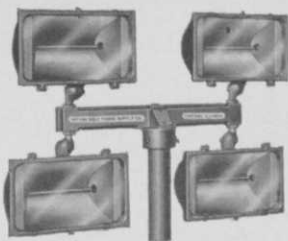


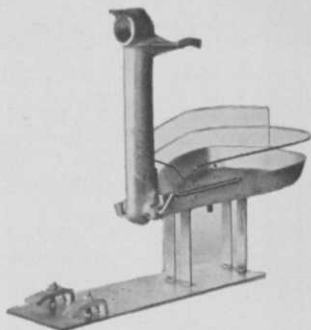
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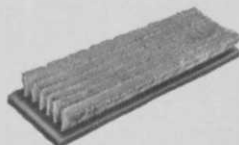
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FOR INSECT CONTROL



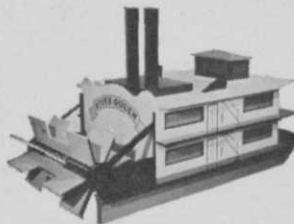
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If your club failed to receive this card or misplaced it — use the form on page 208. Our circulation auditing association requires that the list of persons to whom GOLFDOM is mailed be kept up to date. Without this updated information we are instructed to stop mailing the magazine to old names on our list. To make certain that your 1964 officials and operating heads receive GOLFDOM, please fill in the form and mail it today!

we get a set of specifications or forms, or where can we get information to guide us in drawing up a contract? Where should we send our soil and sand materials for compaction tests?—(Nevada)

A. By all means secure the services of a qualified golf course architect. These men make it their business to prepare specs on the spot, tailor-made to the existing conditions. A blank set of specs (outline) would be of little use without someone who is used to developing specs on which the construction outfits make their bids.

The architect you engage will have access to soil-testing labs so that the mixtures for the putting greens will be porous, yet retentive of moisture and nutrients.

You are to be commended for seeking this information before starting construction. This department is available to you and to the architect of your choice should questions arise.

Q. We can get soil for topdressing from two sources:

	Sand	Silt	Clay
No. 1. Short Haul	45%	35%	20%
No. 2. 30-mile Haul	70%	20%	10%

Which is the best? Is No. 2 worth hauling 30 miles?—(Indiana)

A. By all means drive the 30 miles and get the best soil. No. 1 has excessive quantities of fines that will become severely compacted. No. 2 is nearly perfect as we see the percentage analysis you sent.

Clubmakers apparently experiment with putters as often as players experiment with putting stances. Of 28 items submitted for rulings to the USGA Implements and Ball Committee during 1963, 10 were putters. Non-conformance with the Rules was found in 18 of the 28 cases.

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GOLF PUTTING STAND

Ball is sighted to target spot at distance and putted as if to roll along that straight line to target at the distance practiced. Target is the spot in line with center of tunnel passage and Plumb-Bob ball. Stand adjusts to the longer putting distances with a 3 ft. diameter of circular travel, a 2 ft. for the medium distances and a 1 ft. for the short putts. Tunnel passage is 3½" long 2" wide. The slightest degree off-line contact to target point cannot pass ball without touching tunnel wall because of its Plumb-Bob system. A small mat to side of free-hanging ball equalizes contact height as if ball was lying on grass.

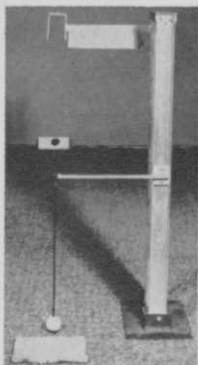
Stand is adjusted for practicing ACCURACY for drives by adding a single section 2'-2" long for the passage of a 5" diameter of circle using the light practice ball instead. A close coil spring 5" long by 1½" wide of mild tension with a rubber sleeve cover replaces cord next to ball for give when missed above.

Stand is 3' high — weighs 7½ lbs.

Price Complete \$11.50 F.O.B.

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Condominiums Prove Popular at Rancho Bernardo CC

Unique, so far as is known, is the condominium development at Rancho Bernardo CC in Escondido, Calif. Designed as retirement homes, condominiums give owners relief from yard work and maintenance.

According to R. P. Alvarado, president-manager of Rancho Bernardo, purchase of a condominium unit gives the buyer full title to his own apartment with rights to mortgage, sell or rent. Areas used in common with other residents, such as gardens and building exteriors, are maintained by the Rancho Bernardo staff and costs are shared.

Offer Great Freedom

Condominium apartments offer residents great freedom to "pick up and go", Alvarado says. When an owner wants to travel all he need do is lock the front door. His home will be maintained and his garden kept green during his absence.

Gathered in several clusters of three apartments each, the Rancho Bernardo condominiums are set in attractive gardens. Nearby is the Rancho Bernardo CC with an 18 hole course, clubhouse, restaurant and hotel facilities. Hobby shops, two swimming pools, an auditorium, lounge, card rooms, a complete shopping center and a modern health clinic also are among the community's conveniences.

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27 More Caddies Earn Michigan Scholarships

According to the annual report of the Golf Association of Michigan, 27 caddies received Standish-Evans scholarships in 1963. They joined 81 youths who have been attending college on caddie grants. All but one of the 108 students attend the University of Michigan or Michigan State.

Bud Stevens of Detroit's Western G & CC won the GAM state amateur in 1963, defeating Glen Johnson of Grosse Ile G & CC for the title. It was the second championship for Stevens. Johnson has won the state trophy five times. Jim Smith of Lakepointe CC won the 1963 Golf Association of Michigan championship by edging Bill Albright of Detroit CC.

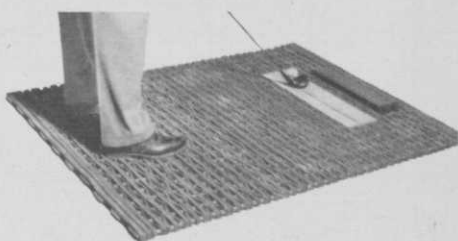
There are 70 clubs in the Michigan association.

PAR GOLF

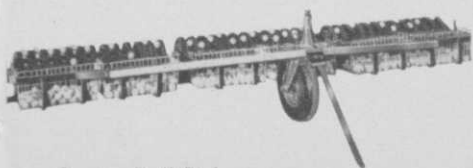
EQUIPMENT FOR GOLF



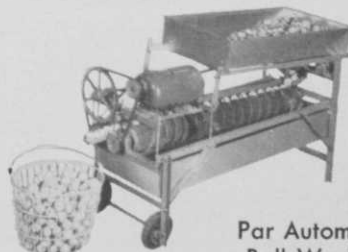
Par Metal Club



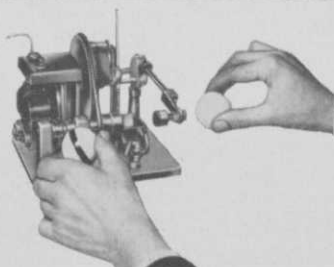
Club Ease Range Mat



Senior Ball Picker



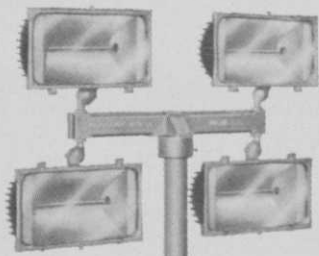
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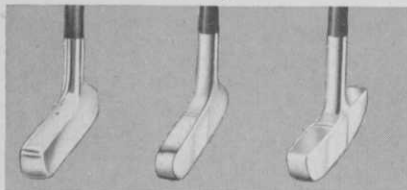
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Hammond Reports Signs of Winterkill Buildup

Late in January, Franklin Hammond, supt. of Colonial CC, Lynnfield, Mass., observed a condition that has him worried and which was viewed with apprehension by a number of supts. at the GCSA conference.

Said Hammond: “Late in January, turf in the Boston area turned green and began growing rapidly. Most of the snow cover had melted. North and east slopes showed vigorous growth and turned dark green. The top inch of soil was free of frost and the turf was lush. If it had been possible to transport greenmowers over the course I would have been inclined to mow.

Weather Pattern Threatening

“The weather pattern does not look good for a gradual hardening of the new growth. The northwest wind will dry the top inch of soil unless we get a good rain or some snow. I’m afraid we’re in for trouble.”

What do other supts. in the northern part of the country think about this situation?

At Philadelphia, supts. of New England courses and those in the central states told of noting conditions similar to those Hammond had seen at his course. Generally, the supts. thought that vigilance in watering early and adequately might prevent another winterkill recurrence such as they had in 1963.

Schmutte Elected Seniors President

Leonard B. Schmutte, pro at Findlay (O.) CC, has been elected president of the Seniors section of the PGA. Schmutte moves up from the first vice-presidency to succeed William Mitchell, pro at Onondaga CC in Fayetteville, N.Y. Mitchell was elected honorary president succeeding the late Horton Smith. Other newly elected PGA senior officers are Cliff Good of Midland (Mich.) CC, first vice-president and Harry I. Moffitt of Heather Downs CC, Toledo, O. second vice-president. Paul E. Erath of Laurel Valley GC in Ligonier, Pa. was re-elected for a third term as secretary-treasurer.

Buyers' Services • P. 207
Classified Ads • P. 204

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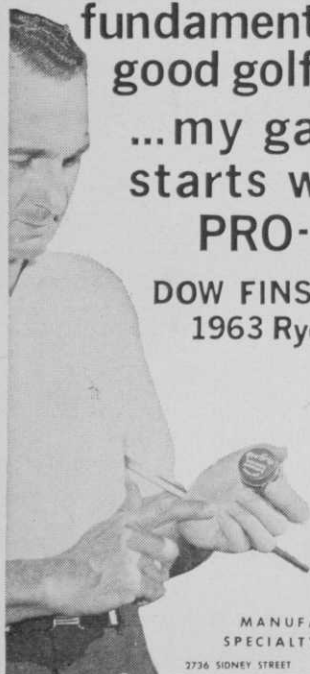
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1963 Ryder Team



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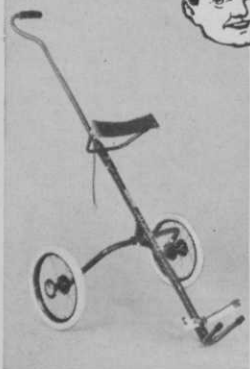
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**Sing Along as You Swing Along
... Make the Grass Grow Greener!**

Cussin' and fussin' on the course is out. This year move your singing talents out of the shower room and on to the fairways. You'll be the pride of your green committee and enjoy playing the finest turf you've ever known.

This suggestion is the result of recent studies conducted in far-off India by way-out scientists! They have found that rice and corn give a surprising 17 per cent greater yield when subjected to the sweet sounds of music. Rice and corn being basically grass, shouldn't course turf respond in a similar manner?

The source for this offbeat information is the monthly bulletin of West Point (Pa.) Products Corp. Trying to explain the 17 per cent increase, the bulletin states: "Sound waves are a source of energy. Therefore we can theorize that this energy effects cell growth. Another theory is that sound energy can increase molecular activity in the soil and keep the plants 'awake'."

If a supt. is having trouble with bluegrass on the fairways, he may suggest that the week's theme be "Down Where the Bluegrass Grows." Or if he's overseeded the greens with rye, he may ask for the sweet serenade of "Coming Through the Rye." Of course, if he gets too corny, he may come up with just that.

'Picture Show' Is A Hit

The picture tour of Philadelphia courses, as presented during the GCSA conference by Marshall Farnham and E. R. (Eb) Steiniger, was top entertainment. After Farnham's opening remarks, Steiniger showed a series of colored slides of holes of Philadelphia district courses. He combined more history, golf information, scenery and architectural and maintenance data in his talk than you'd ordinarily get in a three day tour of courses in the area. The picture feature should set a pattern for regional and future national GCSA conventions. It showed many things supts. can take back and use on their courses.

Golf House Contributions

Thirty-eight individuals, clubs and firms contributed items to the USGA Museum and Library during 1963, enhancing the memorabilia at "Golf House", USGA headquarters. Among the gifts were historic golf balls and scorecards.



Silent as a good caddie...

KOHLER "Quiet" Engines stay on the job

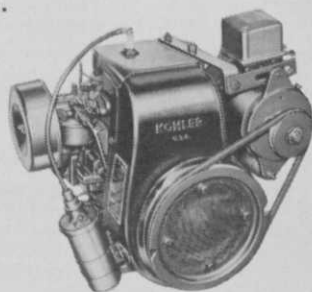
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Kohler "quiet" engines with the big power and economical operation. For more information write Dept. E4-603, Kohler Co., Kohler, Wisconsin.



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Swinging Around Golf

(Continued from page 32)

Annual breakfast put on at this year's GCSA conference by B. Hayman Co., Los Angeles, for Southern California supts. and their wives was highlighted by announcement that the Hayman organization, led by Ray McMicken and the company's director of turf sales, Warren W. McCleary, had won the 1963 award as the nation's top distributor of Jacobsen turf equipment . . . Milwaukee Sewerage Commission Milorganite staff executives and agronomists, with sales manager, Charley Wilson, signing the tab, also were hosts at a breakfast during the GCSA meet . . . Guests were supts. of courses in the Milwaukee area.

California Federation of GCSA has been formed as a consolidation of Northern and Southern GCSA, the Hi Lo, Midway, and Central (Fresno area) organizations of supts. . . . George Lanphear of Thunderbird CC, Palm Springs, was elected president . . . First vp is Cliff Wagner of Del Rio & CC, Modesto; second vp is Wm. Hood, Stockdale CC, Bakersfield; and secretary-treasurer is Dave Mastroleo, Fox Hills CC, Culver City.

GCSA voted against constructing a headquarters office building in Jacksonville Beach, Fla. . . . It's a pretty place but too far off the main line for the permanent headquarters location of a national organization that should be conveniently located for all members and for close, effective publicity contacts, so the GCSA members decided . . . PGA has been handicapped by not having its headquarters centrally located.