



Toro mowers trim turf for '51 National Open



Herb Shave

Championship golfing calls for top-quality greens and fairways. And that calls for Toro mowers at Oakland Hills Golf Club, Birmingham, Mich.—scene of the 1951 National Open. Herb Shave, head greenkeeper, is getting the ground in shape with everything from the Toro General Tractor to Toro Power Greensmowers. Championship mowers do championship jobs.

And Toro equipment can give you the same first-rate results. There's a mower engineered to handle every operation. See your nearby Toro distributor today. He'll be glad to show you the *right* machine for your requirements.



TORO PROFESSIONAL. Cuts 15 to 20 acres per day with 76" swath. Convertible to 30" swath. "Out-in-front" reel cuts close. Forward and reverse transmission. Wisconsin 7½ h. p. engine.

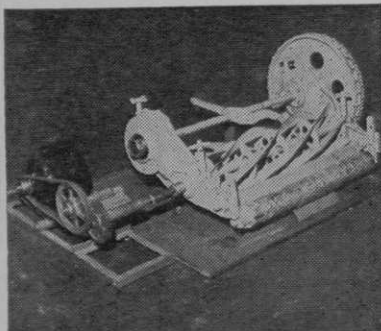


TORO ZIPPER sickle bar mower ... for cutting weeds, tall grass. Self-propelled traction drive. 36" cutting bar. 1½ h.p. engine. Cuts close on banks, close to buildings, under fences.



SIGN OF SERVICE... and Toro nation-wide service facilities give you fast help and parts delivery. For more facts, write: Toro Mfg. Corp., 3022 Snelling Ave., Minneapolis 6, Minn.

ATLAS LAWN MOWER LAPPING MACHINE



A compact, light-weight machine for lapping all models of Hand, Power and Gang Mowers! May be easily used on work bench or floor, eliminating the lifting of heavy mowers. The simple height adjustment for the reel shaft may be used from 4 1/2" to 10 3/4". Equipped with several attachments to fit different reel shafts. Metal blocks for rollers. Steel stands to support the mower.

FULLY GUARANTEED

List Price, With Motor \$61.50

List Price, Without Motor 39.00

Write for Bulletin.

Atlas Lawn Equipment Co.

9761 Olive Street Road

St. Louis 24, Missouri

course last fall . . . Skycrest was bought by Twin Orchard CC members last fall.

Play on soft greens and tees in North again damaging courses this spring . . . Turf damage during the spring thaws necessitates expensive repairs and delays getting the courses into good condition . . . Seldom can supts. do anything about this as it's a matter for high level ruling . . . When early summer comes and the damage of play on soft, thawing courses still shows who complains most about it and blames the greenkeeper? . . . The same cement-heads whose play caused the damage.

Byron Nelson comes from Ed Sullivan's Toast of the Town TV show where By received highest fee ever paid for golf exhibition to conduct clinic at Indiana PGA spring meeting April 11 . . . George McCarthy, O. J. Noer, Henry Cowen, E. Stumm, Joe Wolf and Bo McMillan also on Hoosier's program . . . Bill Jeliffe has Colorado auto license 1111111 because of seven aces he's made . . . He made his 7th with a 7 iron on 7th hole, 7th day of 7th month . . . Better luck than I've had with 7s in Zulu golf . . . Joe Kirkwood, jr. to star in a movie to be started in Hollywood this month . . . Joe, jr. will switch from Palooka role to a Western part . . . The lad is a good actor as well as a very competent tournament golfer.

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ROSEMAN

HOLLOW-ROLLER-DRIVE

"FAIRWAY IMPROVER"

MOWERS

Write, Wire or Phone for Detailed Price and availability. Phone UNIVERSITY 4-1842



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IMPROVED FAIRWAYS

Smooth, uniformly cut putting green surfaces are the result of mowing with roller-type green mowers. This same desirable quality can be had on your fairways by using Roseman Hollow-Roller-Drive Gang Mowers. Give your fairways putting green like turf, every shot a perfect lie.

LOWER LABOR COSTS

Roseman Hollow-Roller-Drive Mowers mow faster without kicking up in the rear. Roller design permits

overhang of traps. No protruding side wheels permit close cutting around trees. Fewer man-hours required to perfectly groom your course.

LESS DEPRECIATION

Top quality and provision in design for low cost replacement of all wearing surfaces make it unnecessary to discard many costly parts.

QUALITY EQUIPMENT

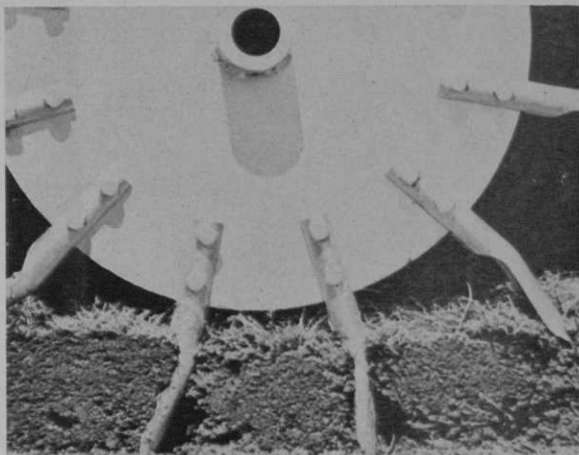
Nonbreakable side frames. Friction-free drive in oil bath. Timken tapered adjustable bearings. Highest quality carbon molybdenum bedknife and chrome nickel cutting reel



ROSEMAN MOWER CORPORATION

**EVANSTON, ILLINOIS
U. S. A.**

Prepare a good rootbed



with the *Aerifier**

Grass roots grow in the spring. Now is the time to encourage the deep roots that will enable the turf to stand up during adverse summer weather. Especially on tees it is desirable to develop a deep-rooted turf that will not tear up easily. Aerify tees at intervals of 3 to 4 weeks throughout the growing season.

Aerification is essential to root development and normal growth of the grass. It is not enough to prepare a good seedbed so seedlings can become established. Good soil structure must be maintained in the rootbed to make possible complete development of the grass plants.

"Cultivating action" of the Aerifier loosens soil around the holes. Loosened soil is necessary if roots are to develop. Compact soil resists root penetration and hinders the growth of roots. That is why only a small quantity of roots grow in a hole made by punching. Roots that grow in Aerifier holes spread out into the surrounding soil.

In a good rootbed, soil should be open enough to take water rapidly. Soil must be porous so there is a sufficient exchange of air between the soil and the atmos-

phere. Roots breathe. The carbon dioxide they give off must escape into the atmosphere and fresh air has to get into the soil to provide oxygen.

Compaction of soil takes place quickly. Even though aerification was done last fall, springtime aerification may be necessary. On mild days in the winter, players use the course while soil is wet. Spring rains compact the soil. Aerification is needed to overcome these effects.

Aerification makes it possible to omit part or all of the spring top-dressing. Soil brought to the surface by the Aerifier covers runners and helps to even up the surface. Extensive root growth in the Aerifier holes increases the organic content of the soil. Aerify for economical improvement of the soil.

Now when labor and materials may be curtailed, efficient management practices are vital. Aerification reduces disease, conserves water and provides greater value from fertilizer. Keeps soil in the rootbed in good condition, encouraging healthy, uniform turf. The self-powered G-L Aerifier provides convenient, efficient aerification for both greens and tees.

West Point Lawn Products

West Point, Pa.

*Reg. U.S. Pat. Off.

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April, 1951

13

WHAT DOES IT COST to prepare top dressing MANUALLY?



COSTS REDUCED 89% when you use a ROYER COMPOST MIXER



One man and a Royer Compost Mixer can prepare nourishing, ready-to-use top dressing in one-eighth the time needed by ordinary manual methods . . . with a consequent saving in labor costs.

And the sand, fertilizer and humus (or other top dressing ingredients) are granulated to correct, uniform fineness and blended into a top quality compost . . . free of sticks, stones and trash . . . ready to be fed to hungry greens. Hundreds of Royers are in golf course service, preparing top dressing the simple, easy way . . . releasing valuable man power for other duties.

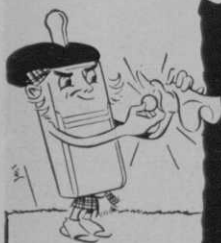
Find out how a Royer Compost Mixer will save time and money for you. Available in capacities to suit your needs. Write for Bulletin 46.



ROYER FOUNDRY & MACHINE CO.
171 PRINGLE ST., KINGSTON, PA.

Joe Williams, Scripps-Howard sports writer put on first public golf clinic establishing present pattern, as Cleveland Press promotion in 1924 . . . Walter Hagen put on the shot demonstration and instruction show then played 9 holes as a playing lesson for gallery of about 500 . . . Grand article about Ben Hogan in March Reader's Digest . . . Written by Frederick Hazlitt Brennan who did the movie story of "Follow the Sun" for 20th Century-Fox . . . Sam Snead in RKO-Pathé Sport-scope shot-making short taken at Greenbrier, White Sulphur Springs.

Al Huske engages Bud Werring of Minneapolis and Jim Pape of Terre Haute as his assistants at Glen Oak CC (Chicago dist.) . . . Spokane (Wash.) CC new clubhouse ready for Pacific Northwest GA championships July 23-28 . . . Talk is that USGA and R&A in getting together on rules will agree on stroke and distance penalty for ball out of bounds, lost or unplayable . . . No chance of making USGA and R&A ball specifications the same . . . Cost of changing dies and other manufacturing processes is too much . . . Would mean increase in cost of golf . . . Those who stock-piled (or hoarded) top quality golf balls in rush after start of Korean war might as well start spraying them all over the courses . . . No shortage of top



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IMPROVED
GOLF BALL
WASHER**

LOW COST!

BEAUTIFUL! EFFICIENT!

NEW RUBBER CUSHION arrangement in bottom of washer absorbs shocks, adds to life of cleaner.

NEW TYPE FINISH includes third coat of clear plastic. Withstands season after season in any climate.

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MAGIC
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set a pace that pays ... on any turf

WITH **WORTHINGTON** **TRACTORS AND GANG MOWERS**

You can cut hours in mowing time and many dollars in labor costs with the right combination of Worthington Tractors and Gangs.

WORTHINGTON ROUGH GRASS BLITZER Steep slopes, uneven ground, high, tough grass — the Rough Blitzer eats it up by the acre. Large diameter reel permits wide fly knives to gather in and clip tall growths. Specially designed springs hold cutters down . . . prevent skipping and bouncing on rough ground. Available in 3, 5, 7 and 9-gang combinations with a range of cutting swaths from 7 ft. 2 in. to 21 ft. 2 in.

WORTHINGTON FAIRWAY MOWERS With these fast, smooth-cutting gangs, one man handles the fairway mowing of an average 18-hole golf course in eight hours. Flexible unit hook-up of gangs allows each unit to conform to rolling surfaces . . . eliminates skipping and scalping. The Fairway mower is hooked in 3, 5 or 7-gang combinations, giving a width of swath up to 15 ft. 6 in.

MODEL G TRACTOR Wherever gang mowers are pulled and large areas are maintained, the Model G has the power, speed and maneuverability to do the job right. With exceptionally low center of gravity and big 40 hp. engine, the Model G works easily on steep hillsides. Short, 5½-ft. turning radius saves time in close quarters.

MODEL F CHIEF TRACTOR New design puts the Chief a big step ahead in golf course maintenance work. With driving wheels in front, the Chief utilizes 75 percent of tractor weight for greater traction. Front-mounted gang mowers cut grass before tractor wheels touch it — no streaking due to compacted grass. Driver watches mowers without turning around, gauges distance better, reduces size of overlap.

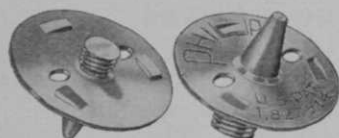
The Model F Chief also operates the hydraulically controlled Ranger Mower allowing driver to raise gangs for road travel without leaving tractor seat.

For the full story on Worthington pace-setting equipment, write us or contact your Worthington distributor.

WORTHINGTON MOWER COMPANY
Stroudsburg, Pennsylvania

PHILLIPS

CAM LOCK



The Answer to Lost Spikes

CAM LOCKS have been added to the regular LARGE BASE spike. The CAMS hold spike fast in position. Will not rough sole.

F. C. PHILLIPS, INC.
STOUGHTON, MASS.

quality balls this summer ... Maybe some curtailment of cheaper ball production.

Martin Mattison, Hawaii golf salesman, says keen competitions are developing Hawaiian talent for U.S. tournament circuit ... Latest big Hawaiian event was Navy-Marine invitation tournament, pro end of which was won by Barrett Melvin of Schofield ... Kammy Lau, who won Hawaii's first public links championship in 1933 and turned pro in 1941, has set new records on several Hawaii courses recently ... Chick Evans, who played in opening day exhibition of Excelsior Springs, Mo., course, Oct. 16, 1915, will play in exhibition with "Duke" Gibson, Roy Pettegrew, Excelsior Springs pro; and Ted Piburn, former caddy for Evans, when remodeled Excelsior Springs course is opened in May.

PGA National course at Dunedin got more play last winter than during any previous winter ... Course in better shape than ever before ... Transformation of greens from Bermuda to rye made in easy stages after rye had been allowed to grow to 3 inches ... Dunedin resident members, informed of the program, didn't beef about the 3 inch greens, which gradually were reduced to 2½ in., 2 in., 1½, ¾ then 3/16 ... All cutting was done at different angles ... Greens were fine for PGA Seniors and rest of winter ... Greens were

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Remember, PNEU-MATS are **not** ordinary rubber runners. They are woven from heavy rubber and fabric strips. Write for complete information today:

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Stock your 1951 Parglov line now. Order by mail, with the confidence that your order will be executed exactly as you instruct—with prompt, accurate shipment. Send for the new Parglov folder that gives full details of the 1951 line of nylon and leather gloves and accessories.

Look at this new Par-D-Lux for 1951! It's truly a luxury item designed for the player who demands the best. Effectively tailored from the world's finest glove leathers . . . combined with brightly colored nylon backs. Order now—put them on display. They'll sell on sight!

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Hackensack Golf Club, Oradell, N. J.

"DURING many years as greenkeeper, I have made numerous experiments with different types of fertilizer and have come to the conclusion that a well-balanced fertilizer is best for turf growth," writes Bernard Roth, greenkeeper, Hackensack Golf Club, Oradell, N. J. "The plant food contained in your AGRICO COUNTRY CLUB Fertilizer is in just the proper proportion to produce rich, strong, green turf. Agrico helps make a stronger root growth than is the case when the turf is fed with one plant food element. Agrico has everything required to feed our greens and fairways."

Remember, Agrico is specially made to feed golf-course turf and feed it right. Order from your regular supplier, phone nearest A.A.C. Sales Office, or write now to The AMERICAN AGRICULTURAL CHEMICAL Co., 50 Church Street, New York 7, N. Y.



AGRICO Country Club FERTILIZER

aerified . . . Greens and fairways got accented fertilizing program . . . This summer Dave Elphick to disc and aerify fairways, reduce some traps, condition the rough so it will be like rough should be on a golf course, and take from his nursery some Tifton 57 for greens . . . Dave's working in close contact with Southern Turf Foundation program to make Dunedin course an exhibit of best Southern golf turf maintenance on moderate budget . . . Milan Marusic set PGA course record with 32-32-64 last winter.

Andrew Brown, in his 15th year as mgr.-gkpr.-pro at Rockaway River CC, Denville, N.J. and 40 years in pro-green-keeping, asks a pointed question about winter rules . . . "If you've got winter rules what's the use of spending days working, nights worrying and money trying to maintain good turf on a golf course?" . . . Club Managers' Assn. of America urging uniform system of accounting at clubs to facilitate filling out and using CMAA monthly questionnaires on club operating expenses . . . Henry P. Cowen, pres., MacGregor Golf, made a director of the National Caddy Assn.

Life Magazine's biggest feature on golf was piece on Peachtree course at Atlanta designed by Robert Trent Jones working with Robert Tyre Jones, Jr. . . . Two page spread showing course design points out



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GREENKEEPER
WHO PRACTICES
ECONOMY
THESE DAYS
WITH ...



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Greenkeepers EVERYWHERE are enthusiastic about the economy of LIQUID-LUSTRE . . . it costs as little as 2¢ PER WASHER PER WEEK! Famed for convenience and safety, too . . . cleans quickly and easily; contains no harmful chemicals; can be used in hard or soft water. Preserves golf ball lustre.

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11th green (240 ft. long) as longest tee in U.S. and green on par 5 10th as largest green (14,500 sq. ft.) in U.S. ... California CC, for almost 30 years a live spot in Southern California golf, to be subdivided ... Muny 9-holes at Altadena, Calif., opened ... Mountain Meadows CC plans to add 9 holes to its existing 9.

Frank Walsh, driving from Chicago to his job as pro at Red Run GC (Detroit dist.) taken from his car at St. Joe, Mich., with hemorrhage from an ulcer ... Later transferred from St. Joe hospital to Presbyterian hospital at Chicago where he's mending ... Southern Turf Foundation employs B. P. Robinson, trained under Dr. Glenn W. Burton, as full-time turf specialist ... Northeastern Wisconsin Golf Assn. holds its annual club golf operations clinic at Butte des Mortes GC, Appleton, Wis., Tuesday, May 8.

Samuel Marston Clapper and Barbara Ann MacKinnon married Feb. 3 at Newton Highlands, Mass. ... Skiing trip in the Laurentians was the honeymoon journey ... The newlyweds will establish a home in New Hampshire where Sam is representative for the Clapper Co. ... District of Columbia Junior championship to be for Marvin Worsham memorial trophy donated by Del Webb ... Norman von Nida, Eric Cremin and Kel Nagle will pool winnings when the Australians make the U.S. tournaments this summer.

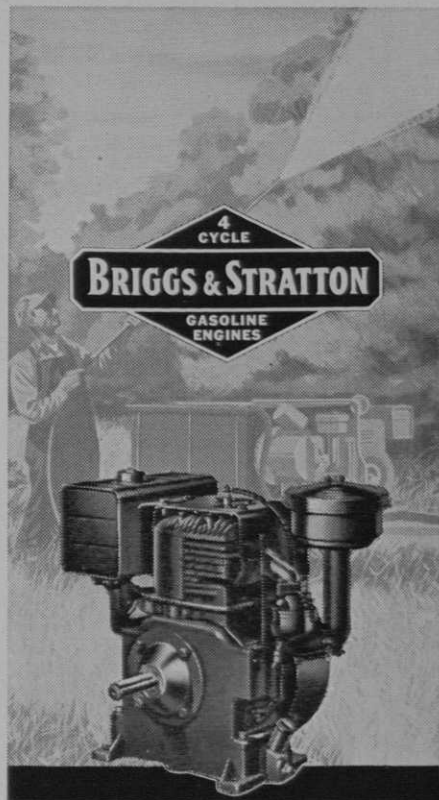


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Davis Grass Seed will help you establish and maintain a better wear resistant turf. We offer only seed of the highest purity and germination. Our prices are right. Immediate shipment from large stocks.

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Preferred power on orchard sprayers and other orchard equipment — the world's most widely used single-cylinder gasoline engines on machines and tools for industry, construction, railroads, oil fields, etc., and on appliances and equipment for farm and home.

THIS TRADE-MARK is your guide to all that is best in 4-cycle, single-cylinder, air-cooled gasoline engine performance. Briggs & Stratton Corp., Milwaukee 1, U.S.A.

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Get DUAL CONTROL CRABGRASS and FUNGUS with 10% TAT C-LECT

Dollar Spot
Copper Spot
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Small brown
patch



CRAB
GRASS

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Cost per
application

73¢

per green
of 5,000 sq. ft.

This proved, economical, *combination* control prevents crabgrass and fungus from getting a start . . . is easily applied . . . costs little per green per treatment.

START four weeks prior to normal crabgrass emergence (April or May, depending on locality). Apply every seven days during the first month, then at 10-day intervals for balance of season.

FOR AN AVERAGE GREEN of 5,000 sq. ft., use 6¼ ounces of 10% TAT C-Lect in 80 gallons of water.

RESIDUE IN SOIL builds up . . . mercury kills crabgrass as seeds germinate and *in addition* controls turf diseases.

FOR NEW SEEDINGS use the same procedure, but do not start until 10 days after grass emerges.

ORDER NOW from your distributor . . . or we will ship direct and bill through your distributor. Estimate season's needs and take advantage of these low prices:

Single gallons	\$17.35 ea.
Cases (4 gallons)	15.40 per gal.
5 gallon drums	14.90 per gal.

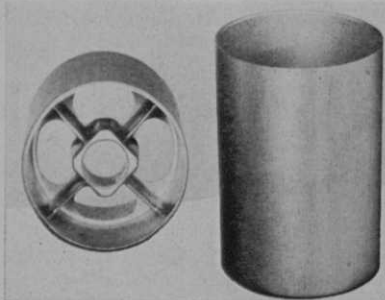
O. E. Linck Company, Inc.
Dept. G3 Clifton, New Jersey

Metropolitan (NY) GA plans to charge \$2 for handicap cards with \$1 going into prize fund for Metropolitan Open . . . Met Open at Forest Hill Field club, Bloomfield, N. J., Sept. 18-20 . . . Women's pro circuit worked up by Fred Corcoran to nearly \$100,000 this year . . . Five more sports writers added to women's golf Hall of Fame selection board . . . Midcity fee course in Chicago closes in April to be subdivided.

Sec. of Interior signs 5-year contract with S. G. Loeffler for continuance of operation of District of Columbia's courses . . . Contract gives D.C. Recreation Board right to buy out Loeffler's contract at end of either first or second years . . . Loeffler pays \$17,500 fixed fee and percentage of gross receipts running from 2 per cent on first \$200,000 to 8 per cent on amount over \$600,000 . . . Greenkeepers in Connecticut praising Joe Gilliard for stand-out job in bringing his two-year-old 9-hole Rock Rimmon CC course at Stamford into excellent shape so quick . . . Pros and committees seem to be on job earlier and better than ever before in planning season opening indoor demonstrations, lesson and rules clinics, movies and other indoor parties for men's, women's and mixed groups.

Slot machine prohibitory laws kicking golf ball machines out of the shops . . . Ball machine was entirely a sales promotion device for pros . . . Records of Pat

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1. Made by the new "Precise Die Cast" method, accurate to a few thousandths/inch.
2. Made of 99% pure zinc — rust proof.
3. 25% lighter than cast iron cups, with three times the tensile strength of cast iron.
4. Years of use on hundreds of golf courses have proven their superiority.
5. They comply with USGA Rules and Measurements. Cup tapered 1/8 in.
6. Built with particular attention to high quality; stronger pole sockets; drainage and smoothness, inside and out.

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