

pearance of a home-made job. It is understood that he has applied for a patent on his system.

He simply digs out the floor of the fireplace to the depth of about a foot. It is not necessary to even brick this up at the bottom. A rectangular, welded sheetiron tank, (a hollow square) of about 4 ins. cross section is made to fit the hole in the floor, and is mounted flush with the original floor of the fireplace. In the rear of the fireplace is set up an ordinary steam radiator of small size, which is connected to the piping of the hot water heating system. T's are inserted in the pipes from the radiator and connections made to the hollow tank. The tank thus provides heating surface to supplement that of the fireplace radiator. Finally a large pipe "fender" is mounted in front of the radiator, which prevents wood being thrown in and banged against the radiator. This fender also is connected to the tank, giving still more heating surface. Altogether, he gets about 25 sq. ft. of heating surface.

That's all there is to it. The rest is the same as any hot water heating system. Build a fire in the pit, and you have as nice and cheerful a fireplace fire as before. The flames rise and heat the radiator and tank effectively and the radiator, set clear at the back, is not unsightly. Ordinarily it is covered with black deposit and is hardly visible.

He added a refinement by taking out the front brick work and building a recess in which slide a metal screen and a pair of sheet iron doors. Thus the fireplace may be screened, or, by shutting the metal doors, can be closed off at night so that the fire merely smolders and keeps a low, even heat all night.

RODENT REPELLENT PROTECTS COURSE TREES

Castle Rock, Minn.—Castle Chemical Co., makers of Sulphonol, report that this sulphur emulsion preparation is proving invaluable to nursery and seed companies in the northwest, who find that rabbits and other rodents will not touch or gnaw at trees and shrubs that have been treated with it.

As the makers point out, rabbits and other rodents destroy many trees every winter. Many preparations have been introduced to check this damage, but they are too easily washed off. Screens are too expensive. Oils are often injurious to the tree.

Sulphonol mixes with water, is economical, easy to apply, effective and lasting.

Sow GRASS SEED of "Known Quality" RIGHT NOW

LATE SUMMER OR EARLY FALL
SOWING IS BEST



Root Growth Triple A Bent

All varieties of Bents and other Grasses and Mixtures for fine turf. Golf Course Requisites, Fertilizers, Brown Patch Remedies, Irrigation Equipment, Sprinklers, etc.

STAIGREEN LAWN SEED

Famous for lawns—the modern seed mixture assuring luxuriant turf.

1934 "Golf Turf" supplement
free on request.

Stumpp & Walter Co.

Specialists in Golf Grass Seeds,
Fertilizers and Equipment.

132-138 Church St.

New York

Who's getting it?

GOLFERS are staging a great comeback . . . players are crowding tees again . . . house accounts are showing far better . . . things are pitching up in great shape.

But, more than ever, golfers are looking for their money's worth — successful courses are giving it and *getting it back by attracting more play.*

Well-turfed greens and fairways are your most obvious selling points — and the most convincing, too.

Golf turf has done well on spare rations, expecting better times. Now, with the revival in play, it deserves a break.

**Start building Better Turf now
with a natural grass food . . .**

PREMIER Poultry Manure

**—the greenkeepers' health diet
for turf.**

1—It is a natural grass food and stimulant. 2—It is a balanced manure containing 6% Ammonia, 2.50% Phosphoric Acid and 1% to 2% Potash. 3—It contains no live weed seeds. 4—Being organic, it aids humus and aids bacterial action. 5—It can be applied with a minimum of labor and expense. 6—Being more soluble than other manures, it is more available. 7—Being finely pulverized, it is quickly absorbed into the soil.

Order NOW for Fall Feeding!

PREMIER POULTRY MANURE CO.

327 S. La Salle Street

Chicago, Illinois

COTTON, BREWS PLAYED HAGEN CLUBS IN BRITISH OPEN

London, Eng.—Walter Hagen can take some patriotic consolation from the Henry Cotton victory in the British Open. Cotton played Hagen's Tom Boy woods and irons in making his amazing scoring record to jolt the Yanks out of the British Open title for the first time in 10 years. Sid Brews, second in the event, played Hagen irons, as did Dallemagne, who tied for fourth.

Hagen with his four British Open titles and his clubs winning another title in the hands of Cotton seems to have the British situation well in control.

W. P. MILLER WINS INJUNCTION ON FAIRWAY WATERING

New York City.—Wendell P. Miller and Miller Eng. Co., Inc., has been awarded an injunction against Arthur D. Peterson in a case involving fairway watering system design.

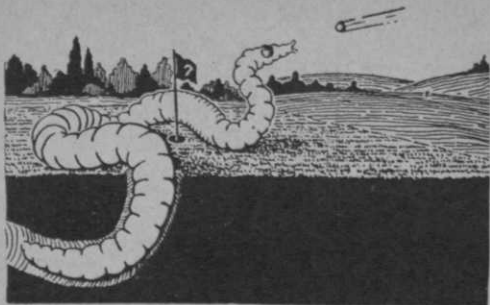
The issues were referred to Referee Emanuel B. Cohen, New York City. Numerous hearings were held before the referee and a considerable amount of evidence and exhibits submitted. Blue prints and designs of a large number of golf course irrigation systems installed in the east by the plaintiff were submitted. Testimony by deposition from witnesses in California were also submitted to the referee.

The injunction as finally issued restrains the defendant from selling or offering for sale or using plans and designs similar to the Miller system, from installing any irrigation system upon a golf course adopting the distinctive methods and designs of Miller and further restrains the defendant from using the words "One Man System of Irrigation" or similar expressions which the referee has determined are particularly applicable and identified in the trade as the product of Miller.

Portsmouth, O.—H. C. Brownson, manager Vulcan Golf Co., is on a business tour of West Coast cities. Curley-Bates Company, with offices in Los Angeles, San Francisco and Portland, Ore., are exclusive West Coast jobbing representatives for the Vulcan line.

SOMERSET WITHDRAWS ACE SCOTCH OFFER

New York City.—Somerset Importers, Ltd., have been awarding as a free prize to all golfers scoring a hole in one a bottle of Haig & Haig or Dewar's Scotch whisky. Effective September 15, 1934, this offer will be discontinued.



Get Rid of the Worm Hazard

Always in the way....always spoiling the game of particular players....creating disgruntled, dissatisfied members....you couldn't find one all day if you wanted to go fishing, but your members can't avoid him, or the little mounds of dirt he makes.

DIWORMA gets rid of worms effectively, surely. Just sprinkle on your greens—no washing in, no rinsing, no burned grass. Investigate!

Other Dolge products.

THE C. B. DOLGE CO.
WESTPORT, CONNECTICUT

BEFORE YOU BUY Any Sprinkling Equipment . . .



...Send for Your FREE Copy of this VALUABLE BOOK

Showing our dynamically balanced Greenkeepers and the many other fine items that make up the most complete line of advantageous sprinkling equipment in the world.

**THE MARCH AUTOMATIC
IRRIGATION COMPANY**
Dept. G-3 MUSKEGON, MICHIGAN

ANNUAL SALES CONVENTION L. A. YOUNG GOLF CO. HOLDS



Back row (left to right)—Stan Northrup, southeastern representative; Harold Catlin, order department; Gordon Goyette, north central representative; Russell Matter, New England representative; Larry Dow, manager, New York branch; Tom Robbins, manager, Chicago branch; Bruno Minkley, central eastern representative; Arnold Minkley, central representative; Jimmy McGonagill, southwestern representative; and Paul Sage, Pennsylvania representative.

Front row—Ed Forrest, cost accountant; E. LeRoy Pelletier, Jr., advertising manager; George J. Herrmann, secretary; Richard Link, factory manager; L. A. Young, president; E. E. Chapman, vice-president and general manager; Eddie Rankin, Michigan representative; and Wilbur W. Woods, south central representative.

Detroit, Mich.—The eighth annual sales convention sessions of the L. A. Young

Golf Co. were held in an ideal spot—an airy pavilion on the shores of Wing Lake,

where L. A. Young, president of the company, has his country estate.

Business sessions were under the chairmanship of E. E. Chapman, vice-pres. and gen. mgr. of the company.

Following two days of meetings, the convention came to a close with a golf tournament played at Red Run G. C. and a banquet in the evening at the same place.

All of the field men of the company attended the sessions with the exception of those on the Pacific Coast and some of the junior salesmen.

The new 1935 Hagen line was presented at the meeting and its salient points and the business policies of the company were set forth.

A novel feature of this convention was that the talks were not made only by the executives of the company, but each of the field men spoke on a subject pertaining to sales activities.

CHRIS GRUBEL APPOINTED AD MANAGER FOR SPALDING

New York City.—S. A. (Chris) Grubel for many years with the advertising department of A. G. Spalding & Bros. has been promoted to advertising manager of the company. Other executive duties of William Brown, formerly advertising manager of Spalding, have become so numerous that Chris has been beckoned from the bullpen to go in and pitch.

He knows what the score is in the pro and all other phases of the golf business, and the pros will find him a bright and industrious teammate in pushing the Spalding policy of pro publicity conducted vigorously during the regime of Bill Brown as advertising manager.

ROTARY TURF CONDITIONER HAS HOLLOW SPIKES

Philadelphia, Pa.—Philadelphia Toro Co., 1528 Belfield avenue, is introducing a new rotary turf conditioner which is a roller type of machine and consists of two sections, each ten inches wide, equipped hollow spikes three inches long and one-half



inch in diameter, so constructed to pierce the turf and at the same time cut a plug therefrom, leaving a clean-cut hole three inches deep in the turf.

The hollow spike is so constructed that when it is made or set into the face of the machine it will not lift or tear the turf as it passes over it with a rolling action. The spike is so constructed that it may be quickly and easily replaced when necessary.

The machine with hollow spikes mounted in all or any part of its periphery, acts as a roller at the time it is piercing the turf, leaving a smooth surface ready for any treatment or work that it is necessary to perform.

It is so constructed that the weight may be quickly changed at the will of the operator that it be made heavier or lighter.

PHOENIX RED TIP TRACTOR SPUDS

Extra Long Service

Made of a special analysis steel, hardened by the latest scientific heat treating methods. Sizes from $\frac{3}{8}$ in. to $\frac{3}{4}$ in. Also Mower Spuds. Inquiries invited.

PHOENIX MANUFACTURING
COMPANY

Joliet, Ill. Catasauqua, Pa.



STAUDE General TRACTOR Utility

**\$495
AND UP**

Manufactured continuously since 1916 and sold on a money-back guarantee. Buy through Ford dealers or write us for details.

E. G. STAUDE MAK-A-TRACTOR CO.

2696 University Ave., St. Paul, Minn.

SAVE for your club by purchasing acclimated, winter-hardy

BENT GRASS SEED

Direct from the farms where it is grown.

A. N. PECKHAM, Kingston, R. I.

15 Years' Satisfactory Service

Also Fairway Mixtures

It is so enclosed that the dirt and the plugs when cut from the turf are confined. When the piercing and rolling operation is completed the surface of the green is left free and clean from any dirt, ready for any work.

The machine also is equipped with a set of transportation wheels which will instantly shift into position to enable the operator to turn machine without tearing the turf.

This conditioner has been used for the past year at the Longacres CC, Lawrenceville, N. J., with great satisfaction. At this particular golf course the greens and tees are constructed of 70 per cent clay soil. By using this machine the club has been able to change the soil texture of these greens about 60 per cent at a minimum cost of labor.

J. OLIVER JOHNSON APPOINTS VAN LINDER MICHIGAN REP.

Chicago.—E. C. Van Linder has been named Michigan representative for J. Oliver Johnson, Inc. Van Linder, for the past six years, has been associated with the Ideal Power Lawn Mower Co. He will make his headquarters at 348 Patty avenue, Jackson, Mich., and cover Michigan on J. Oliver Johnson's complete line of maintenance supply and equipment for golf courses, parks and cemeteries.

HYDRAULIC CONSTRUCTION IN NEW TOMMY ARMOUR BALL

Elyria, O.—The new hydraulic golf ball with patented center recently announced by the Worthington Ball Co., known as the Tommy Armour Special, is designed and built especially for the hard hitters and low handicap players. The hydraulic features of the ball are obtained by the use of exclusive Worthington patents which permit uniformity in construction and performance, and a degree of compression which Worthington says has not been possible heretofore. The cover is a superfine grade of genuine balata and windings are applied under uniform and controlled tension. Careful tests and thorough inspections mark each stage in the manufacture of the ball.

HYDROLIZER IS NEW DEVICE FOR GREENKEEPING

Elmhurst, Ill.—The new Hydrolizer system combines sprinkling with fertilizing, fungiciding or insecticiding; it does the complete job in one operation and throws a colored water stream or spray that shows the strength of the solution being applied.

A. E. Urban, President of the Hydrolizer Corporation, is inventor of the new device and also the creator of a full line of chemical concentrates which are especially

BROWN PATCH STILL DANGEROUS



September's heat and frequent rains often help brown patch do its worst damage. Now, more than ever, greens need the protection of Semesan or Nu-Green! Semesan: 25 lbs., \$46.25; 100 lbs., \$180.00; 300 lbs., \$525.00. Nu-Green: 25 lbs., \$30.00; 100 lbs., \$115.00; 300 lbs., \$330.00. Order from your dealer or golf supply house.

BAYER-SEMESAN CO., WILMINGTON, DEL

ONE STEP *from Your Train* TWO STEPS *from Anywhere*

● One step from your train at Cleveland's Union Passenger Terminal (or your car in the Terminal Garage) and you are in Hotel Cleveland's friendly, club-like lobby. And here you are at the very heart of the city—only two steps from anywhere you will want to go.

HOTEL CLEVELAND



● Rooms from \$2.50 for one, \$4 for two. Floor clerks. Servidor service. Modern Bronze Cafe, colorful Little Cafe, formal Cleveland Room, Cocktail Lounge, moderate-priced Coffee Shop.

**HOTEL
CLEVELAND**
Cleveland

**GOLF COURSE MANAGERS!
PROTECT YOUR TREES!**

USE
SULPHONOL
RODENT REPELLENT

SULPHONOL is an economical, efficient, effective, safe, simple treatment for the protection of trees and shrubs against rabbits and rodents. Save hundreds of dollars annually—avoid replanting—use SULPHONOL. Sold at all leading dealers or send \$1.00 for SULPHONOL treatment—enough for fifty trees. Free details—no obligation.

CASTLE CHEMICAL CO.
CASTLE ROCK, MINNESOTA

SEASIDE BENT
No. 1 Blue Tag Certified
also
limited quantity No. 2
*Quick action necessary
all grasses scarce*

The J. M. McCullough's Sons Co.
328-332 E. Front Street
Cincinnati, Ohio

DIAMOND
Steel Center
Tractor
Spud



Always
Sharp
Extra
hard steel
core keeps
spud sharp
until complete-
ly worn away.
Softer outside
steel wears first,
leaving harder center.
Will not harm turf.

Diamond Calk Horseshoe Co.
4702 Grand Ave., Duluth, Minn.

Write
for
details.

The Bag of 1935

Sensation of the '34 season. Pros coast to coast found this revolutionary new type bag biggest seller in years. 1935 Pax, lighter weight and more attractive.

DES MOINES GLOVE & MFG. CO.
Des Moines, Ia.

**GOLF
PAX**

processed to incorporate the color compound for precision release.

While the color feature of the chemical concentrates is altogether new and serves a very practical purpose, main interest centers on the Hydrolizer itself. The construction of this machine is simple; it is portable; no preliminary mixing is required; it can be charged with its chemical in one minute and delivers perfect automatic control in every sprinkling or spraying operation.

A short hose length is used to connect the Hydrolizer with the water supply and a regulation service hose is attached to the outlet. A turn of the screw yoke releases the cover, exposing the opening to the removable chemical chamber. Enough water to partially fill this chamber is run in and the desired chemical (in powder form) is added. When the cover is replaced and secured by the screw yoke, the Hydrolizer is ready for duty. The chemical control lever is set for the desired strength of solution—anywhere from extra lean to extra rich—and in an instant the color of the stream or spray tells that it is being delivered, while the water pressure gauge shows the force behind it.

The Hydrolizer is available in three sizes: The Professional; the Intermediate and the Domestic. The chemical concentrates are made for every purpose in every division of maintenance and control. They are: Hydrocide for fertilizing; Hydrolux for insecticide and Hydromel for fungicide.

DOW CHEMICAL CO. BOOK IS VALUABLE REFERENCE VOLUME

Midand, Mich.—A book on Dow chemicals giving details of their properties, specifications, uses, shipping classifications and packing, has recently been issued by the Dow Chemical Co.

Its subject matter includes Dow's insecticides and fungicides, industrial, pharmaceutical and aromatic chemicals, dyes, magnesium and downmetal.

Although there are not many of the Dow products of use directly in the golf field, this book is of considerable interest and value to the greenkeeper who makes a point of having a helpful reference library. A copy of the book will be sent free on request.

● **BENT GRASS** ●

BOTH SOD AND STOLONS

Vigorous, healthy stock that develops fine, true putting surfaces. Write for full information.

HIRAM F. GODWIN
Box A, Redford Sta., Detroit, Mich. R. F. D. No. 3, Pottstown, Pa.