

Stop Brown Patch, Destroy Clover, Kill Angle Worms USE TONAGREN

Tonagren No. 1 is a scientific product that is used on many of America's finest golf courses. It has a double acting effect that destroys clover and stops brown patch.

Tonagren No. 2 is a splendid preparation
used to destroy angle worms.

The use of these two products will insure perfect playing greens throughout the season.

Write for prices and descriptive circular.

& M. TONAGREN COMPANY 6324 Brooklyn Kansas City, Mo.



DON'T BE MISLEAD

Improvements have been made in sprinklers, the same as in other equipment. Sprinklers that were considered "good" only 4 years ago

are now out of date.

The new Patented Perfection Spray Disc
Nozzle has revolutionized irrigation. This new
nozzle assures perfect distribution and constant slow up or down. turning whether the pressure go

up or down.

And, incidental to these unparalleled achievements, came larger coverage, longer life and simpler, more fool-proof construction.

Perfections are cheaper, too, from only \$7.50, giving a coverage up to 75 ft., to \$14.00 for the new No. F15, for a coverage up to 120 ft.

NOW is the time for you to find out for yourself what Perfections are really like. DON'T DELAY—Write us today—Tell us if your pressure is high, low or medium, and we will be glad to send you a Perfection on 10-day free trial, subject to your approval.

PERFECTION SPRINKLER CO. Michigan Plymouth

Green Section Bulletins Discontinued for 1934

UGUST, October and December, 1933, issues of the Bulletin of the Green Section of the USGA and Index for 1933 have been issued.

There will be no Bulletins' during 1934 due to lack of funds. Clubs failed to keep up USGA membership to extent necessary to finance Green Section Bulletin publication and to continue much of the other vastly important work of the Section.

Any of the clubs that have not belonged to the USGA and paid the \$30 annual dues are advised to see if they can get their hands on the October and December, 1933. Green Section Bulletins especially. They contain some technical articles that are worth so much more than \$30 a year to at least 3,500 golf clubs it's mystifying the clubs don't grab at the bargain.

Green Section advisory service for 1934 will be confined to member clubs of the USGA, giving them easily more than a \$30 a year edge in maintenance over non-member clubs.

Waffle Iron Brush Makes Excellent Boot Cleaner

DARTIALLY dried mud and caked dirt is a mean thing to readily remove from A broom or the usual stiff brush will not satisfactorily make the grade. The unavoidable covering of soil is often at-



tacked with sharp, clumsy tools which damage and injure the leather and strings. Get common ten-cent waffle iron cleaners and keep them handy in the tool house for the greensmen and the valet room for the members' shoes.

The steel bristles on these cleaners nicely spread out, but are stiff enough to remove practically any kind of mud or dirt which has dried. They are, however, pliable enough not to cut or injure leather.

Advertise Lesson Prices Strong in Shop Signs

WITH THE LESSON business coming back, it's timely to remind the laddies that their lesson prices should be boldly advertised in shop signs.

Some of the customers are afraid to take lessons because they think the price may be too high and they don't like to ask.

Tommy Armour displayed in his shop at the Medinah CC a large sign, with these prices:

Tommy Armour—\$6 an hour; Sandy Armour—\$4 an hour; Bob McLaren and Charles Penna—\$2.50 an hour. Six class lessons (for women)—\$5—Sandy Armour, instructor.

Quickly after the sign was displayed applications for lessons began.

US BALL PACKAGE WINS EXPERT AWARD

Providence, R. I.—Golf ball boxes being used by the United States Rubber Co. have been awarded the prize in their class at an exhibit conducted by the Packaging Institute, an organization of box designers and manufacturers. E. C. Conlin, golf ball sales manager of U. S. Rubber points out that the award indicates the extent to which a manufacturer goes to solve the ball sales problem for the professional.

An interesting detail of this year's de-

An interesting detail of this year's design of US ball packages for first quality balls of the line is the deeper box which makes the container stick up in pro shop displays.

WOODSIDE CAMP STOVE IS GOLF MAN'S IDEA

Des Moines, Ia.—Woodside outdoor portable cook stove, made by Woodside Stove Co., 121 E. 6th st., is the invention of C. G. Yarn, sec. of the Iowa Greenkeepers' Assn., and owner of the Woodside course.

The stove is of steel and weighs approximately 48 pounds. When carried it has storage space for skillet, dishes, etc. The device carries smoke away from the cook. Its grills are proper distance from coals for barbecuing. It has both grill and solid top. The chimney folds inside when packed. The top is 10 in. by 20 in.; sides are 8 in. high. Retail price is \$4.75.

Hardware stores are having a big early business in the stoves.

SCOTTY CHISHOLM PRODUCES PRO MOVIES FOR TEACHING

Hollywood, Calif.—D. Scott Chisholm, 7901 Santa Monica Blvd., one of the best known golf writers and a veteran expert

photographer, has been making slow motion movies of pros and their pupils for instruction purposes. Scotty has made the pros a low price on 100 ft. of 16 mm. film.

His library of home-size movie films of prominent players in action probably is among the country's best.

MASSACHUSETTS PROS INVENT NEW CLUBS

Boston, Mass.—John Cowan and Eddie Myers, well known Boston pros, have invented new clubs they are confident will find a big market.

Woods and irons are so constructed that by use of contrasting colored or bronzed metals on top of the heads the eye is focussed easier on the club and ball at time of impact. Hitting through the ball is en-



couraged by this psychological suggestion and teaching is made more effective, so the inventors say their experience has been.

The putter gives the ball an overspin to the extent a jumping putt is almost impossible so John and Eddie state. The putter design also tends to eliminate cut putts.

W. A. Whitcomb in the Boston Globe gave the boys a great piece of publicity on their new clubs and F. G. Thayer of Golf Associates, 683 Atlantic Ave., is helping them put their inventions on the market.

TILLAVATOR DEMONSTRATIONS INTEREST GREENKEEPERS

New York City—Eastern golf clubs are getting impressive demonstrations of a Danish machine called a Tillavator, for which Henry Jahn is American representative.

It is a motorized device which does in one operation a job that usually requires a plow and harrow, in half the time generally required.

In a job for Wesley Wildgust of the Winchester (Mass.) CC, the Tillavator replaced

THE BEST, SAFEST AND MOST **ECONOMICAL**

TURF DISINFECTANT

25-lb. pails....\$1.50 per lb.
100-lb. drums.... 1.45 per lb.
YOUR SUPPLIER HAS CUREX OR CAN
GET IT FOR YOU.

Write for Leaflet.

W-B CHEMICAL COMPANY NEW YORK 500 FIFTH AVE.

GOLF SCORE CARDS

Match and Medal Play Score Sheets

Charge Checks Tags Starting Sheets Record Sheets for the Manager, Greenskeeper and Pro Guest Registers

• Stationery • Caddie Cards • Greens Flags Paper Towels Toilet Tissue.

Write for Free Literature

LEROY PRINTING CO.

Exceptional Quality, Service and Price. 570 State Street, Hammond, Ind., U. S. A.

GOLF'S GALLERY OF CHAMPS

Exclusive photographs of U. S. professional and amateur champions, handsomely finished and ready for framing so they'll be interesting features of the club lounge, grille room, locker-

room or pro shop.

I have the largest collection of photographic portraits of golf's notables, including all but two of the American Open and amateur

champions.

All prints are finished in royal sepia.

5x8\$1 | 1|x|4\$5 champions or on other quantity orders.

GEORGE PIETZCKER ST. LOUIS, MO. 5464 Clemens Ave.

5 men in preparing a stripped old green for the laying of a new surface.

Wildgust says of the device:

"A series of hooks mounted on coiled springs rotating at about 350 RPM on a width of 20 inches, makes a perfect mulch at a depth of six or eight inches. It pulverizes the soil and smooths it out at the same time, thus saving a great amount of hand raking. It also tosses out all stones easily, enabling a man to follow the machine with a pail and pick them up. In this manner 11/2 yards of large and small stones were removed, leaving the soil in a light, fluffy condition.

"I am so impressed with the Tillavator's performance, that we are going to use it on another green and also our first fairway

and nursery.

"We can prepare these areas for resodding and planting in less than half the time it would take in the ordinary way, and in addition, gives us a perfect bed for the new sod."

TRACTOR LUG INVENTED BY OREGON GREENKEEPER

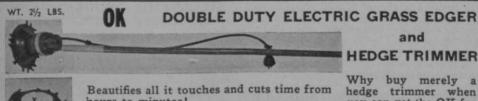
Warrenton, Ore.-Ted Filby, greenkeeper of the Astoria G&CC, has invented an adjustable tractor spud. It is about 4 in. long, threaded full length with one end ground flat on each side for wrench hold.

The lug is secured by two nuts and a lock washer between the wheel and the inner nuts. He has been using the lug for a year with complete satisfaction.

CELLULOID TEE BUSINESS IN COME-BACK WITH PROS

Keene, N. H.-Pros who have been hard hit by store competition of bags of wooden tees have fought that competition pretty much to a standstill last year on a price basis, but the profits slumped.

Now that there's not much to choose in price between pro shop and store wooden tee prices, pros are pushing their tee profits back into good standing by featuring celluloid tees, advises N. E. Clouston of the Delay Mfg. Co., makers of the Peg celluloid tee. Quantity of Peg tees in a



hours to minutes!

Money refunded if not satisfied.

and HEDGE TRIMMER

Why buy merely a hedge trimmer when you can get the OK for \$17? Want details?

Tooth Plate for Hedge Trimming

DANIEL PAYNE ORGANIZATION, Western Reserve Bl., Cleveland, Ohio

25 cent box now is double what it was a few years ago and the pro profit is still substantial.

Clouston remarks that most people prefer to buy all small items like tees from pros, without any question, and the 25c price for a reasonable quantity of attractive high quality tees, is proving to be just right for a celluloid tee come-back in proshop sales.

SPECIAL OFFER ON PRO

Willoughby, O.—Wm. H. Livie, 321 E. 320th St., pro whose simple bookkeeping system is being used extensively by pros who want to know what their business score is, announces a special offer to the fellows who want to see how well his bookkeeping system satisfies their requirements.

The Livie bookkeeping material costs \$3, but will be sent to any pro on receipt of \$1. After the pro has examined the sample book and finds it O.K. he can send the remaining \$2 to Livie.

PENFOLD BALL SALES IN BIG SPRING INCREASE

New York City—From Penfold Golf Ball, Inc., 67 W. 44th St., comes one of the bright signs of a revival in golf business. Penfold sales in some numbers of the line at twice last year's volume at this time.

In announcing that 1934 Penfold prices are lowered, Penfold reaffrms its policy of selling through pros only.

PROS USING PRO-SWING HIKES ITS SALES

New York City—Pro-Swing practice club sales are beginning to take hold in the pro field as the result of a number of well-known pro instructors recommending and selling the device to their pupils. The Pro-Swing consists of a heavy ball, attached by a spring to a golf shaft. The ball and spring attachment, so pro users say, is a great idea for teaching the pupil to develop proper wrist action and to hit through the ball.

One bright pro rents the Pro-Swing to his pupils instead of selling them outright and does brisk business at 50 cents a rental session, according to Bob Carter who is sales manager for Pro-Swing Co., 551 Fifth

Among the prominent professionals selling Pro-Swing to their pupils are Craig Wood, Ernest Jones, Bobby Cruickshank, Billy Burke, Eddie Loos, Spencer Murphy, Tom Kerrigan, Donald Ross, Walter Kozac and Brian Cockburn.

There is a good margin of pro profit in the Pro-Swing and Carter is planning to



Domestic Peat HUMUS

Greenkeepers prefer this fine, rich, black, cultivated peat humus. Molsture-holding, longlived.

Hyper-Humus Improves Any Soil

Order now for your putting greens.
HYPER-HUMUS CO. of Newton, N. J.
Main Office, Morris Bldg., Philadelphia, Pa.



Illinois Grass Co.'s True Washington Strain Creeping Bent is used by hundreds of golf and country clubs, greenkeepers, etc., in solid turf form. Furnished in rolls ready to lay down like a carpet. Guaranteed quality. Furnished in stolons also. Write today for prices and samples. We grow Blue Grass sod, too.

ILLINOIS GRASS CO. 18455 Reigel Road, Homewood, III.



ALL PURPOSE SPREADER

For economy and perfect application of all materials on greens and fairways the All Purpose Spreader is unexcelled.

Manufactured by THE ROOT MFG. CO. 1051 Power Ave., Cleveland, Ohio turn on some sales heat soon so he and the pros can make a good piece of money out of it this season.

YOUNG'S NEW YORK OFFICE NOW AT 11 PARK PLACE

New York City—New York offices of L. A. Young Golf Co., in charge of F. L. (Larry) Dow as Eastern District Manager, have been transferred from their previous location at 17 W. 45th St., to 11 Park Place.

The new location is immediately opposite the Woolworth Building and is easily accessible to pros in the New York area.

Alice Nash, possibly one of the best known business women in golfing circles, is associated with Dow in the New York office.

An invitation is extended by Dow to professionals to visit him in his new headquarters and to inspect the complete 1934 line of Hagen clubs and other equipment.

MacGREGOR'S NEW TRU-WHIPS GOING BIG

Dayton, Ohio—Buying enthusiasm is being shown for the new Tru-Whip golf clubs introduced this season by McGregor.

According to letters received at the factory, both beginners and par shooters are getting up to 40 yards more distance with these new clubs, plus the accuracy formerly obtained only with stiff-shaft clubs. Even pros who formerly didn't seem to be able to find clubs with shafts stiff enough are being converted to Tru-Whips.

Geo. Mattern, Sr., McGregor sales manager, quotes from a letter written by a pro in Cincinnati: "I played four rounds with Tru-Whips on three different courses. My scores were 66, 67, 68 and 69. These clubs feel more like hickory than any I have ever used. I time my shots better with them and I am longer off the tee than I am with stiff-shafted clubs."

In commenting on this pro's verdict of



Tru-Whips, Mattern said that often expert players who had become wedded to stiff-shafted clubs were skeptical about Tru-Whips, perhaps because of an unfortunate experience with whippy-shafted clubs in the past. "But," continued Mattern, "once we can induce them to try Tru-Whips, they're usually converted. For due to the construction of these clubs which keeps grip and neck rigid with all the whip in between, they're as accurate as the stiffest shafted club ever built."

He also pointed out that Tru-Whips are suitable for every type of player, regardless of his swing or the strength he puts into his shots. For this reason, pros are able to supply all demands with small

stocks.

Mattern stated further that the incoming Tru-Whip business is the largest percentage of business on any of the higher priced clubs in any year of MacGregor history.

GRIP-RITE REMOVABLE SPIKES PRO BUSINESS INCREASES

Hartford, Conn.—North & Pfeiffer Mfg. Co., makers of Grip-Rite removable Shu-Spikes, say that pro business in their shoe-spikes has steadily increased during the past few years.

Rate at which the pro business is coming this spring indicates the past increase was not entirely due to the depression measure of players spiking regular street shoes, but to desire of players to arrange spikes and provide for their removal in shoes they considered were especially satisfactory for golf.

North & Pfeiffer Mfg. Co. will send free on request to pros samples and complete details of the Grip-Rite golf Shu-Spikes.

BOOMERANG RUBBER TEE IS BIG SELLER

Chicago, Ill.—Boomerang Co., 3953 Cottage Grove Ave., reports big sales of its

LEWIS

GOLF BALL WASHER ("Standard thruout the World")

As necessary as the "tee itself." Lewis Washers are durable, economical and priced for even the smallest club. See your golf equipment dealer now.

G. B. LEWIS COMPANY Dept. GD 534 Watertown, Wis.



Snowing Portion o

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 SEND FOR YOUR FREE COPY OF

MOLES AND HOW TO CONTROL THEM

Ask for special sample offer

C. E. GRELLE, Green Hills, Portland, Ore.

Manufacturer of the ACME MOLE TRAP

Most Efficient Mole Trap on the Market

new rubber tee. The device retails for 10 cents each, three for 25 cents: with about 50 per cent margin for the pro. An attractive display card is supplied as a sales aid.

WORTHINGTON HAS NEW MOWER AND TRACTOR CATALOGS

Stroudsburg, Pa.—Two new and highly interesting catalogs have been issued by the Worthington Mower Co., and will be sent free on request. One catalog is on the Overgreen and Overlawn. Economy, versatility and non-packing features of the Overgreen are detailed in type and picture.

The other new Worthington catalog describes the Worthington tractor and gang mower. Low pressure, 9x15 rubber airway tires on the tractor are one of the new features. A number of other interesting innovations are presented. A rocker-dump-body tractor that also is a mower tractor is one of the 1934 high points of the Worthington line.

Complete and understandable information is given on the 1934 mower cutting unit, which is "stiffer and sturdier and cuts smoother."

The Park-Over power mower for estates, parks and cemeteries also is described in detail.

MOLE NUISANCE ABATED BY GRELLE TRAPS

Portland, Ore.—C. E. Grelle of Green Hills, Portland, has whipped the trouble-some and expensive mole problem with an ingenious trap that is becoming standard equipment with many golf clubs. For several years the Grelle trap has been in high favor with landscape gardeners and some of the western greenkeepers who have tried it.

Grelle has a leaflet, "Moles and How to Control Them" that will be sent free on request to any greenkeeper.

INTERNATIONAL HAS NEW STATION WAGON

Chicago, Ill.—The new International Model C-1 station wagon is an all-purpose, passenger and light-hauling vehicle, being especially adapted for use by country clubs, estates, summer resort hotels, etc. Since the seats are easily removable, this C-1

station wagon also lends itself as a convenient, speedy light-hauling unit.

The body is strongly built with a whiteash frame and has birch plywood panels, matched hardwood floor, and a matural wood varnish finish. A door on either side leading to the rear compartment gives easy access to center bus-style seats or rear full-width seat. A curtain at the rear rolls up, while side curtains snap on and are stored in a pocket behind the front seat



when not in use. Narrow corner posts and wide windshield facilitate clear vision. A body is also available without rear-compartment side doors and also with solid side panels and double-rear doors.

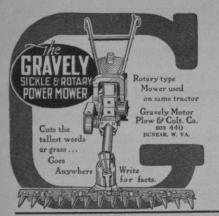
Chassis is the new Model C-1 ½-ton, sixcylinder International just announced. A sloping V-shaped radiator with polished stainless steel molding and satin-finish aluminum grille, deeply crowned and valanced fenders, streamline hood and cowl all help to make this new C-1 attractivelooking automotive unit. The engine develops 78.5 maximum brake horsepower at 3400 r.p.m.

GREENKEEPER IS INVENTOR OF SOD-CUTTER

Glenview, Ill.—Ed Haupt, greenkeeper of the famous Glenview CC, has invented a sod cutter that has been favorably commented on by other greenkeepers who have seen it in operation.

Of his device Haupt says:

"It is operated by two men and will cut sod at a more even thickness and with perfectly square edges, leaving the cut sod in perfect shape for a fast and ideal job of laying. The cutter will easily cut 2,000



Quickest

WHEEL SPUDS

All sizes for all purposes. Samples and circulars sent free on request. Advise make of tractor and purpose intended.

take off. Doubles traction. Durable and low priced.

put on

If your Ford or equipment dealer cannot supply, write direct.

Immediate shipment. Prices reduced.

Golf wheels and all Fordson parts on hand.

R. S. Horner, Geneva, O. GOLF WHEELS for FORDSONS



The R. H. Golf Wheels are stronger, rims do not bend, 50% better traction, easier steering, and rounded edges. Many clubs are replacing old wheels with these stronger and better wheels.

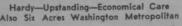
Sold in singles, pairs or full sets. Immediate shipment. If your Ford or equipment dealer cannot supply, write direct.

R. S. HORNER (Mfrs.) Geneva, O.

OLD ORCHARD BENT GRASS NURSERY

Largest Commercial Creeping Bent Nursery in the U. S.





P. O. BOX 350

MADISON, WIS.

square feet per hour, all the sod that can be handled. It is strong and durable, built entirely of iron, excepting the handles, and should last for years. It weighs only 60 nounds."

The price of the cutter is \$35, F.O.B.

Glenview.

SPALDING'S NEW BALL BOXES ARE SALES ART

New York City—New boxes for Spalding balls are striking examples of advertising and sales art. The designing and coloring is such that they help liven up the proshop and contribute to its appearance as a high-class merchandising establishment.

Spalding brands that have impressively attractive new boxes are: Tournament, Needled Kro-flite, Top-flite, Par-flite, PGA Black, PGA Championship and PGA Red. Both the dozen ball containers and the unit boxes containing three balls have handsome new designs.

DAVIS 1934 CATALOG FEATURES TORO LINE

Chicago, Ill.—George A. Davis, Inc., 5440 Northwest highway, has brought out its 1934 catalog of golf course, cemetery, park and estate equipment and supplies. Hundreds of items are included in the book, with particular emphasis on the Toro line of maintenance equipment.

"In taking the Toro franchise," Davis says, "We appreciated the excellent performance this machinery has given in the past to the host of users in this area and the many loyal friends it now possesses. We trust the trade will accord us the same spontaneous, enthusiastic response with the Toro line that we have been accorded in the past with our other lines of merchandise."

Copies of the Davis catalog will be sent to greenkeepers and green-chairmen, upon request.

MINE HOST'S HANDBOOK HAS TIPS ON LIQUOR SERVICE

New York City—Penn-Maryland Co., Room 1219, 52 William St., N. Y., has an excellent book of drink recipes and liquor and wine service pointers in a booklet called "Mine Host's Handbook."

The booklet will be sent to any club

official on receipt of 10c.

GARY MAN INVENTS OVERSPIN PUTTER

Gary, Ind.—Hartley I. Replogle is inventor, patentee and maker of a new "overspin" putter which has the top part of the blade set ahead to strike the ball above its center. The sole of the putter has a 5 degree angle away from horizontal to reduce

Your Budget is our Salesman

It's trying to tell you how to save money on your mowing costs this year. Take the last three letters of the word "budget," put 'em at the front— "get Bud(d)"! Could anything be more convincing? Write for details.

THE BUDD MFG. CO., Dept. G, Ravenna, Ohio

the tendency to hold to the turf. prices in steel and wood shafts are \$5 and \$4.

PATCH MATERIAL GOOD FOR OUTSIDE DANCE FLOORS

Philadelphia, Pa.-Stonhard Co., 401 N. Broad st., has a new patching material for broken wall or floor surfaces inside and outdoor. It is especially good for repairing outside concrete dance floors. Material is Stonhard Wallseal. It comes in powder form and is mixed with water to produce a stiff paste which is applied with putty or a knife and dries in 20 minutes.

A trial drum will be sent to well-rated

golf clubs for test purposes.

SECTIONAL STEEL DOCK FOR CLUB WATERFRONTS

Cedar Falls, Ia.-Standard Mfg. Co. has a new sectional tubular steel dock that is easily installed or dismantled at club or private water fronts. The pier units are quickly assembled with bolts, in widths for 2-, 3-, or 4-plank platforms. Price. safety, convenience and looks of the arrangement strongly recommend it. Complete details will be supplied on request.

CLASSIFIED ADS

Club officials may advertise here for a manager, professional or greenkeeper without charge. "Position Wanted" and all other ads are charged for at 10c per word, minimum charge \$2.50. Payment must be made in advance.

Reliable Greenkeeper with seventeen years' experience, nationally known club, wants new location due to club politics. Thorough knowledge maintenance and construction. Forty years old. Moderate salary. Address: Ad 2600, % Golfdom, Chicago, Ill.

For Sale or Lease—9 hole golf course, 53 acres, 5 miles from Coshocton, Route 36, established two seasons. John Hall, Route 4, Coshocton, Ohio.

Patents and Trade Marks—Patent, protect and profit by your inventions. Register your trade marks. For expert personal service, address Lester L. Sargent, Regist. Pat. Atty., 1115 K. St., N. W., Washington, D. C.



Write today for free illustrated Booklet of helpful hints on caring for greens and fairways.

DOUBLE ROTARY SPRINKLER CO.

206 Candler Bldg. Kansas City, Mo.

around walks and shrubs of clubhouse. Cuts 100 ft. of hedge in 20 min. Sells at half usual price.



FEEL AT HOME in Chicago ...

Stay in the TOWER of HOSPITALITY

From the Morrison tower you look down on the "busiest corner in the world"; but high up in the quiet, homelike rooms you are far away from noise and hurry. Deep, soft beds bring sound sleep. No other Chicago hotel gives as much at such reasonable rates.

> In the Heart of the Loop. Ony \$2.50 up with Bath.

MORRISON HOTEL LEONARD HICKS, Managing Director