

Strong as an ox; quiet as a mouse Climbs 48% grades without breathing hard. You have a choice of a powerful 10 h.p. twin cylinder, horizontally opposed gasoline model or a 2½ h.p. electric model with speeds up to 10 mph. Yet, despite this power, they're so quiet you hardly know they're there.

### Proof: the Golfmaster is a real money-maker

The following example is based on a golf club using a 3-year Toro finance plan. The club is privately owned and has approximately 300 playing members. The club has signed a contract for the purchase of 15 Toro Golfmasters including the cost of freight and local taxes for a total of \$19,600. The playing season lasts approximately 6 months.

### Typical operating statement

INCOME FROM GOLF CAR RENTALS:

| Insurance for 15 golf cars   | 3.00 |
|--|------|
| Insurance for 15 golf cars 50   Gasoline and oil for 15 golf cars 76       |      |
| Insurance for 15 golf cars 50   Gasoline and oil for 15 golf cars 76       | 0.00 |
|  | 0.00 |
| Depreciation based on a 5-year schedule 375                                | 6.00 |
| pepresident passes on a stan periodule                                     | 0.00 |
| Routine repair parts and labor expense per car at \$50.00 per year x 15 75 | 0.00 |
| Reserve for major overhaul at \$85.00 per year x 15 1,27                   | 5.00 |
|  | 0.00 |
| Total Operating Expense  | 1.00 |
| Net Operating Profit (Before applicable income taxes)                      | 2.00 |

Your Toro distributor will help you set up a profitable "Golfmaster" plan and discuss financial arrangements. Why not call him now and get full information on the profitable "Golfmaster."

# "GOLFMASTER"

†Exclusive mark of Toro Mfg. Corp.

Toro Manufacturing Corporation, 4000 Snelling Ave., Minneapolis 6, Minnesota

TORO'S NEW ELECTRIC CADDY CART PROMISES YOU

### Happier Golfers, Fewer Caddy Problems and a Profit!

### Solves these four golf course problems:

**1** GOLFERS WHO WANT TO WALK, BUT NOT WORK. Toro's new battery-powered "Caddymaster"† is ideal for the golfer who refuses golf cars because he wants to exercise, but doesn't want to work pulling a cart.

**2** SHORTAGE OF CADDIES. A lifesaver when school, illness or absenteeism leaves you short of caddies. And you pocket the fee. Solves problem of off-season and odd-hours golfers.

**3** HIGH CADDY OR GOLF CAR FEES. Many golfers don't want to pay \$6 to \$8 for a golf car or go to the expense of caddies. The ''Caddymaster'' at a suggested \$2 a round is the answer.

**4 SNAIL-PACED GOLFERS.** "Caddymaster" keeps the golfer from getting tired and slowing down profits. Gently but firmly it keeps him moving. Fun for the golfer to operate, too.



Plenty of Power. Easily goes 18 holes before charging. Easy to charge —each battery has its own charger and timer. 110 AC current. Change to a fresh battery in 30 seconds.



Follows Golfer with a Touch of the Handle. Just push down on the handle and the battery takes over. The "Caddymaster" follows the golfer, matching his stride at any speed he sets. The more pressure on the handle, the greater the speed; the less, the slower. Highly maneuverable—inside turning radius of 11". Climbs hills easily.



Try the "Caddymaster" on your golf course for one week...



### HERE'S HOW OUR FREE, NO OBLIGATION, NO COST GOLF COURSE TRIAL WORKS.

- Use the "Caddymaster" for one week.
- Rent the "Caddymaster" to your golfers at \$2.00 a round.
- At the end of one week you keep 50% of all rental fees.
- Then the Toro salesman will contact you to pick up the demonstration model. That's all there is to it.

MAIL THIS COUPON TODAY TO GET A FREE TRIAL "CADDYMASTER" ON YOUR GOLF COURSE. Within one week your Toro distributor will reach you by phone or mail and arrange for a demonstration at a time convenient for you. Absolutely no obligation or cost. But hurry. Fill out, tear out and send in the card today. This unique offer is good for a limited time only.

†Exclusive mark of Toro Mig. Corp.



Toro Manufacturing Corporation, 3069 Snelling Avenue, Minneapolis 6, Minnesota

TORO MANUFACTURING CORP. 3069A Snelling Ave. Minneapolis 6, Minn.

Yes! I am interested in obtaining the free Caddymaster trial program. I understand there is no obligation or cost and that the trial is to last one week. Please handle this immediately before the time limit on this offer runs out.

| NAME OF PERSON TO CONTACT |      | PHONE |  |
|---------------------------|------|-------|--|
| POSITION                  |      |       |  |
| NAME OF CLUB              |      |       |  |
| ADDRESS                   |      |       |  |
| CITY                      | ZONE | STATE |  |
|                           |      |       |  |



Superintendent's Labor-Savers!

# **CUP-LESS**

The NEW, practical practice putting target rings. . .

### Easy on greens – Easy on golfers!

- Eliminate constant cutting and re-cutting of putting cup holes on practice greens.
- Eliminate player stooping and bending to remove balls from putting cups.
- Eliminate concentration of turf wear and tear on practice green surfaces.
- Allow players to choose their own practice putting lines.
- Get more mileage out of practice putting greens — save on maintenance costs!

CUP-LESS practice putting target rings have inside diameter of 41/4 inches (same size as regulation putting cups), are easily moved with putter blade to any location on green — spreading traffic wear and tear over entire green surface instead of localizing it. .

Packaged in dozen lots

1 doz....\$10; 2 doz....\$18 Shipments prepaid from:

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The joint move by Del Monte Properties and the Northern California GA to build a course to the design of Robert Trent Jones on Monterey Peninsula shows that one association is planning ahead to solve the increasing difficulty of getting tournament locations . . . The NCGA will engineer construction and financing of the course and have it as a site for its championships and other events . . . These probably will include some national championships . . . Francis Watson, former NCGA pres., Bob Hanna, the association's executive sec., and Jones have made tentative location of the Monterey Peninsula's yet unnamed fifth course which has had okay of Richard Osborne, pres., Del Monte Properties.

Western GA in arranging for Chicago district rotation of its Western Open championship appears to be approaching the right answer of organizing and dividing the responsibilities of major championships . . . Ticket sales are looking good . . . The program ad deal has been ruled out by the WGA . . . Strongarm promotion of some National Open programs in the past and PGA program advertising is reresented . . . This is especially true when it is contrasted with the Masters which gives the customers free the starting times, scores and course information needed.

On site of the old Cedarbrook CC in suburban Philadelphia there is to be built the sort of community that may keep private golf courses close in to metropolitan centers . . . High rise apartment buildings, motel, office and research buildings, shopping center are to be located in \$50 million project which will retain some of Cedarbrook's 18 greens and fairways on a shorter course . . . A man who can leave his apartment on the 35th floor and get to the first tee of his course as though he's walking from the lockerroom, then go to his office from the 18th green as though he were going to the club grillroom can save a lot of time for work.

Bob Tosh, supt., Wallingford (Conn.) CC, is subject of interesting interview in "People In Our Town" series in Wallingford Post . . . Bob, 27, is a University of Mass. course management school graduate and a son of the veteran pro-supt., Dave Tosh, a Carnoustie import . . . Charles Steed, owner of the 9-hole Jackson, S.C., Savannah Valley GC, has more than 200 fruit trees on the course.

Avon Oaks CC, in Cleveland, O., sub-



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# 18

RADIANT T-to-GREEN FLAGS These nylon flags will improve the play on your course and cut the annual maintenance costs.

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Golf Signs & Flags

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Toronto (C15), Cohansey (C7), Washington (C50), Pennlu (10-37-4), Arlington (C-1), Congressional (C-19).

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| Send us details<br>greens, with<br>Warren'STOLO<br>FREE FOLDER:<br>Putting Greens<br>Stolons" | NS 🗌 Warre | n'SOD<br>and Planting of |
|   |            |                          |
| CLUB NAME   |            |                          |
| CLUB NAME   |            |                          |

urban Avon, bought by members for \$1.2 million . . . They will spend more than \$400,000 to complete and increase facilities of the two-year-old club . . . Prince Georges (Md.) CC building \$250,000 clubhouse addition . . . Ronnie Mattson, son of Harry Matson, New England pro who returned to amateur ranks, has been hired as asst. by Henry Bontempo, pro at Franconia muny course, Springfield, Mass. . . . Ronnie, 24, who has won a bunch of Junior championships, is the best golfer to come out of Western Mass. Junior ranks in ten years, says Bontempo.

Ray Twombly, supt. Glen Oaks CC, elected pres., Metropolitan GCSA succeeding James Fulwider, supt. of Century CC ... Henry Bartholomew resigned as supt. and course mgr., Bethlehem (Pa.) municipal course, when new policy took away shop concessions . . . Bartholomew to be pro-supt. of new course the Phoenix Contracting Co., Pottsville, Pa., is building in Lanark . . . Les Stephenson now pro at Keystone Heights (Fla.) G&CC . . . Ron Stansbury signed as pro at Beaver Creek CC, Hagerstown, Md., succeeding Dick Mullen who now is at a Hagerstown range and sports center.

Jack White, winter pro at Indian Creek CC, Miami Beach, returns to summer pro work as pro at Fred Waring's Shawnee-on-Delaware CC, Stroudsburg, Pa. . . Jack was pro at Stockbridge (Mass.) CC for 33 summers until a year or so ago . . . He retired from summer work but Waring got him to return . . . Tom Webb now pro at Knox County CC, Galesburg, Ill. . . . Looks like somebody tried to throw a fast curve past officers and members of Golf Writers' Assn. of America by telling an advertising agency that GWA would donate a trophy to the winner of the proposed 36-hole competition on Sept. 8-9 between winners of U.S. and British Opens, the Masters and the PGA . . . Ed Miles, GWA pres. and Atlanta Journal golf writer, in letter to television program sales organization, said GWA had made no such decision.

Mal Deitch and Dr. Joseph Goodstein have bought the Deercrest CC, Greenwich, Conn., and have changed its name to the Green Hills CC . . . Jack Redmond, veteran trick shot golfer, returns from another cruise and from playing road shows again . . . Doug Ford carrying the sandwich on the tournament circuit for the Pedido Bay club being built near Pensacola, Fla.



### New "321" greens mower

An outstanding new engine has been added to the famous Jacobsen GREENS MOWER—the Jacobsen "321". This new engine operates on a 32-to-1 gas to oil fuel mixture—a 50% reduction in the amount of oil used.

Other advantages of the new "321" GREENS MOWER include: longer plug life... extremely clean burning—smoke reduced to a minimum... new combustion chamber design that produces greater power at low speed . . . improved fuel carburation . . . and a new heavy-duty ball bearing support for the crank-shaft.

Get the facts on these and other Jacobsen "321" GREENS MOWER features. They add up to easier handling, lower maintenance and the finest greens mower ever built. Ask your Jacobsen Turf Equipment Distributor for a demonstration or write for complete details today.

# JACOBSEL LA

### Jacobsen Manufacturing Co., Dept. G-5 · Racine, Wisconsin



For literature on above products write to The C. B. Dolge Company, Westport, Connecticut



Geoffrey S. Cornish, Amherst, Mass., is architect of 18 hole courses soon to open for Kirkbrae CC, Lincoln, R.I.; The Farms CC, Wallingford, Conn.; Oak Lane CC, Woodbridge CC; and the new Memorial course at Springfield, Mass.; as well as 18 for Blue Rock Par 3 at South Yarmouth, Mass. . . . Cornish also designed first 9 of proposed 18 courses for White Cliffs CC, Plymouth, Mass., Indian Ridge CC, Andover, Mass.; and Hop Meadow CC, Simsbury, Conn. . . . These will open soon as will second 9s Cornish designed for Wellesly (Mass.) CC, Winnesucket GC, Woonsocket, R.I., and Allendale CC, Dartmouth, Mass. . . . With exception of Springfield's municipal Memorial course, the other Cornish-designed layouts had as construction supervisors qualified maintenance supts, who will stay with the clubs . . . Cornish says that Harry Eckhoff, eastern regional director of National Golf Foundation, helped some of the new clubs get out of dreamland and into reality.

Philadelphia Fairmount Park commission has agreed to swap 12 acres of the Roosevelt GC to private builder for 9 acres of land and \$30,000 . . . Builder also will pay for relocating six holes at the course . . . Joe Watrous, pres. of the L. I. PGA has been appointed to the pro staff of the new Tam O'Shanter GC, Brookville, L. I. . . Mal Galletta, Jr. is pro at Tam, which is scheduled to open for play June 1... Palm Springs (Calif.) muny reports 6,101 rounds were registered in March as compared to 6,600 in 1961 . . . However, cash deposits for golf were about \$2,600 ahead for 1962 . . . Dick Metz, Jr., St. Petersburg, Fla., has joined Al Huske's pro staff at Glen Oak CC, Glen Ellyn, Ill.

The Western Open, which will be played at Medinah (Ill.) CC, June 28-July 1, will be limited to a field of 132, with a minimum of 120 pros . . . The qualifying round for spots that aren't taken by exempted players will be held on June 25 at Medinah, which is about 25 miles west of Chicago . . . The Western Open is being brought to the Chicago area on a permanent basis starting with this year's tournament . . . Rick Perditz of the Miami News and Nick Del Ninno of the Boston Traveler were the only two golf writers to pick the winner and his score in the Masters contest sponsored by Spalding . . . Lee Record, graduate of Colorado State U.,



# CALO-CLOR® VAPOR Shield

Improved CALO-CLOR produces a continuous. protective micro-climate that blankets turf. mat, thatch and root zone in a long-lasting vapor -keeps greens disease-free far longer with a single application. Even after mowing or rain, CALO-CLOR regenerates its effective fungicidal Vapor Shield that continues to kill invading air-borne, rain-borne and soil-borne spores.

#### HOW CALO-CLOR VAPOR SHIELD WORKS-AND WORKS!

The rapidly soluble mercuric chloride compound of CALO-CLOR immediately controls turf disease . . . killing fungi instantly on contact. The residual mercurous chloride clings to the surfaces on which it is deposited and continuously produces vapor . . . the CALO-CLOR Vapor Shield. This vapor reaches in, under and around every part of the micro-climate-penetrating places on turf grass plants that droplets of ordinary "contact" solutions simply never touch. When mowing and rain remove some of the mercury, the residual quantities effectively replenish the Vapor Shield and its full disease control.

## SELF-REPLENISHING LONGER-LASTING TURF DISEASE CONTROL

#### CALO-CLOR-the Micro-Pulverized Mercurial

CALO-CLOR is now micro-pulverized by an exclusive Mallinckrodt process . . . it mixes faster and more completely in the spray tank and *stays* in suspension. This way, the fungicidal value you put in the tank gets to the turf . . . not wastefully washed down the drain when you clean the tank. *Only* with CALO-CLOR do you get this full, even and longer-lasting protection for your greens.

### GET VAPOR SHIELD PROTEC-TION FOR YOUR GREENS NOW!

CALL YOUR MALLINCKRODT TURF FUNGICIDE DISTRIBU-TOR TODAY.

#### In less than 4 minutes ...

you can see the outstanding difference between micro-pulverized CALO-CLOR and the ordinary type of mercurial fungicide. Both tubes contain the same amount of fungicide, but the ordinary type settles out—in less than 4 minutes. Fungicide settled on the



bottom of your spray tank never gets a chance to work on your greens! CALO-CLOR stays suspended throughout your spraying operations, assures full, even application . . . complete and long-lasting protection for your greens.

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**CALO-CLOR**—This product was the first specific turf fungicide ever developed developed by Mallinckrodt. A powerful mercurial, it controls the most serious brown patch attacks

and is more effective against snow mold than any other fungicidal formulation known. It controls brown patch and dollar spot effectively at levels of 1-2 oz. in 5-10 gal. water per 1000 sq. ft. applied every 7-14 days. Controls snow mold with a single 3 oz. per 1000 sq. ft. application in late fall.

**CALOCURE®**— The mercurial fungicide with the extra margin of safety — even in extremely hot and humid weather. Controls brown patch and dollar spot, protects and



improves color of bent grass. Used every 7-14 days at levels of 1-2 oz. in 5-10 gal. water per 1000 sq. ft.

Your Mallinckrodt Turf Fungicide Distributor is thoroughly grounded in the principles of fungus control. He will be happy to make specific recommendations for your specific problem.



**KROMAD**<sup>®</sup> — The first and foremost broad-spectrum turf fungicide. This combination of ingredients is more effective on a wide range of diseases than any other single fungicide. Controls brown

patch, dollar spot, pink patch, copper spot and leaf blight diseases due to *Helminthosporium* and *Curvularia*. Urea content stimulates growth; iron content produces rich green color. Complete control with 2 oz. minimum in 5-10 gal. water per 1000 sq. ft. every 5-7 days.

**CADMINATE®**— The outstanding cadmium fungicide for control of dollar spot, copper spot and pink patch. Disperses easily in water. One-half to 1 oz. per 5-10 gal.



water effectively treats 1000 sq. ft. when used only once each month.

THIRAM-75% — Controls brown patch, dollar spot and copper spot. Use 3 oz. in 5-10 gal. water per 1000 sq. ft. weekly.

**PMA-10%** — The standard, stable 10% solution of phenylmercuric acetate organic complex. Controls copper spot, snow mold, dollar spot, brown patch and leaf blight diseases due to *Helminthosporium* and *Curvularia*. Use  $\frac{3}{4}-1\frac{1}{2}$  oz. in 5-10 gal. water per 1000 sq. ft. for summer diseases; 3 oz. for snow mold and other winter diseases.

Mallinckrodt

### MALLINCKRODT CHEMICAL WORKS

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has been added to the USGA's Eastern green section staff.

Second annual pro-am for the benefit of the Children's Memorial Hospital will be played at Onwentsia Club, Lake Forest, Ill., on July 2 . . . A total of \$12,000 is being offered in prizes . . . This is \$2,000 more than in 1961 . . . Amateurs who participate in the tournament each have to agree to make a contribution of \$500 to the Hospital fund . . . Dellwood CC, located 45 minutes north of Times Square in New York, has been acquired by its members for \$2.1 million . . . It is the former country estate of Adolph Zukor, the movie mogul . . . Each member paid \$5,000 toward the purchase price . . Dean O. M. Leland, Minneapolis golf writer, died Mar. 30 in Minneapolis . . . Construction has been started on \$600,000 clubhouse at Old Orchard CC, Prospect Heights, Ill. . . . Original clubhouse burned down about a year ago and club operated during 1961 season in temporary quarters.

Art DeBlasio, who as a G. I. finished third in the recent Philippine Open, now is an assistant to John Belluardo at Orchard Hills in Paramus, N. J. . . . Muhlenberg hospital building fund will receive the proceeds from the J. E. McAuliffe Memorial women's tournament that will be played in Plainfield, N. J., June 21-24 ... Glen Eagle GC, Bolton, Ont., an 18hole semi-private club, opening for play this spring . . . Rogue Valley CC, Medford, Ore., recently posted this startling sign: "Golf course closed in May, June and July for re-seeding unless you start replacing your divots!" . . . The report of the death of Frank H. Wilson (March Golfdom, p. 144), former supt. at Charles River CC, Newton, Mass., was greatly exaggerated as Mr. Wilson has pointed out . . . Frank's wife, to whom he had been married for 43 years, died in Feb. in Framingham, Mass. . . . We're sorry that this mixup occurred and extend sympathy to Frank in his loss.

Construction of the two PGA courses in Palm Beach Gardens, Fla., may be breaking all speed records, according to Lou Strong . . . More than \$1.5 million worth of earth moving equipment is being used to build the dual courses . . . Construction also has been started on homes surrounding the layouts . . . Paul Bell, pro at Naples (Fla.) G & Beach Club, reports that 100 apartments are being added at



#### a complete sharpening shop in one machine

Here's an opportunity to save time and gain accuracy in maintaining your lawn mowers. The simplicity of the Modern Sharpener makes it ideal for anyone to operate and turn out perfect jobs.

Modern precision grinding insures uniform contact of reel blades and bed knife over the entire length of the mower. Your mowers are sharpened true to one 1/1000th of an inch. No hand filing is necessary—blades are ground sharp to their extreme edges. The Modern has a combination grinding head that sharpens both the reel and bed knife with mower intact.

If you're sending your mowers out for sharpening, you'll save as much as \$8.00 per reel in some parts of the country. With a Modern, there's no time lost waiting for outside work to be completed. Your lawn maintenance men can keep the mowers sharp between cuttings.

Send the coupon below for complete details on Modern Lawn Mower Sharpeners,



### **AERO-THATCH**

### Model X-61 Power-take-off

#### For Fairways . . . and other large turf areas!



This is the machine that has been specifically designed to help you care for your fine turf areas! The X-61 power-take off model works with your regular equipment... to give fairways and other large grass areas that superb AERO-THATCH conditioning. In one simple operation, you Aerate, Cultivate, reduce thatch and relieve compaction with this extra-ordinary new machine. This is the C-H-I-A\* method of ground control that so many fine golf courses are now using. Get the facts today.

\* Continuous, Horizontal Invert Aerification

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### AERO-THATCH, INC. RAHWAY, NEW JERSEY

the resort and will be ready in time for the Oct. PGA tournament . . . Pocatello (Ida.) CC to hold its first Markham Cup pro-am, Aug. 2-5 . . . Prize money will total \$6,000 according to Nolan Wathen, pro at Pocatello.

The old mansion on the property of new Muttontown G & CC on Long Island is said to lend itself admirably to conversion as a clubhouse . . . Alfred H. Tull, who designed the course, also points out that the former estate on which the layout is being built was a natural for a course . . . "The holes more or less lay there in the land," says Tull . . . Horace W. Smith, Worcester, Pa. and Orchard Park, N. Y. architect, is builidng 9 holes for the Atlantic City Electric Co. in Bensley Point, N. J. . . . He's also putting in a Par 3 at the same location . . . Smith-built course in Woodbury, N. J. has been completed and will be put in play in mid-July . . . Phillip A. Wogan of Eugene F. Wogan & Sons, Inc., Beverly, Mass., has designed and is building a 9-hole addition to Martindale CC, Auburn-Lewiston, Me., . . . He also has designed and will partly construct 9hole Newmeadows GC course in Topsfield, Mass. . . . Latter is first course to be built on Boston's north shore in more than 30 years.

According to Henry Thomas, pro at City Park in New Orleans, his course is getting 600 players a day on weekdays and around 1,000 on Saturdays and Sundays . . Negro muny course in New Orleans is getting such little play that it may be necessary to integrate whites into the course to relieve pressure on other city owned layouts . . . Oakmont CC in Pittsburgh is planning to accommodate crowds totalling 100,000 for the three days of the Open, June 14-16 . . . The fact that Arnold Palmer lives in nearby Latrobe will create great local interest in the USGA event . . . They say that Supt. Lou Scalzo has Oakmont in the best shape it has been in in four or five years.

First USGA Women's Senior Amateur to be played at Manufacturers' G & CC, Oreland, Pa., Oct. 17-19 . . . Fourth hole of the "Saints" course at Port St. Lucie (Fla.) CC, has been dedicated to Harold (Jug) McSpaden who, with Byron Nelson,