



Renovates, removes thatch, sweeps and flail mows in one operation

The Ryan GROUNDS GROOMER attaches to a tractor equipped with a 3-point hitch and PTO. The operator can adjust blade height or depth, as well as empty the 5-cubic-yard hopper without leaving the tractor seat.

The hopper has a double steel door. At the top of the hopper is a wire screen to prevent stones, etc., from being thrown out.

Its 5-foot-swath reel is equipped with four rows of combination mowing and slicing blades. The reel can also be easily changed to all mowing blades, making it a "flail" mower.

Blade cutting ranges are from 2'' into the ground for vertical slicing – to 3'' above ground for rough mowing. All blades are "free-swinging" and rotate in reverse. This design creates air turbulence which blows leaves, thatch, clippings, etc., into the hopper.





The GROUNDS GROOMER picks up thatch, clippings and debris in a 5-foot path.



The operator easily empties the 5-cubic-yard hopper from the tractor seat.



2055 WHITE BEAR AVENUE, ST. PAUL, MINNESOTA 55109 Manufacturers of the world's finest turf-care equipment

For more information circle number 264 on card



FOR PEOPLE WHO HAVE TO BE SOLD-

Its smoother ride you'll discover immediately—its more economical operation will be apparent in a few hours—its rugged durability you'll begin to appreciate in seasons to come. Whatever you most desire in a golf car or runabout you'll find it in the Walker Jato Executive for '67.

Get a demonstration now and see why there's no better buy for the individual, nor investment or lease program for the club than this handsome, all-steel value leader.



- (1) Genuine Monroe shock absorber floats you across the course.
- (2) Direct Drive simplicity eliminates troublesome belts, chains and noise!
- (3) You can lift entire battery pack out for exchange. Time saver for the club or fleet owner.



| Some choice Dealerships available. Ask about Your Exceptional Op portunity NOW | Jato Manufacturing, Inc. Clay Center, Kansas 67432 |
|---|---|
| | describing the Jato Golf Car check one of the following: |
| | Club Pro Dealership |
| NAME | |
| ADDRESS | |
| | |

For more information circle number 267 on card

New products

Continued from page 60



Purdy Steak Corporation offers a new frozen dressing, seasoned and available in exact portions of three and four ounces. It adds variety to menus in just a few minutes.

For more information circle number 110 on card

Borden Chemical Company has developed a new broad control insect spray with systemic insecticide, Nutro BC spray. The new spray contains Meta-Systox-R, to control insect pests on roses, flowers, shrubs, shade and ornamental trees. It is packaged in an eight ounce size for \$2.95.

For more information circle number 111 on card



Wonder Trussless Building, Inc. has a new Wonder Shade shelter that is available in any desired length. The double corrugated, arched panels are assembled on the site with standard nuts and bolts. The galvanized arched structure is supported by tubular steel columns.

For more information circle number 112 on card

Brighton By-Products Company, Inc. manufactures Uraplex for iron-anemic turf. Uraplex is compatible with fungicides and differs substantially from chelated or ferrous materials.

For more information circle number 113 on card

Rain Bird Sprinkler Manufacturing Corp. introduced a new moisture sensing device that will tell an automatic sprinkler controller when water is needed in the soil. This device is called the Irrometer.

For more information circle number 114 on card

Now! Litter-Caddies[®] Come In Green, Too

We've sold thousands of white ones already. Now available in green, too (grassy green, very tasteful; subtle.) Made for tees . . . they won't tip or blow over. Slow to fill, easy to empty and move. Mighty easy on the eyes. And all-metal-easy to keep neat and new looking for years.



Speaking of golf shafts!

UE TEMP

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TEMPE

THERE'S more talk about golf shafts these days than at any time since True Temper first introduced the famous Step Down[®] steel shaft. Main reason, of course, is the coming of the aluminum shaft.

Not that the aluminum shaft is any news to us. Recent development of new aluminum alloys for aircraft and space programs has made it possible for True Temper engineers to culminate more than 20 years of aluminum shaft research with quantity production of aluminum shafts which meet our high standards for steel shafts. And as the club makers and the pros know — those are mighty high standards.

A True Temper steel shaft answers the club designer's needs for a club that hits true, hits far with the proper flexibility control, the proper feel.

Nor are we resting on our medal score. Using the new Mar-Aging stainless steel alloy (Almar[®] 362 — an aerospace product of Allegheny Ludlum) True Temper is developing a stainless steel shaft with such superior corrosion resistance it can almost be called a "lifetime" shaft.

In all this persistent striving to support the club maker's effort to help you play better golf, True Temper makes use of the most advanced research and engineering tools and techniques.

These include the new True Temper Golf Club Testing Device (lower left) which exactly reproduces the classic pro-golfer's swing, time after time, allowing completely scientific analysis of shaft performance.

> What should you know about golf shafts? Without sounding too much like a hole-in-one golfer — let's just say this: Whatever material your club shafts are made of — if they're made by True Temper, they're the finest modern science can develop and modern production engineering can turn out.

It's always a good idea to ask for clubs with shafts by...



Leading Maker of Golf Shatts for More Than 40 Years

For more information circle number 142 on card

Now you can effectively control





WITH HUB STATES ECONOMICAL CYTHION FOGGING CONCENTRATE

Hub States CYTHION FOGGING CONCENTRATE is unequalled for effectiveness in killing mosquitoes, flies, fleas, gnats, chiggers, mites, moths, wasps, hornets, ROACHES of all species (even resistant strains), ants, silverfish, beetles, spiders, crickets, and other insects yet it is safe for use around foods, facilities, plants and animals. Low in cost. Just mix 1 gallon of Hub States CYTHION Fogging Concentrate with 25 gallons of No. 2 fuel oil. Leaves no stains; low odor.

1 gal. can...\$12.90 per gal. 5-gal. pail... 11.93 per gal.



A powerful professional fogger that's small enough to put in a car trunk and easy to carry. Blankets thousands of cubic feet of area in minutes with a fine dry fog. Billions of microscopic droplets of lethal Malathian insecticide penetrate into every crack and crevice in a building, killing even the hiding insects. Output up to 7½ gallons per hour. Can be adjusted from a fine to a coarse fog. No special training required to operate it. \$372.00.

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Fitting clubs the 'mod' way

New machine not only aids the pro in teaching, it helps him determine the correct club specifications for the pupil

The golf pro may just have found a friend for life. The owner of a new machine called the Swing Recorder, already patented, claims to have put the tricky and complicated question of club fitting on a reliable basis.

The pro merely follows the readings of computerized charts, called Photoanalytical Club Fitting Analysis Charts. These charts are encased in plastic and bolted to the machine and enable him to record the results of a golfer's performance with a variety of clubs as measured by photoanalytical polaroid shots.

The golfers performance as to his impact speed, clubshaft flex and loft are carefully recorded on the charts until the proper combination gives him the optimum trajectory. He thus has in his hands an exact and clearly understandable series of records of what his best fitted club will do for him on the average. The machine will also help to determine which club is best for the golfer.

The device is electric and works best indoors. It is 18 inches wide, nine inches deep, 40 inches high and weighs 65 lbs. The pro can also use the machine to give his lessons.

One example of its use in teaching is illustrated in figure 1. The action of the golfer can be stopped motionless at any point and can be viewed by the student, with his instructor interpreting his action.

All the theories developed and later embodied in the charts were actually tested on the driving range



Figure 1. The sensitivity and accuracy of machine enables the most critical action of the golfer to be stopped and viewed. Clubhead speed above was 88 mph; carry 180 yards.

and were very accurate in their predictions, it is reported. Golfers, from the average to the touring pro, were subjected to these methods and their performances were accurately measured while they hit shots on the range. These shots compared with the predicted results.

The machine's inventor is E.J. Betinis. He possesses a background in mathematical physics and computer analysis and has played golf for about 25 years. □

For more information circle number 132 on card 64 • GOLFDOM/1968 JUNE



National Golf Foundation announces a

Tough twosome

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Tough all right, because they cover for one another. One shows you how to score, the other how to avoid the penalties. One's called Golf Lessons, the other Easy Way to Learn Golf Rules. Together they're called "tough to beat". Read their profiles and you'll see why.

Golf Lessons—an 8½ x 11-inch, 44-page 1968 revision of nine easily-understood lessons with over 90 illustrations by Golf Magazine artist Dom Lupo.

Easy Way to Learn Golf Rules—an 80page, illustrated pocket-sized version of the rule situations most frequently encountered on the course. Based on the Rules of Golf as approved by the United States Golf Association, the drawings are by Dom Lupo.

Single copy prices: Golf Lessons, 45ϕ ; and Easy Rules, 15ϕ . Order multiple copies at volume discounts as listed: Golf Lessons, 11-50 copies, 40ϕ each; 51-100, 35ϕ ; 101-150, 29ϕ ; 151 and over, 25ϕ . And Easy Rules, 10-49 copies, 14ϕ each; 50-99, 12ϕ ; 100 and over, 10ϕ .

The National Golf Foundation will imprint the name and address of your golf course, school or company on Golf Lessons for an additional charge of \$5.50 for orders of 100 copies, and 50¢ for each additional 100.

| Clip and mail to: NATIONAL GOLF | | |
|--|--------------------------------|--|
| 804 Merchandise Ma | | |
| Chicago, III. 60654 | | |
| Name | | |
| Address | | |
| | Zip Code | |
| Quantities desired: | | |
| Golf Lessons | imprinted 🗌 | |
| Easy Rules | | |
| Indicate below the net the imprint of Golf L | ame and address for essons. | |
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to heat

For more information circle number 207 on card

DOLGE PRODUCTS for MAINTENANCE



Free Turf of Dandelions, Plantain E.W.T. (2,4-D) WEED KILLER

Selective. Rids turf of dandelions, plantain, other broad leafed weeds without injuring good grass. Nonpoisonous. Dilute up to 400 parts of water; spray.

Rid Turf of Destructive Insects SOLEXTO

Kills bugs in and on turf. Dilute in up to 400 parts of water.

Exterminate Moles and Gophers

Finishes moles; punch holes in runs and pour in. Kills gophers, too.

Eradicate Weeds on Parking Lots, Roads SS WEED KILLER

Can kill any weed it hits. Use on parking lots, drives, walks, sand traps, and other places where you want no growth whatsoever.

Wash Golf Balls, Quickly, Thoroughly DOLCO PINE BALL WASH

Right for rotary or paddle machines; has pine aroma; efficient, agreeable.

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



For more information circle number 191 on card 66 • GOLFDOM/1968 JUNE

People in the news



Abernethy

Davis

M. Stanley Davis, Jr. has been named vice president of manufacturing for Certain-teed Products Corporation. He was formerly vice president and director of the corporation.

R.R. Abernethy has been appointed vice president of sales for both of the company's major sales divisions, the Weather-matic Sprinkler division and Telsco Fittings division.



Holmes Radaker William P. Holmes, president of Wilson Sporting Goods Company, was elected to the office of chief executive officer at a recent meeting.

Byron C. Radaker was promoted to vice president and general manager of the pipe division of Certain-teed Products Corporation.

John Singleton has been appointed technical marketing representative for the U.S. and Canadian East Coast by the Moist O'Matic division of Toro Manufacturing Corporation.

Don Walz has been named manager of specialty products advertising for Velsicol Chemical Corporation.

John G. Rickolt has been promoted to assistant sales manager for East Penn Manufacturing Company. He has been with them since 1966.

C. Kenneth Claunch was named product marketing manager for the industrial chemicals division of Mallinckrodt Chemical Works.

INCREASE EARNINGS, SERVICE & SPACE

Remodel your present storage space, bring your bag racks up to date WITH NEW Stafford

WITH NEW Stattord VERTICAL BAG RACKS



U.S. & CANADIAN PATENTS

Your members will like the extra convenience and care. Your pro shop profits from 40% more space these racks make available.

Double unit shown holds 16 bags, size 2' x 4' x 6'-6" high, gives 12" x 12" space for bags. Single unit holds 8, size 1' x 4' x 6'-6" high. Sturdy steel. Bags set solid on tapered shelves.

- Wear and tear of golf bags is completely eliminated
- Damp bags dry faster no mildew
- Provides a neat appearance
- Faster, easier storage
- Easy to install and add more as needed —

Send us your floor measurements, we will plan a layout and quote you — no obligation.

THE A. G. STAFFORD CO. 2000 Allen Ave. S.E. • P. O. Box 287 Canton, Ohio 44701 • 216/453-8431 For more information circle number 160 on card

News of the industry

Ragan is paid tribute

The members of Greenbriar Hills Country Club, St. Louis, Missouri paid tribute to their superintendent, Walter C. Ragan and his wife, Mae for the 33 years he has been at Greenbriar. For 26 of those years he has been the superintendent.

The membership recognized him as a man unselfish of his time and talents in the caring of the greens. They acknowledged his 70 hour weeks during the summers and his time and devotion to the club.

Insect control booklet

A new booklet, covering various phases of insect control, has been published by Curtis Dyna-Products Corporation and is offered without charge.

It outlines the problems inherent in insect infestation, and reviews the factors which must be considered in control techniques. Various ways of eradication are covered, and the brochure suggests some insecticide formulations and methods of distribution.



Above, the first five graduates of Michigan State University's 18month turfgrass management technical program. The graduates received special training under a program offered through MSU's Institute of Agricultural Technology and the Department of Crop Science.

When <u>Quality</u> Counts... SELL THE BEST!



Electric TEE BIRD BY TAYLOR-DUNN...SINCE 1949

For personal pleasure or club use... the most luxurious of the Tee Bird line! Engineered for your personal comfort and safety. Automotive leaf spring suspension, low center of gravity and dual brake system. Plenty of leg room, extra soft individual seats and a handy console to hold your beverages while riding.



Valuable territories available for dealers and distributors. Write for the facts TODAY!

Taylor-Dunn Mfg. Co., 2114 W. Ball Rd., Anaheim, Calif. 92804 • (714) 535-6021

For more information circle number 135 on card



For more information circle number 189 on card

WORLD'S MOST DESIRABLE IRRIGATION SYSTEMS



ARE DESIGNED BY



AUTOMATIC GOLF COURSE IRRIGATION

CONSULTANTS DESIGNERS INSTALLERS

LARCHMONT ENGINEERING Lexington, Massachusetts 02173 Members A.S.A.E.-S.I.A.

For permanent underground irrigation systems we use

Johns-Manville TRANSITE Asbestos-Cement IRRIGATION PIPE



For more information circle number 205 on card

THE FINEST GREENS ARE PLANTED WITH Warren'STOLONS

Perfect even texture and color are maintained with clean, pure-strain WAR-REN'S STOLONS. Greens planted with seed do not hold their uniformity of color and texture as well as greens planted with stolons. They are apt to develop a "patchwork" look after a few years.

S.

The cost of STOLONS over the cost of seed is insignificant compared to the overall cost of the establishment of a golf course. Why be satisfied with anything less than perfect greens only obtainable from purestrain STOLONS.



For more information circle number 182 on card

68 . GOLFDOM/1968 JUNE



For more information circle number 270 on card

Graffis

Continued from page 15

That de Vicenzo card is something for the USGA Golf House museum.

Bob Jones, The Greatest, was not able to get out on the course or on TV to be seen by the millions to whom he still is golf's ''verray parfit gentil knight''... Many to whom Jones is Top Man in golf history never saw him play...Bob is in bad physical condition but still the same brilliant personality mentally.

The Golf Writers' annual tournament and party at the Dunes Club at Myrtle Beach, S.C., is the best of all sports writers' affairs. even though the multi-millionaires who've gone into pro football, baseball, basketball, hockey, etc., have presented some gorgeous wing-dings . . . This affair, just as a pre-Masters gathering of the golf writers, got millions of dollars in nationwide space for Myrtle Beach and made the place the number one stop for golfers between Florida and the northern courses . . . When there was a rumor that Myrtle Beach might not want the writers there were a half dozen Carolinas and Georgia coastal golf resorts eager to be hosts to golf's ink-stained wretches.

But the Dunes Founding Fathers received the Yankee migrants the week-end before the Masters with the old southern hospitality and absolutely the best coastal cooking this side of Marseilles . . . Bob Drum in conducting the auction with Seagram, Schenley, National, as co-sponsors, did his funniest and most beguilding job . . . Des Sullivan of the Newark (N.J.) News was winner of the Harlow trophy for low gross with a one-over-par 73 and nobody was sore or wanted to check the scorecard . . . There was a bronze memorial tablet presented to Charley Bartlett . . . It noted his performance of taking 22 at the Dunes 13th home . . . Bob Drum wrote the inscription which ended with something about Father Bartlett counting every stroke . . . Charley always did that . . . The Drum inscription was a pretty thing that should go with that Granny Rice poem about the great scorer.

Some of the most effective pro



advertising I've seen this spring are the golf columns that are being written for small town papers . . . As for instance, that column John Danielson has been writing for the Lake City (Fla.) Reporter . . . He's making steady golfers out of many Yankee immigrants . . . And proving himself decidedly a community asset . . . Last winter and early spring we heard from a lot of pros who were teaching high school night classes in golf to older men and women who soon were to retire and wanted to take up golf . . . The way I've seen it is that the girls past 60 who have started golf in California, Arizona and Florida quickly get better than elderly male beginners.

Speaking of the always-youngfolks Jack Redmond, the veteran trick shot artist, is on his eighth around-the-world tour ... Redmond has performed in 97 countries ... Kenneth M. Kierhas been engaged as pro by the Mid-Pacific CC, Lanikai, Hawaii ... Mid-Pacific recently spent \$200,000 in renovating with course being up-dated to plans of Bob Baldock.

Cliff Cook from Kent (O.) State University course to pro job at new Belmont CC near Perrysburg, O. . . . Wm. K. Ritchey appointed Belmont manager . . . He came from Twin Hills G&CC, Oklahoma City ... Toni Matt, former U.S. ski champion, becomes course superintendent and ski manager of Spring Green, a 3,000 acre year-around resort in Wisconsin surrounding Taliesin home of late Frank Lloyd Wright, famedarchitect . . . Robert Trent Jones designed Spring Green course now under construction . . . Matt has been superintendent at Quaker Hill CC, Pawling, N.Y. ... Saginaw (Mich.) CC replacing old clubhouse with \$819,000 establishment.

Evansville, Ind., talking about building 18-hole public course surrounding Angel Mounds, which archeologists have been exploring as the site of Indian villages during 14th and 15th centuries.

Superintendents and their chairmen at numerous clubs have been discovering this spring that they overlooked an important need last fall in not planning and budgeting new bridges on the course . . .





Grounds Maintenance & Turf Equipment

SWEEPERS A THATCHERS A RENOVATORS SI SPIKERS B TRUCKS T

AERO BLADES AERATORS SEEDERS BLOWERS TRAILERS

Write for Nearest Distributor Rogers Manufacturing Co., Inc. OLATHE, KANSAS 66061 Phone: 913-764-1615 or 913-782-0831

For more information circle number 210 on card

DIVOT-FIXERS

Golfers insist on good greens! Furnish them with a **DIVOT FIXER** and they will do their part helping you maintain these beautiful greens.

DIVOT FIXERS are now available in both aluminum and highly polished nickel steel, with standard imprinting "FIX BALL MARKS ON GREENS THANKS—YOUR GREENS COM-MITTEE." Samples furnished upon request.

Prices effective Jan. 1, 1968 (plus shipping charges):

| Nickel steel (FOB Des Moines) | Aluminum (FOB Des Moines) |
|----------------------------------|------------------------------|
| 100 - \$20.00 | 100 - \$12.50 |
| 250 - 35.00 | 250 - 25.00 |
| 500 - 52.50 | 500 - 40.00 |
| 1000 - 95.00 | 1000 - 75.00 |
| | |

\$12.50 extra per order for special imprinting aluminum *only*), 1 or 2 lines, one side only. 1st line limit 26 letters and spaces. 2nd line limit 29 letters and spaces.

Woodside Golf & Park Supply Co.

Des Moines, Iowa 50313 For more information circle number 232 on card

For more information circle number 224 on card

B & W

C-U-T-P-R-O-O-F

Solid Range or resale ball **HI-COMPRESSION**

Brilliant Polyeurathene Finish

Looks, Feels Like a Conventional Ball

\$2.85 Doz. Red Striped.

Samples Available On Request



For more information circle number 181 on card

Graffis Continued from preceding page

Bridges for golf cars often were designed, built and located without any idea that the car traffic would reach its present volume . . . Many car bridges were built as expedients and now are in dangerous condition as well as unwisely located for turf wear and are within range of wild shots . . . Since the early years of golf car bridge building, superintendents have second-guessed bridge design as an aid in getting machinery, material and men quickly to places they're needed.

GCSA of Southern California names its officers for the ensuing 12 months: president Randall K. Andreason, superintendent, Meadowlark CC; vice president Richard Eichner, San Ana CC, ... Three directors are to be chosen from the nominating committee's list: Nick Del Selva, Donald Fitz, Wm. Holden, David Mastroleo, Harold Mollon, Manuel Orozco, Ron Taborski, Art Warren, Jack Wear and Jerry Woffinden.

Johnny Spence signed as pro by Mid-Carolina Club, now building course and clubhouse at Newberry, S.C. . . . Maple Bluff CC, oldest course in Madison, Wis., is being modernized . . . Maple Bluff was one of the first courses in giving expert artistic attention to landscaping around the tees . . . Air landing strip to be built between the two courses of the Makaha Inn and CC in Hawaii . . . A helipad will be in front of the Inn . . . Island-hopping by plane is a major factor in the booming golf development of Hawaiian Islands.

Sam Emerson hired as pro by Beaver Hills CC, Cedar Falls, Ia. . . . Tuscon, Ariz., buys El Rio 18hole course and buildings from Henry S. Rosenberg and son, of Toronto, for \$516,000 . . . City will make annual principal and interest payments from 35 per cent of gross of green fees plus a percentage from concessions . . . El Rio is Tuscon's third muny course . . . Southern California GC is planning a pension program for employees of SCGA member clubs . . . SCGA also is preparing . . . Remodeling Mount Massive GC nine at Leadville, Colo., said to be highest golf course in U.S., at about 10,200 ft.



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