Good for you because it's good for golf



America's Fastest-Selling Golf Bag

> THIS MAKES IT BALANCE

Golfers want comfort, convenience and quality in a golf bag. That's why so many have switched to *Lightweight* Balanced Golf Bag. Hundreds of thousands of golfers are getting more enjoyment from the game because they carry the *lightweight* bag that is full size, doesn't sag or spill clubs, and is balanced U. S. Pat. No. 2364223

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Retail Price STANDARD MODEL \$600 with hood, \$700

• Finest quality duck. Sun-tan or white trimmed in olive green.

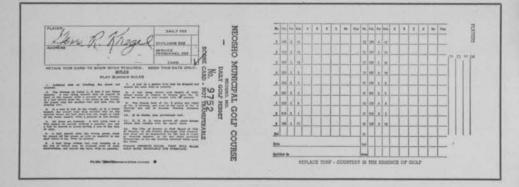
If your distributor cannot supply you immediately, order direct. Dealers' discount 40% off retail list.



BALANCED GOLF BAG, INC., North and Noble Streets, Chicago 22, Ill.

March, 1948

91



Two-Way Course Record Kept By This Score Card

A public fee golf course isn't only an institution created by man for his sport and pleasure. Like any other business, it has its problems of keeping outgo below income, improving efficiency of operations and records to cut down costs and give better service to customers.

The customer-player has contact with the course first of all in the office where he pays his fee and picks up his scorecard. This represents an important point from the standpoint of record-keeping and operating costs. It is obviously desirable to process the customers through the office as fast as possible to avoid waiting lines, and at the same time produce records that will give a total of receipts and other information as needed daily.

The Neosho (Mo.) municipal golf course uses a portable, lightweight autographic register for producing a combination player's receipt and score card. The machine provides a means of receipting for the fee paid, giving a permanent record for the office, and issuing a scorecard for the player all in one single operation. To accomplish this, a continuous strip made up of two sheets feeds through the register. The strip is interleaved with a carbon roll which provides fresh carbon paper as needed. Walter Coleman, manager of the course, considers the system ideal for a small public course altho he feels it will work equally well on any size pay-as-you-play course.

Formerly, Coleman registered players in a large ledger book which proved cumbersome and insufficient for his purposes. Now receipts are quickly made up, copies of which are quickly totaled at the end of the day and can be stored in a very small space for future reference.

The register is a "Featherweight" model provided by Uarco Incorporated of Chicago, manufacturer of business forms and systems, who also supply the forms. As each player pays his fee, his name and address is written quickly on the combination score card-receipt form which appears face-up in writing position in the register. A press of the button on the register ejects the two sheets slightly permitting the cashier to pull them out entirely and separate them from the succeeding forms by tearing the perforation.

Keeps Score on Players

The original sheet, printed on light weight paper, is retained in a slot underneath the register and serves as the office record. The duplicate, constructed of heavy cardboard, is given the player. It contains the same printed face as the original with the addition of a scorecard on the reverse side. Both sheets have identical numbers stamped for identification. The numbering system is consecutive and makes it simple to compute the total amount of money that should be accounted for at the end of the day. By starting the season with card number one, the manager is able to determine the accumulated totals of players throughout the season from day to day, merely by noting the last numbered card in the register at the time. The cards may be dated at the time the fee is paid either by writing in the date or affix-

ing it with a stamp. During the 1947 season, Coleman used slightly over 6000 forms. From the addresses of the players entered on the forms, a valuable list of known golfers in the surrounding community could be available for mailing announcements of special interest.

Give Club Manufacturing Figures For 1947—Inventory Low Figures submitted by the National Assn.

Figures submitted by the National Assn. of Golf Club Manufacturers and compiled by The Athletic Institute indicate that there were 3,215,482 golf clubs manufactured between Nov. 1, 1946 and Oct. 31, 1947. Of this total, 2,323,615 were irons and 891,867 were woods.

Additional figures in the report reveal that the inventory on Oct. 31, 1947 showed only 298,744 clubs in stock. This total was divided between 225,035 irons and 73,709 woods.

In view of this inventory, as well as the present rate of production, it is apparent that there will be no surplus this year.

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Get extra profit and trade-up customers for the rest of your stock by offering these top quality head covers. Selected fine leathers, rich in contrasting colors, handsomely crafted and packaged. Here is BUY-APPEAL and *at least* Two Dollars for you in every set! Get started with a season's supply now ...write for Special Service.

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If you call on pro's — a few territories are open



U. OF MASSACHUSETTS 18th GREENKEEPERS' CLASS

Oldest greenkeeping school is University of Massachusetts' 18th annual winter school, established by Prof. L. S. Dickinson at Amherst in 1927. This year's school was opened Jan. 5 and will close March 12, with combination graduation exercises and turf conference.

More than 400 have attended this school. This year 25 are attending; the maximum number that could be accepted from 60 applicants.

The school is under the direction of Profs. L. S. Dickinson and Geoffrey Cornish of the U. of Mass. Agronomy Dept., Section of Agrostology. They are assisted by members of the staffs of the schools of agriculture, science, horticulture and engineering. Experienced turf experts visit the classes to address students.

The ten week school has classes in botany, entomology, soils, fertilizers, water systems and drainage. Weekly forums present experts in various fields.

USGA New Handicap Booklets Available

A handicap system for men has been adopted by the USGA after several years of study by the Association's Handicap committee. Copies of the new system in booklet form are available from the USGA office, 73 East 57th St., New York 2, N.Y.

The new system is designed to produce "basic" type handicaps reflecting a player's inherent ability to play the game, as distinguished from current handicaps that vary with the current state of the player's game. The new system is designed for nation-wide use.

The starting point of the USGA system is a method of course rating, under which holes are rated fractionally rather than in whole numbers as is done in fixing par. Thus, for example, a hole with a par of 4 may have a rating of 3.7 or 4.3. The total of the hole ratings becomes the course rating. This course rating procedure was

Those in picture above:

Front row—L to R.—W. A. Dowie, Tuxedo (N.Y.) Club; J. Schneiderman, Mt. Pleasant CC, Leicester, Mass.; G. H. Reynolds, Miami Valley GC, Dayton, O.; F. Pinto, New Rochelle, N.Y.; R. S. Verbeck, Director of Short Courses; C. L. Reeves, Drumlins GC, Syracuse, N.Y.; E. M. Guy, Assabet CC, Stowe, Mass.; B. Dzeidzie, Pequabuck CC, Bristol, Conn.; M. Gruening, Wausau CC, Schofield, Wis.

Gruening, Wausau CC, Schoffeld, Wis. Second row from back—L to R—Albert E. Sanders, Juniper Hill GC, Northboro, Mass.; Norman Mucciarone, Franklin CC, Franklin, Mass.; B. J. Connolly, Pequabuck CC, Bristol, Conn.; J. F. Bulman, Milton Hoosic Club, Dedham, Mass.; Robert Mucciarone, Franklin CC, Franklin, Mass.; H. D. Darling, Juniper Hill CC, Northboro, Mass.; J. C. McGrath, Duxbury Yacht Club GC; R. H. Capstick, Minute Man GC, Lexington, Mass.; Prof. G. Russell, Thide your from back—L to R. L. V. St. Pierce

Minute Man GC, Lexington, Mass.; Prof. G. Russell. Third row from back—L to R.—L. V. St. Pierre, Tatnunck CC, Woreester, Mass.; P. L. Clark, Meadowbrook Island Club, Reading, Mass.; R. Donohue, Glens Falls (N.Y.) CC, Glens Falls; R. J. May, A. D. Peterson & Co. Branch, Schenectady, N.Y.; W. A. Livingston, Manchester CC, South Manchester, Conn.; G. F. Welsch, Raccoon Golf Club, Monrea, Penna.; T. J. Coyne, Chicago Heights, Ill.; J. J. Ryan, Lido CC, Longbeach, N.Y.
Pack arm. J. to P. Brote C. P. Physican J. 5

Back row-L to R-Profs. C. R. Blackman, L. S. Dickinson, H. N. Stapleton, G. Cornish.

originally developed by the Massachusetts GA and has now been adopted by the USGA. With the course rating determined, a player is handicapped on his ten best scores for a year or a full season, by means of tables embodied in the USGA system.

The USGA recommends the golf handicap system for use by clubs and district and sectional golf associations. The USGA will not rate courses or compute handicaps, but it recommends that all courses within a given section be rated by a committee representing the district or sectional association. Individual clubs are advised not to rate their own courses. In districts where there are no established golf associations having jurisdiction, clubs are advised to arrange for cooperative rating with other courses in their districts in order that the course rating principles may be applied uniformly.

The USGA handicap system was produced finally by the USGA's 1947 Handicap Committee comprising Richard S.

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Send \$39.00 for 2 KO-LAP-SI KARTS to be sent express prepaid as a trial order. Your profit \$20.00 net. Six Kolapsi Karts \$106.20, F. O. B. Chicago.

Immediate Delivery. PATENTS PENDING

KO-LAP-SI KART is a quality Kart. Quality, not only in materials used, but quality in performance. It has greater eye appeal. And it looks like double value. It is double value.

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I. DROP THE HANDLE-It folds and locks.

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- STAND ERECT EITHER CLOSED OR OPEN. Can
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- Large 14 inch wheels. Special sealed ball bearings, factory grease packed. Easiest rolling Kart ever made.
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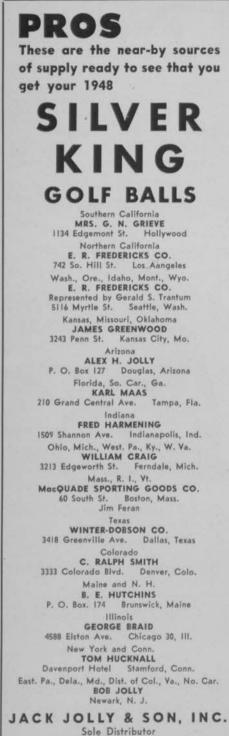
The most sought after Kart in America. IM-MEDIATE DELIVERY.

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Tufts, Pinehurst, N.C., as chmn.; William O. Blaney, Boston; Richard S. Francis, Philadelphia; Isaac B. Grainger, New York; the late Charles G. Lathrop, Pasadena, Calif., and Thomas G. McMahon, Chicago.

ADVANCES IN TURF

(Continued from page 50)

original condition. If turf is very poor, and soil conditions bad, sod may be stripped. Layers existing can be rotary tilled and soil conditioning materials worked in.

Unique Fairway Watering

"How We Water Fairways at Denver CC" was described by Jim Haines, the club's supt. The system used at the Denver CC is unique as the areas are flooded instead of using sprinklers. This method is used as a large quantity of water is needed. It was first put in use in the early 1900s. Water is pumped from wells and a creek, to a high point and flows by gravity thru 12" pipes then oil treated canvas tubes 10" in dia. 30 ft. long. These are fastened together by hand. 2400 GPM is the flow, working 12 hours 6 nights a week in cycle. Admittedly there is a great waste of water to wet high spots. Where gravity flow is available and pumping costs low, the meethod is economically sound; although Haines said he is recommending a changeover to a modern, large capacity underground sprinkling system.

Tool and Maintenance Buildings was the convention subject of Ray Gerber, supt. Glen Oak CC, Glen Ellyn, Ill. Construction starts with known requirements for needs based on experience. Architecture should conform with existing nearby buildings. The site is important for accessibility and utilities available. Work should start with respect to weather conditions. Inspections should be made with the architect and contractor during construction, and final inspection approved prior to completion of contract.

Gerber said the Glen Oak maintenance building contains a 9 ft. x 12 ft. supt. office, a 9 ft. x 12 ft. locker room with toilet, wash basins, shower, lockers, tables and chairs. It has a large work room 28 ft. x 34 ft., with concrete floor and center drain, metal work benches, and a ceiling I beam for a hoist.

A 12 ft. x 28 ft. plumbing room keeps sprinklers, hose, pipes and fittings all in one place. A 12 ft. x 14 ft. room holds small tools used on the grounds work, and a 12 ft. x 14 ft. room is for small mowers. A separate section is being built to house tractors and gang mowers. Overhead doors, cinder block construction, practically fireproof are features of the buildings. Insurance premiums are kept low, An oil burning, thermostat controlled America's finest sportswear now is available for your **Pro Shop merchandising** "Foremost Nationally Advertised Brands"

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Finest Kid Mohair and Zephyr Wool Sweaters and Sportswear FOR THE GOLF PROFESSIONAL

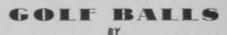
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TWO-TONED BEAUTY in GOLF JACKETS ... New Featherweight Reversible IN WATER REPELLENT POPLIN

Smartly styled for free-swinging comfort and all-weather protection. Two color combinations-Tan-Forest Green, Tan-Cream. Priced to retail about \$13 to \$16.



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March 6 - 10

CLOSEST MIAMI HOTEL TO

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C. A. Crawford, Manager

on time on cold mornings. The present building is 46 ft. square, but when the addition for tractors is included the size will be 46 ft. x 86 ft. Efficiency obtained from a properly designed building is worth the money to a club. Regardless of cost, be sure of having a good, solid foundation, Gerber stressed.

heater overhead encourages the men to be

Flowers at the Club

"Flowers, a Part of the Greenkeeping Superintendent's Job" was the subject handled by Warren Bidwell, Cincinnati (O.) CC. Bidwell said the greenhouse and cold frames are part of the maintenance building at his club and growing flowers is part of the maintenance program. It keeps crewmen busy through the winter, avoids layoffs and keeps men so they are available for work through the maintenance season. Plants are grown for both inside and outside the clubhouse.

During maintenance season in inclement weather the men work in the greenhouse. Leftover plants are given to the men to take home, which they do with pride.

In cooperation with the clubhouse manager, cut and potted flowers are grown for table, lounge, and ladies locker room. Part of the raising cost is carried on the clubhouse budget. Numerous natural color slides were shown of varieties used in bedding, window box, border and mass plantings. A few dollars spent for plants and seeds plus labor cost show big returns at a golf club. Bidwell observed that the ladies and most hard-boiled business tycoons appreciate the beauty and effect of flowers and plantings in and around the clubhouse and grounds. The superintendent who is responsible gets good recognition for his efforts besides the personal satisfaction and enjoyment of raising and arranging flowers.

Wolfram Speaks on Drainage

Clarence Wolfram from Maple Lane GC, Warren, Mich., in talking on "Drainage-How and Why" said three good reasons for drainage are to promote good turf development, make it more pleasant to play the game more often, and prevent revenue loss from reduced play patronage. One club in the Detroit district failed because of poor course drainage. Drainage costs make a sizeable figure nationally. Wolfram remarked: "At my club we have spent an average of \$2,000 yearly for the past 17 years for drainage. Before we installed our system we used to have areas up to three acres that would be subject to floods. With the original small tile 4" in diameter, it used to take 4 to 6 days for the water to drain off.

"Fortunately I have had the same green committee chairman for the past 17 years. We have worked along with the problem

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TWINSPORT is built for the golfer who wants perfection in a golf bag carrier—priced where he can afford to have the best! It's tough! TWINSPORT is really engineered designed to carry outboard motors weighing over 100 pounds—yet it alone weighs only about 18 pounds! Think what this strength and lightness means in a golf bag carrier! All the punishment in golfdom won't harm this caddy. It rolls softly and easily on its 10-inch, semi-pneumatic tired wheels—leaves turf unharmed. Balances any weight of bag perfectly

over the axle and trails without effort over any terrain.

Beautifully finished in Sherwood green and red baked enamel finish—all exposed working parts cadmium plated—TWINSPORT will be a best seller in your pro shop, or a dependable rental carrier for the club. YOU ARE GUARANTEED PERFORMANCE. We will replace TWINSPORT immediately if one fails to give satisfactory service. That's how good we think it is!

> Golf carrier retails at only \$17.50, with top discounts to pro shops and recognized clubs. Order today for early delivery.



Even when collapsed, TWINSPORT rolls easily over narrow paths and footbridges. Fits with bag or motor attached into the trunk of your car.

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As an outboard motor carrier, TWIN-SPORT fits any make of motor. Motor mounting quickly detaches so carrier can be used for golf. Motor mounting attachment, \$2.45 extra. 00

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March, 1948

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Wash facilities, to be complete, require some form of shower convenience. Modern schools, clubs, gymnasia, recognizing this need, have selected Bradley Multi-Stall Showers for maximum sanitation, economy of operation and long-life durability.

One Bradley 5-Stall Shower unit requires only 3 plumbing connections in comparison to 15 needed for 5 "singlestall" units. This simplified installation plus complete absence of corners and dirt-collecting pockets cuts cost of upkeep and janitor detail. Savings are also realized through lower hot water costs made possible by reduced water consumption.

Bradley 5- or 3-Stall Shower units can be installed quickly and easily on any kind of floor including wood... BRADLEY WASHFOUNTAIN CO., 2359 W. Michigan St., Milwaukee 1, Wis.

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and can now realize the benefits from our drainage work. One of the main features of our system is based on 51 manholes, mostly in the rough, and a few in the fairways. A flat, 11 gauge sheet iron cover is on catch basins made of brick, 4 ft. wide at the bottom tapering to $2\frac{1}{2}$ ft. at the top, placed in graded hollows. A foot above the bottom we have our tile inlets and outlets. The space below serves as a settling well for sand. This helps keep lines clear. However we have to resort to cleaning rods to remove tree roots, some being 40 ft. long.

"The catch basins placed 300 ft. apart, and extra ones at sharp bends permit keeping tile lines clear. A man can get down and work through jointed rods having special hooks, spade and cutters on the rods. We now use tile 5, 6 and 8 inches in diameter.

"Wherever possible our laterals are joined to make a loop to doubly insure the lines working. We use 6, 8 and 9 in. bell traps at intermediate points, the size depending on area drained. A 4 in. tee joins a 4 in. vertical tile to bell traps placed 1 in. below grade. A cone-shaped sheet iron form is placed in the ground, and concrete poured around it, outside. The cone tapering upwards prevents it being frostheaved. Too many of these may reduce the effectiveness of the underground lines from draining wider areas. Air getting into tile



Golfdom