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Several Exclusive Features in MacGregor Irons, Woods

durability in all kinds of weather.

MacGregor Tourney woods for 1961 again feature the aluminum "eye" in the 'center of the center' of the target face. Highlight of the 1961 irons is the all rounded sole that means less drag and enables the player to get the ball in the air quickly and cleanly.

Tourney woods are made of selected persim-





mon and hand-finished in a variety of shades. The Pro-Pel Action shaft comes in four flexes. The flex has been placed closer to the clubhead, reducing torque to a minimum and thus increasing accuracy, according to the manufacturer. Grips are of Burgundy leather or composition Fineline.

The irons have the Flame Ceramic black face, and the exclusive "recessed weight" back design is said to raise the focal point to concentrate all weight directly behind the ball. Flex and grip features are the same as those in the woods.

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Hogan Firm Has L.A. Warehouse

The Ben Hogan Co. has opened a warehouse in Los Angeles. Establishment of a west coast warehouse was dictated by the rapid growth of the Ft. Worth firm's business throughout the Pacific Coast states. Complete stock of clubs, balls and accessories are carried in the L. A. warehouse, located at 2945 E. 12th st.

New Ezee-Flow Applicator

Ezee-Flow div. of Avco Distributing Corp., 3428 N. Harlem ave., Chicago 34, is marketing

a new granular type of chemical applicator for herbicides and insecticides. The 'Protecto-Zone' applicator is said to protect in two ways — with application of herbicides that give weed zone protection, and root zone protection from soil insects. Accurate metering for application is one of the features of the applica-



tor. The Ezee-Flow patented dial gives positive control of flow rate and there is said to be no flow-by or leakage. Single or dual hoppers are available for separate or mixed applications.



Pres. Edwin L. Parker (I) of A. G. Spalding & Bros., Mike Turnesa (c) and Al Brosch check what the Spalding firm calls the "marvel of golfing science," the new Executive wood. Its main selling point is a concave rather than convex head.

Full Production of Nitroform Brings Price Reduction in West

According to Agriform Chemical Co., P. O. Box 6, Woodland, Calif., production at the new Nitroform plant in Hercules, Calif., is going full steam ahead turning out Granular and Powder Blue for Western consumers. Due to savings in freight for West Coast users, Nitroform announced a reduced price schedule on Feb. 1.

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Purchase Majority Interest in Chamberlin Metal

Joseph F. Chamberlin (I) demonstrates Ko-lap-si Kart to George Petritz (c) and Don R. Parker who, with Joseph F. Zarish, recently purchased a majority interest in Chamberlin Metal Products Co., Chicago. Chamberlin, who continues as a dir., pioneered the cart along with the Kaddi Kart. Petritz is pres., Zarish, vp and treas., and Parker, vp and general mgr. of the group that bought into the Chamberlin company. Another dir. is Ray Weigel of Kysor Heater Co., Cadillac, Mich. Robert Westphal continues as secy, and plant supt.

Krout Promoted at K & M

H. L. Krout has been named assistant dist. mgr. of Keasbey & Mattison Co's. Ambler pipe dist. Formerly he was sales supervisor of the firm's Northeastern pipe dist. A graduate of Penn State U. and Lansdale Business School, Krout joined K & M in 1948 and has worked in a sales capacity in the pipe dept. since that time.

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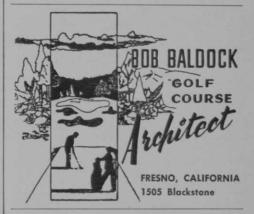
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Lindig Screener Available for Model L Shredder

A new "Model R" rotary screen attachment (photo) is an accessory for the "Model L" soil shredder made by Lindig Manufacturing Co.,



Inc.. Dept. A, 1875 West County Rd. "C", St. Paul, Minn. The Model R makes it possible to combine four jobs, feeding, screening, shredding and loading, into one operation and is invaluable for topdressing and seeding. The screener is mounted on the loading conveyor and driven from the conveyor's head shaft via chain drive and right-angle gear speed reducer. The shredders are made in 25, 40 and 60 cu. yd. per hour units. Specification information can be obtained from Lindig.

Classified Ads • P 173



ROBERT BRUCE HARRIS

Golf Course Architect

MEMBER AMERICAN SOCIETY OF GOLF COURSE ARCHITECTS

664 N.MICHIGAN AVENUE CHIC

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First Flight Promotes Hole-in-One Club

First Flight Co., 99 Tremont st., Chattanooga, Tenn., has been running what it calls a "Million Dollar Hole-in-One Club" in the South, and which will move north when the play starts at the winterbound clubs. The club works like this: Purchase of a First Flight ball entitles the buyer to fill out a Hole-in-One form in the pro shop. If the player is in a twosome, or more, and scores an ace that day with the First Flight ball, he is entitled to \$150 worth of the shop's merchandise. Greens can't be tricked up to make possible cheap holes-in-one, aces must be scored on regulation courses and where there aren't more than three par 3 holes on 9-hole courses, and six on 18-hole courses. Cards must be fully attested and certified. Awards are not offered in any areas where the law prohibits them. Through mid-February, five golfers had won First Flight awards. First Flight, of course, reimburses the pro for any awards that are made.

Available for Clinics

Nello Cammalarie, a Chicago dist, pro for more than a decade, is available for teaching clinics. In the last year or so he has been engaged quite extensively in giving clinics through Illinois, Iowa and Indiana. These consist of about 30 minutes of demonstration and 1½ hours of individual instruction. He can be reached at 842 Ainslie st., Chicago 40, Ill.

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GOLF COURSE ARCHITECT

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Turtle Creek, Pa.

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Suburb of Pittsburgh

Shakespeare Firm Produces New Fiber Glass Shaft

RALPH PLUMMER

GOLF COURSE ARCHITECT

Member, American Society of Golf Course Architects

10330 Kilkenny • Dallas, Texas

Davis 7-3136

A new club shaft, made entirely of fiber glass by a patented tubular process, has been announced by Shakespeare Co., Kalamazoo, Mich.

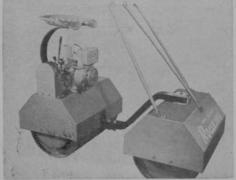


It is known as Wondershaft. Over 501,000 fibers are said to run the length of the shaft, giving a true connection between handle and head. These are bonded with resin under pressure and are oven cured. Different degrees of stiffness are provided to meet individual needs. Color is impregnated. The shafts require no lacquer or varnish and are impervious to corrosive action of densest salt air and high humidity, the manufacturer says.

William C. Fischer, sales service mgr. for Keasbey & Mattison Co., Ambler, Pa., died in Cleveland, O. in Feb. He had been an employee of K & M for 35 years, spending most of his time in Cleveland as mgr. of the office there.

Rowco's Rollking Gives 1,000 Pounds of Rolling Power

Rowco Manufacturing Co., Inc., Keene, N. H., is marketing a new self propelled "tandem type" roller that delivers 1,000 lbs. of rolling



power evenly distributed between two 18-in. diameter x 24-in. rollers. It is powered by a 4-cycle, 2¼ hp Clinton gas engine with forward and reverse gear and travels at 2 to 3.5 mph. Known as the Rollking TD-1000 it can be used for numerous landscaping and property improvement jobs. It also is adapted for hot-top repair work.

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and

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Vermiculite Plays Big Part in Starting Turf on Libby Course

Libby, Mont., with a population of 2,828, has a new 9-hole golf course because many people pitched in and built it. The town depends on the Zonolite Co. and a lumber mill to keep





Vermiculite is poured and spread prior to rototilling at Libby, Mont. course project.

it going. To lengthen its summers, the townspeople decided a course was a necessity. The course is located at the foot of a mountain and nearby is the 4,000 ft. Vermiculite Mountain. The builders learned by doing. For proper irrigation and to conserve water, greens and tees

were liberally conditioned with vermiculite from Zonolite's processing plant in Libby. The lumber firm lent its logging equipment for surfacing, the forestry service helped out on the mapping and an engineer volunteered to design the course. Actually, seeding was started more than two years ago and growth on the fairways has been very encouraging. On the greens the Libby workers mixed one part seed with three parts of fine grade No. 4 vermiculite. The mixture proved to be damp enough for pre-germination, yet free-flowing enough to be applied through a seeder. A high germination rate resulted and the greens turned out so well that the Libby volunteers were sorry they hadn't used the same process in seeding the fairways.

American Mat Develops New Sectional Floor Matting

A new colored vinyl sectional floor matting, highly grease-resistant and completely reversible, has been developed by American Mat Corp. Known as American Counter Step Matting it is ideal for use behind counters and bars and in commercial kitchens. The 6 in. x 2 5/16 in. x 5/16 in. sections being non-porous, the mat is easy to clean. Alternate rows of deep-grooved and corrugated sections are woven on rust-resistant spring steel wire. There are 13 available colors. Write to American Mat, 1802 Adams Street, Toledo 2, O., for information.

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Royer's Paul Bunyan 360 Is Complete Processing Plant

The Paul Bunyan 360, a new shredder made by Royer Foundry & Machine Co., 158 Pringle st., Kingston, Pa., is a complete portable soil



processing plant. It shreds, blends, mixes and aerates materials, rejecting debris, in a single operation. The 9-ft. wide hopper has a shredding capacity of as much as 120 cu. yds. an hour. It can take a charge of 2 cu. yds., steadily moving material to the shredding mechanism. Stones, etc. are piled outside the machine. Descriptive literature can be obtained from W. P. Dickinson, sales mgr., Dept. P.B., at the above address.

Buyers' Service

P 175

New Autocaddie is Product of Two Years of Research

Trimble Osborne Corp. Rochester, N. Y., after two years of research and development is introducing the Autocaddie, a two-man golf car.



Equipped with automatic transmission, the Autocaddie is said to be extremely stable on hills and rough terrain. It is powered with a 7 hp Kohler engine and travels 40-50 holes on two gals. of gas. The engine is specially soundproofed and there are double mufflers. Key-turn starting is combined with a Delco-Remy generator. The Autocaddie's body is constructed of molded fiberglass in front and replaceable steel panels in the rear. Terra-tires are optional.

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Two-tone with saddle stitch and the Ghillie.

shoes. They are known as the Gleneagles Golf-Masters. Among the shoes for the male is a soft two-tone with saddle stitching in brown/aniline, flax grain, all black or all brown and black/white. These styles generally are available for women, too. An original woman's model is the white, washable leather Ghillie with tartan fringed tongue and edging and black Norwegian lace facing. This style also comes in bright red or pastel blue leather.

Cushman Truckster Used in Ball Picking Operation

The municipal driving range in Portland, Ore., has equipped its Cushman 780 Truckster with a

HEAVYWEIGHT MEDIUM MEDIUM HEAVY WET STRENGTH WEIGHT WEIGHT tinted GREEN for WET STRENGTH TAN WHITE identification ECONOSCUFF at NEW low prices ALL THREE SLIPPERS HAVE WATER REPELLENT WAX COATING 25M prs. \$16.20M prs. \$17.00M prs. \$14.75M prs. 16.45M " 10M 14.95M 17.20M 5M 17.20M 15.95M 17.95M 18.00M " 2M 18.75M " 16.50M B. H. JORDAN CO., Inc., 64 E. 8 St., NYC 3



wire cage for picking up balls. The Truckster has a trailer hitch for hauling ball recovery machines, greenmowers and other equipment. The vehicle, capable of carrying a load of 800 lbs.,



also has numerous other uses. Altogether, 11 Trucksters are used by the Portland park system. The Truckster is manufactured by Cushman Motors, Lincoln, Neb., a subsidiary of Outboard Marine Corp.

Grenley Leaves MacGregor for Ad Agency Post

Donald A. Grenley, MacGregor Co. publicity mgr. for the past two years, has joined Hugo Wagenseil and Associates Co., Dayton, O., as publicity-public relations dir. Prior to joining MacGregor, Grenley served as sports dir. and newswriter for WLW-WLWT in Cincinnati. A native of Akron, he attended Kent State University and Northwestern University. He holds a B. S. degree in Radio-Journalism.



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Carry-All Easy to Manipulate

Carry-All Trailers Inc., Island rd. and Eastwick ave., Philadelphia 42, markets lowbed trailers that are made specifically for the turf



and garden industry. There are two models, one with a capacity of 800 lbs. and the other, 1500 lbs. The smaller model is 80-ins. long and empty, weighs only 190 lbs. The larger model is 8 ft. long and weighs 260 lbs. Both are 12 ins. high and can be handled with ease by one man. The trailers have double safety chains, built-in stop, tail and direction lights, removable ramp tailgate and other features.

New Indoor Net Setup Has Outdoor Atmosphere

Product Information Service of E. I. duPont de Nemours & Co., Wilmington, Dela., tells of a

nylon net used on an indoor Golf-o-Tron range that has an attached electronic computer that calculates the distance and direction a ball would have travelled on an actual fairway. Realism is added by fairway photos, located behind the net, that change after each hole is played. There are 9 fairways in the series. The Golf-o-Tron range is the invention of M. R. Speiser of S & M Products Co., Inc., 17 W. 60th st., New York 23. It was tested for three months at a N. J. bowling alley and received wide acclaim.

Etonic's "Diamond Wing Tip" Built for Perfect Fit

The Etonic "Diamond Wing Tip" golf shoe, a product of Charles A. Eaton Co., Brockton, Mass., is crafted over the new Masters last for trim appearance and perfect fit. It has full glove leather lining, cushion innersoles and sewn-in kilties.



available only at pro shops, it comes in black calf or new antique walnut calf.

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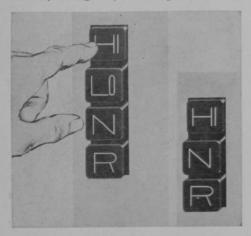
to manufacturer for full details.

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Victor Offers Two Kits for **Acceleration Conversion**

The Victor Electri-Car div., 3900 N. Rockwell st., Chicago 18, is making available two



acceleration conversion kits for automatic control or conventional acceleration in its golf cars. Either can be installed in 11/2 hours using

simple tools. The kits make it possible for fleet owners to standardize their entire fleet, and for owners of '57, '58 or '59 Electri-Cars to update their vehicles. Kit A (on left in photo) converts older models to the new "Touch-N-Go", giving smooth, automatic acceleration to a safety approved speed in just four seconds. Kit C (right) converts 1960 models from fully automatic to conventional acceleration, which is being offered on 1961 models as optional equipment. The latter gives foot-pedal control.

Form New Company for Marketing **Battery Powered Mowers**

Formation of the Lectro Lawnshear Corp., West Point, Pa., has been announced by its pres., Thomas C. Mascaro. Battery powered lawnmowers are being introduced to the consumer market by the firm which also will produce other lawn care products. Built in plants in West Point and Hatboro, Pa., the Lawnshear is available in three models, 18-in. Standard Rotary, 18-in. Deluxe Rotary and 21-in. Reel. Push button starting and quiet operation are features of the machines. All come with battery chargers that operate on ordinary house current.

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