

**Good for you  
because  
it's good for golf**

*Lightweight*  
**BALANCED  
GOLF BAG**



America's  
Fastest-Selling  
Golf Bag

THIS  
MAKES IT  
BALANCE

U. S. Pat. No. 2304223

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

for easy carrying... Balanced Golf Bag.

More popular than ever, now available with or without hood, and backed by national advertising, Balanced Golf Bag is far ahead of the field as America's fastest selling golf bag. Be sure you have stock on hand—order today from your distributor or jobber.

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



Retail Price  
**STANDARD  
MODEL**  
\$600

with hood, \$700

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



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

March, 1948



# PROZOWN *HED-MITS*<sub>G</sub>

**THE FINEST  
HEAD COVERS  
MONEY CAN BUY**

**Sold on a "pro-only" basis  
that brings you Extra  
Dollars and Extra Sales  
from Pleased Customers**



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.

## *Bonded Brands*

**Manufacturers of Sports and Leather Goods**

**629 W. Washington St. — Chicago 6**

***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.

### 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. Dzeidzic, Pequabuck CC, Bristol, Conn.; M. Gruening, Waussu CC, Schofield, Wis.

Second row from back—L to R—Albert E. Sanders, Juniper Hill GC, Northboro, Mass.; Norman Muciarone, Franklin CC, Franklin, Mass.; B. J. Connolly, Pequabuck CC, Bristol, Conn.; J. F. Bulman, Milton Hoosic Club, Dedham, Mass.; Robert Muciarone, Franklin CC, Franklin, Mass.; H. D. Darling, Juniper Hill CC, Northboro, Mass.; J. O. McGrath, Duxbury Yacht Club GC; R. H. Capstick, Minute Man GC, Lexington, Mass.; Prof. G. Russell.

Third row from back—L to R—L. V. St. Pierre, Tatnuck CC, Worcester, 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. Welsh, Raccoon Golf Club, Monaca, Penna.; T. J. Coyne, Chicago Heights, Ill.; J. J. Ryan, Lido CC, Longbeach, N.Y.

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

## 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

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.

# KADDIE KART PRODUCTS

MANUFACTURED BY KADDIE KART MFG. CO.

AND ITS AFFILIATED COMPANIES

GOLF CART SUPPLY SERVICE and CHAMBERLIN METAL PRODUCTS

1466 W. MADISON ST.

SECOND FLOOR

CHICAGO 7, ILL.



—PATENTED—  
**Kaddie Kart**

**SELL TO PLAYERS**

**THE RENTAL KART**



**RETAIL \$29.50  
PRICE**

**SPECIAL OFFER TO  
PROS AND CLUB  
BUYERS**

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.

## **AUTOMATIC GOLF CART THE HANDLE DOES THE WORK**

1. DROP THE HANDLE—It folds and locks.
2. LIFT THE HANDLE—It unfolds and locks.
3. STAND ERECT EITHER CLOSED OR OPEN. Can be stored where space is valuable in Pro shops, closets, etc.
4. Large 14 inch wheels. Special sealed ball bearings, factory grease packed. Easiest rolling Kart ever made.
5. Compensated shock absorbing, floating wheel assembly, and Flexible Body Torsion—eliminates jars and jolts.



**BUY  
DIRECT  
FROM  
FACTORY**

**NO  
MIDDLE  
MAN**

The most sought after Kart in America. IMMEDIATE DELIVERY.

Kaddie Kart is the sign of quality and distinction. It has large 14 inch wheels, ball bearings, single natural position handle. Demountable axle, handle and frame.

Two axle widths; 22½" and 28½"

**NEW LOW PRICES — ORDER NOW**

## **GOLF CART SUPPLY — CHAMBERLIN METAL PRODUCTS**

1466 W. Madison Street, 2nd floor, Chicago 7, Illinois

Gentlemen:

Please ship \_\_\_\_\_ Kolapsi Karts. Enclose \$\_\_\_\_\_. Please send information and prices about

Kaddie Kart for rental or  Kolapsi Karts for resale.

Name \_\_\_\_\_ Club \_\_\_\_\_

Address \_\_\_\_\_ Town \_\_\_\_\_ State \_\_\_\_\_

Remarks \_\_\_\_\_

# PROS

These are the near-by sources  
of supply ready to see that you  
get your 1948

## SILVER KING GOLF BALLS

Southern California

**MRS. G. N. GRIEVE**

1134 Edgemont St. Hollywood

Northern California

**E. R. FREDERICKS CO.**

742 So. Hill St. Los Angeles

Wash., Ore., Idaho, Mont., Wyo.

**E. R. FREDERICKS CO.**

Represented by Gerald S. Trantum

5116 Myrtle St. Seattle, Wash.

Kansas, Missouri, Oklahoma

**JAMES GREENWOOD**

3243 Penn St. Kansas City, Mo.

Arizona

**ALEX H. JOLLY**

P. O. Box 127 Douglas, Arizona

Florida, So. Car., Ga.

**KARL MAAS**

210 Grand Central Ave. Tampa, Fla.

Indiana

**FRED HARMENING**

1509 Shannon Ave. Indianapolis, Ind.

Ohio, Mich., West. Pa., Ky., W. Va.

**WILLIAM CRAIG**

3213 Edgeworth St. Ferndale, Mich.

Mass., R. I., Vt.

**MacQUADE SPORTING GOODS CO.**

60 South St. Boston, Mass.

Jim Feran

Texas

**WINTER-DOBSON CO.**

3418 Greenville Ave. Dallas, Texas

Colorado

**C. RALPH SMITH**

3333 Colorado Blvd. Denver, Colo.

Maine and N. H.

**B. E. HUTCHINS**

P. O. Box. 174 Brunswick, Maine

Illinois

**GEORGE BRAID**

4588 Elston Ave. Chicago 30, Ill.

New York and Conn.

**TOM HUCKNALL**

Davenport Hotel Stamford, Conn.

East. Pa., Dela., Md., Dist. of Col., Va., No. Car.

**BOB JOLLY**

Newark, N. J.

**JACK JOLLY & SON, INC.**

Sole Distributor

827 Broadway, Newark 4, N. J.

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 method is economically sound; although Haines said he is recommending a change-over 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"

## Spur

FOUR-IN-HANDS • BOWS • BATS  
SPORTSWEAR • BELTS • SUSPENDERS  
GARTERS • BILLFOLDS • ARMBANDS  
MUFFLERS

## Rialto

FINE  
SHIRTS  
FOR MEN

#5009. Fine White Broadcloth Shirts,  
made with soft built-up collars (stays). **\$5.50**  
#x141. Collar-button-down White Ox-  
ford Shirts. **\$5.00**

May be ordered from stock at all times  
RE-ORDER PADS AVAILABLE UPON REQUEST



## "WELGRUME"

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

## GOLF BAGS

DOUBLE EAGLE BRAND  
The Best in Golf

Manufactured exclusively for the golf profes-  
sional by an experienced specialist.



## The Scoggins Golfer SPORTS HEADWEAR

Hats & Caps for Golf and Tennis  
FEATURING  
ADJUSTABLE HEAD SIZES

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.

*The House of Featherweight Rainwear*



SCOGGINS

## LUG-GOLFER SHOES

A new idea in comfort, confidence and convenience  
your players will enthuse over. Popular priced, in  
all sizes for men and women.

SOLD IN PRO SHOPS ONLY

## GOLF BALLS

BY  
CAMPBELL...  
OF CANADA

DESIGNED FOR DISTANCE

Sold thru Professionals only.

Visit our display  
room on the 7th fairway  
at your P.G.A. Club  
in Dunedin, Florida.

Represented by

*Howard Scoggins*  
GOLF COMPANY

DUNEDIN, FLA.

"I'M ALL OVER THE MAP AT ONCE!"...  
**PRO-SPECIAL "PLUS" GOLF BALL**

FEEL! CLICK! DISTANCE!  
TRUE PUTTING!  
A REAL CHAMPION!

You'll smile when you play the Pro-Special "Plus!"  
—G.K. Horning

**PLAY THE BALL THAT'S FULL of Energy!**

**RED GREEN** for championship and tournament play. For greater durability—and distance too. PRO-GOLF TO ECONOMY BALL.

"PRO-MADE" WOODS & IRONS, GLOVES, CAPS, HATS, SOCKS, BAGS, TEES & GOLF SHOES

**PRO-GOLF SALES CO., FOND DU LAC, WIS.**

ASK YOUR PRO! WE HAVE THEM FOR YOU!

heater overhead encourages the men to be 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.

#### 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

## MIAMI



# THE VENETIAN

BISCAYNE BAY AT VENETIAN WAY

A distinguished residential hotel, strategically located on through routes to Greater Miami's golf courses.

Also convenient to beaches, shopping districts and evening entertainment.

Reservations Suggested for  
**INTERNATIONAL FOUR-BALL**  
March 6 - 10

CLOSEST MIAMI HOTEL TO  
BAY AND OCEAN BEACHES

C. A. Crawford, Manager





# Twin Sport

## AMERICA'S STURDIEST CARRIER

TWINSPOORT 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! TWINSPOORT 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—TWINSPOORT will be a best seller in your pro shop, or a dependable rental carrier for the club. **YOU ARE GUARANTEED PERFORMANCE.** We will replace TWINSPOORT 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.*



### ◀ COMPACT

Even when collapsed, TWINSPOORT rolls easily over narrow paths and foot-bridges. Fits with bag or motor attached into the trunk of your car.

### OUTBOARD CARRIER ▶

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



# BOYD, INC.

711 FOURTH STREET  
Phone JOrdan 4-6127  
ROYAL OAK, MICHIGAN

## SANITATION + ECONOMY



Wash facilities, to be complete, require some form of shower convenience. Modern schools, clubs, gymnasiums, 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 "single-stall" 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.

Distributed Through Plumbing Wholesalers  
Send today for new illustrated Catalog 4701.

**BRADLEY**  
*multi-stall showers*

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 2½ 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 frost-heaved. Too many of these may reduce the effectiveness of the underground lines from draining wider areas. Air getting into tile

**ELIMINATE THE DANGER OF SCALDING IN SHOWER BATHS**



**STOP unexpected changes in the water temperature**

**INSTALL THE SAFEST SHOWER MIXERS MADE**

Get the best insurance you can buy for safe, comfortable showers—install POWERS Thermostatic Shower Mixers. They hold the shower constantly at whatever temperature the bather selects. Prevent SCALDING. Speed up bathing. Economize on hot and cold water. Phone or Write our nearest office for Circular H547.

**THE POWERS REGULATOR CO.**  
2799 Greenview Ave.  
Chicago 14, Ill.  
Offices in 47 Cities 470



**POWERS SAFETY SHOWER MIXERS**