TREATMENT with

**LEWIS**

**Golf Club CLEANING MACHINE**

• New 1951 Faster Brush Action. (Conversion pulleys to speed up 1950 models available free)

• Cleans woods or irons in seconds without hand rubbing or scrubbing. Anyone can use it. Can be coin operated for public courses.

• Built for years of dependable service with a minimum of attention.

ASK FOR DEALER DEMONSTRATION

**G. B. LEWIS CO.**  
WATERTOWN • WISCONSIN



**KEEPS CLUBS CLEAN**

... Lovington, N. M., to build course ... Glenmoor course at Lansing, Mich. to be converted to huge shopping center ... New clubhouse to be opened this spring at Homestead G&CC, Spring Lake Heights, N. J. ... Inglewood CC, Seattle, Wash., renews lease for 10 years.

Ben Sheets from Meridian Hills CC, Indianapolis, Ind., to manage Evanston (Ill.) CC ... Paul Hahn signs 3-year contract with Ellinor Village CC, Ormond Beach, Fla., to represent the club on tour ... That's his mail address now ... Don Young who's been pro at clubs in Florida and Indiana, now getting publicity on his system for beating roulette ... He's making a night club act out of his idea as he's not a betting man ... Hope he has better luck than pros have had with systems for beating horses ... Only publicity they've had is from creditors writing letters that start "Unless ..."

Lawrence Huber, supt., Ohio State U courses, Columbus, O., hires V. Lewis Payson, one of Prof. Dickinson's graduates, as asst. ... Golf Course Supts. Assn. of America sets 1954 National Turf Conference dates Jan. 3-8 at Miami, Fla. ...

**Only the toughest will stand the gaff : MELFLEX of spike shoe traffic FLOOR PROTECTION**

Definitely — MELFLEX means the safest, most enduring and the most economical in service-years-cost of all golf clubhouse flooring.

A trial order will convince you, as it has hundreds of maintenance-wise managers and professionals, that MELFLEX PRODUCTS are the answer — this year and for years to come — to your problem of member safety and floor protection.

USE MELFLEX MEL-ISLE or MEL-FLOOR RUNNERS in your pro shop, locker rooms, halls, and heavy traffic lanes.

MELFLEX can supply, promptly, on direct, factory - to - you - purchase, in any reasonable length or width.

Try **MEL-ISLE**, the ribbed type runner — or **MEL-FLOR**, the smooth type runner.

Both are champions at handling heavy duty, spiked shoe wear — and easy to clean. Both are made of the toughest, surest-footed material obtainable — rubberized fabric full 1/4" thick. MELFLEX Diamond Tread Step Treads — years and years of safety service. MELFLEX Landing Mats — rugged, non-curling, easily cleaned. MELFLEX STANDING MATS — SHOWER MATS — KITCHEN MATS.

**FOR THE DRIVING RANGE:**

MELFLEX Heavy Duty Driving Tee Mats — made of bomber airplane tire carcasses. Smoothest playing, longest lasting of tee mats • MELFLEX Rubber Tees, tough, tubular, at \$17.25 per hundred.



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