



NEWS LETTER

Tenth Anniversary Number

"Whereas we find that in all lines of endeavor concentrated thought and action amongst men gathered together in the interest of any one vocation are of great benefit; therefore the object of this club shall be the advancement by co-operation of the interests and welfare of its members and the establishment of uplifting standards of dignity and skill among greenkeepers by co-operative education and training in the varied requirements of our profession and the education and training of employees under us in the various departments of our work."

from Constitution and By-laws.

FEBRUARY

1934

This NEWSLETTER is published monthly by the Greenkeepers Club of New England, and sent free to its members and their Greens' Chairmen. Subscription price ten cents a copy, or a dollar a year.

GUY C. WEST Editor
312 Mt. Pleasant St., Fall River, Mass.

HOWARD D. FARRANT Business Mgr.
132 Russett Rd., West Roxbury, Mass.

February, 1934

Vol. 6, No. 2

OUR TENTH ANNIVERSARY

In reporting the Tenth Anniversary celebration, we would prefer getting away from the editorial "we", and make this as a report of the Chairman of the Committee to all our members.

As planned, the anniversary was held at the Woodland Golf Club, Auburndale, Mass. on Feb. 5, ten years to the day after the first meeting which was the beginning of the Club. We were especially pleased at this anniversary meeting to have with us both of the two men who were the real organizers, Alec Bryce, now of the Aronomink C. C., Philadelphia, and Tom Fahey; also eight of the original nine organizers; and all the past presidents.

The menu provided by the Woodland chefs, under the able direction of Carl Treat, is worthy of mention:

Enlarged Hole Rims, Supreme
Cream of Fungus Soup
Green Balls Skinned Flag Poles
Rollers and Grease
Large Broiled Nursery Sod
Snow Mold Spuds "Nugreen" Peas
Hearts of South German Bent
Compost Dressing
Frozen Ant Hills, Covered with Humus
and
Frosted Divots
Worm Eradicator
Sprayed Brown Patch

Following dinner, a short time was devoted to serious commemoration, with short talks by Alec Bryce and Tom Fahey, and an anniversary tribute by

Secretary Charles Parker of the Belmont Springs C. C. Mr. Parker said in part:

"It is very doubtful if the nine men who met here ten years ago to-night and founded this Greenkeepers Club of New England thought much about, or even attempted to visualize, at that time, what the next ten years might bring. Had they done so I am sure that they would have been entirely satisfied with this picture, here before us all, as the consumation of their hopes and ideals.

"These men conceived, and have built courageously and well and what is of equal importance are still setting the example for us all to follow.

"We can best appreciate how the Greenkeepers Club of New England has progressed these past few years by quickly reviewing a few of the high lights.

"The early history of any organization is apt to be somewhat obscure. I believe the few facts I am giving are correct though. Previous to 1924 Alex Bryce and Thomas Fahey did considerable missionary work in introducing the idea of a greenkeeper organization. We must always remember the debt we owe these two men for theirs was the difficult task of introducing a new idea. In January 1924, Carl Treat and Frank Wilson meeting at a session of the U. S. G. A. G. S. picked up the idea and from the interest and work of these two sets of individuals came the meeting of the nine founders at Woodland, ten years ago this very night. From this meeting came the organization meeting of the Greenkeepers Club of New England at Cottrelle's restaurant in Boston on February 25, 1924. Since then regular monthly meetings have been held with the membership growing from 23 to 97.

"It is definitely a fact, proved by the fate of similar organizations that the Greenkeepers Club of New England could not have progressed and grown to the stature which it has had not its foundation been well laid with the corner stone of this foundation being what the Club has set up as its entertainment policy. This name is hardly apt for while it has conceived or cooperated in innumerable features which though they may be classed as entertainment have been and still are definite contributions to the profession of greenkeeping and to the promotion of golf.

Your Club introduced and subsequently co-operated in an annual outdoor equipment demonstration and show. Eventually, when this feature proved to be of questionable value, the Club in the face of strong outside opposition withdrew its co-operation and this type of demonstration has been entirely dropped. Your Club has always co-operated with the State Colleges of Rhode Island and Massachusetts and with the U. S. G. A. G. S. in their educational and experimental work for the improvement of golf turf. Three members of your Club serve on the Service Section Committee of the M. G. A., assuring you of direct representation before the officials of golf in Massachusetts. In the past ten years your Club has presented to you and to all who were interested an array of speakers on subjects directly connected or allied to the design, construction and maintenance of golf courses which I do not believe has ever been duplicated in any other part of the golfing world.

"The conception and ultimate production of a professional paper peculiar to this Club is a very outstanding feature. Your *NEWSLETTER* and its success can be laid directly to its first and only editor, Guy C. West, your recently elected President. I am not forgetting the Business Managers, first Marston Burnett and now Howard Farrant. Their work is not too well known, it is very thankless but nevertheless of decided importance. Just how large a place this paper fills I trust we shall never be able to appreciate for we cannot do that until it ceases to be published; and Guy we are looking to you never to let the light fail.

"To the three former Presidents serving on the Service Section committee of the M. G. A., James McCormack, Carl Treat and Frank Wilson, may I say to you, you have added in no small way to the stature of this Club. You are our representatives before the officials of golf, by precept and example you have brought nothing but credit and honor to us individually and to our profession. Accept our sincere thanks for the job that you are doing.

"The future of this Club is to be written and I shall not attempt to prophesy but may I offer this for your approval. What if the record of our first ten years was not so glorious, what if we were not as we are today, the most soundly conceived, strongest and most wisely administered greenkeeper organ-

ization in America; what if we were not all that we are, we are still set apart and unique for we number one among us who since the very beginning has been wrapped up in the well-being of the Club and the welfare of the individual members. One whose modesty is exceeded only by his record in green-keeping, and that is second to none. Whose loveable manner and sterling actions will be a guide and inspiration to us always. It is a rare privilege to convey this tribute to our Honorary President, the Dean of American Greenkeepers, John Shanahan."

An entertainment was provided by Herbert A. Clark and Miss June Newell of Waltham. Dancing was enjoyed until an early hour.

I should like to close this report with that little thought in verse, written by our gifted fellow committeeman, Carl Treat.

"How little did these nine men think
As they sat down to eat and drink
Just ten years ago, this very night
Of how much they were starting
right.

They that night sure did their best
To plan, organize, and all the rest
A good job they did, we'll all agree
For the club has grown in prosperity.
We offer now much homage due
To this little band—the chosen few".

LAWN MOWER GRINDING AND GRINDERS

At one of the Greenkeepers meetings a year or two ago, the question, "How often should lawn mowers be sharpened", was asked.

"Sharpening" as the word is used today, usually means grinding. Sharpening or grinding should not be resorted to any oftener than necessary, but when needed, the operation should not be deferred. To make the meaning of this clear, let us discuss lawn mowers for a moment.

A lawn mower consists of a revolving cutter assembly, called a reel, and a fixed shear blade, called a bottom knife, with the necessary bearings, frames, and drive mechanism.

The revolving cutters, or reel, are rotated above the bottom knife which is adjusted to lightly touch the revolving cutters. With these units in proper ad-

justment the lawn mower will shear the grass with a clean cut. If the correct adjustment of the revolving cutters and the bottom knife is not maintained, trouble develops.

Too loose an adjustment will cause the mower to tear or crush the grass instead of shearing it clean. Too tight an adjustment will cause rapid wear of the knives, bearings and drive mechanism, and place an unnecessary load on the tractor or man supplying the motive power.

A mower which will not hold its adjustment is in need of repairs. One of the most common troubles with lawn mowers is loose or worn reel bearings. No lawn mower can give satisfactory service with loose or worn reel bearings. The reel of the average mower revolves at approximately six hundred revolutions a minute. If the reel bearings are worn or need adjusting the reel will vibrate and wear the bottom knife with a series of waves or ridges. The vibration of the reel will also hasten the complete destruction of the reel bearings and cause excessive wear on the rest of the mower. In many cases the operator of a mower with defective bearings will resort to tightening the adjustment between the reel and bottom knife to remedy the trouble. This treatment makes matters worse.

Reel bearings are often damaged by failure to true up a blade in the revolving cutter assembly which has been sprung out of true. A bent or sprung reel blade can be quickly trued with a file so that it does not strike the bottom knife with unnecessary force.

The importance of proper adjustment of the knives, and the value of good reel bearings cannot be emphasized too much. Careful attention to lubrication and adjustments, coupled with reasonable care in using tractor units or hand mowers should make interseason grinding unnecessary.

It is good economy for any golf course to have all of its mowing equipment overhauled every winter. A lawn mower is used in all kinds of weather. The dampness from rains and heavy dews cause rust to form in places impossible to protect with oil or paint. In dry weather the grass is coated with dust and grit which works into the bearings and drive mechanism in spite of the efforts of manufacturers to make these parts dust proof.

Every lawn mower should be taken completely apart and all grease and dirt removed. While the mower is apart, the bottom knife should be replaced with a new one if badly worn. If the bottom knife promises to last another season it should be ground.

Make a practice of grinding both the front and the surface of the bottom knife. This is necessary to insure a true cutting edge. It is preferable to grind bottom knives after they are fastened to the bottom knife casting. Most of these bottom knife castings are slightly warped or bowed and this method of grinding assures a perfectly straight knife edge.

An automatic cupped wheel grinder with water cooling is the best type of machine for grinding bottom knives. This type of grinder was developed after the discovery that a knife will warp with very little heat, and as no grinder can work without generating heat, some means to remove the heat had to be provided on the grinder. This grinder, by means of a circulating pump, keeps a small stream of water running onto the knife during the grinding, protecting the temper and insuring straightness.

Many clubs which do their own labor work and reel grinding on their mowers may find it desirable to have their bottom knives trued at some shop that is equipped to do the type of grinding just described.

The grinding of the revolving cutters or reel may be done by several methods. Before grinding the reel, examine the reel bearings. Replace worn bearings with new ones, or if the mower has adjustable bearings, set them so that the reel will turn as free as possible without any end or side motion noticeable. The regular lawn mower grinding machines with the movable stone, or the type with the fixed stone and a traveling carriage, will do a very satisfactory job if the operator is careful.

Remember that a grinding wheel can remove a lot of metal in a short time. A number of light cuts with a grinding wheel will do a better job than one heavy cut.

Most mower manufacturers now grind the reels on an accurate cylindrical grinder which grinds all the blades in the reel assembly at once as the reel turns on its bearings.

Inspect the next new mower you see and you will observe that the reel

blades are not bevel ground; they are cylindrical ground. Fairway units should be ground by this method to get the best and longest service from them. A machine built for cylindrical grinding is too costly to be a profitable investment for a golf course, and as yet few repair shops have adopted this type of grinder.

The advantage of cylindrical grinding lies in the small amount of metal which is removed in bringing the reel into true, and in the absence of all danger of damaging the temper of the blades by overheating. Cylindrical grinding will become popular as it means longer, more satisfactory service from lawn mowers.

Putting green mowers should have their reels both cylindrical and bevel ground to assure light running.

As with bottom knives, clubs who use their own labor to overhaul mowers can have their reels ground by the cylindrical method at very reasonable cost, at shops equipped to give this service.

With a properly trued bottom knife and a cylindrical ground reel no trouble is experienced in adjusting the mower to shear along its entire length.

The Shop Manager.

RHODE ISLAND SHORT COURSE FOR GREENKEEPERS

The second annual Short Course for Greenkeepers was held at the Rhode Island State College from Jan. 29 to Feb. 2, inclusive. Some twenty greenkeepers from Rhode Island, Connecticut, and Massachusetts spent a profitable week, listening to the various lectures, and taking part in the discussions. Highlights of the week were a lecture on "Selection and Care of Trees" by A. W. Dodge of the Bartlett Tree Expert Co. and an afternoon on "Greenkeepers' Problems" with Kenneth Welton of the Green Section doing the talking for the most part. Other subjects offered included Soils, Fertilizers, Soil Tests, Grasses, Insect Pests, Diseases, Golf Course Machinery, Cost Accounts, etc.

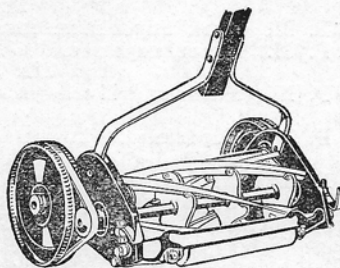
We shall endeavor to give more concerning the various subjects in this course in future issues.

In recognition of his ten years of service to his club, Frank H. Wilson, greenkeeper at the Charles River Country Club, has recently been elected to membership in the club.

BRECK'S

1934
SENSATION

The
Silent
Yardman



Spring

1934

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GOLF SECTION PROGRAM**Recreation Conference****Friday, March 16, 1934**

General Exhibition 9.00 A. M. to 10.30 P. M. Physical Education Bldg.

Special program for women: Movies, tea, bowling, pingpong,
bridge, entertainment—in Memorial Hall.**Golf Course Maintenance Division**

- 9.00 A. M. - 12 M. Inspect Exhibits.
 10.30 A. M. Park Superintendents. "Municipal Golf Courses from a
Park Superintendent's Viewpoint."
Mr. C. A. Hollister, Park Dept., Hartford, Conn.
 1.30 P. M. "Testing Soils for Nutrient Deficiencies."
Dr. A. B. Beaumont, Agronomy Dept., M. S. C.
 2.00 P. M. Park Superintendents. Special Program.
 2.00 P. M. "Greenkeepers and the Increase in Leisure Time."
Mr. Guy C. West, Pres. Greenkeepers Club of N. E.
 2.30 P. M. "Peats and Mucks in Golf Construction and Maintenance."
Dr. Dachnoski-Stokes, U. S. D. A.
 3.30 P. M. "Experiments in the Control of Brown Patch Disease."
Prof. North, R. I. State College.
 4.00 P. M. "Maximum Maintenance Capacity and Maximum Playing
Capacity of Golf Courses."
Mr. Casper McCullough, C. P. R. Golf Courses, Banff Springs.

Club Managers' Division

- 9.00 - 11.00 A. M. Inspect Exhibits.
 11.00 A. M. "Fundamental Facts About Meats."
Mr. R. C. Foley, Animal Husbandry Dept., M. S. C.
 3.30 P. M. "How to Know Safe Canned Foods."
Dr. C. R. Fellers, Hort. Mfg. Dept., M. S. C.
 Special Programs are Being Arranged for Park Superintendents
and by the Professional Golfers' Association.

Evening Program for Combined Sections

Chairman, Mr. C. Adrian Sawyer, Massachusetts Golf Association

- 7.00 P. M. Music.
 7.30 P. M. Mr. George R. Jacobus, Pres. Prof. Golfers' Assoc. of America.
 8.15 P. M. Mr. S. A. York, Commissioner of Conservation.
 9.00 P. M. Mr. Harris A. Reynolds, Sec. Mass. Forest and Park Association.

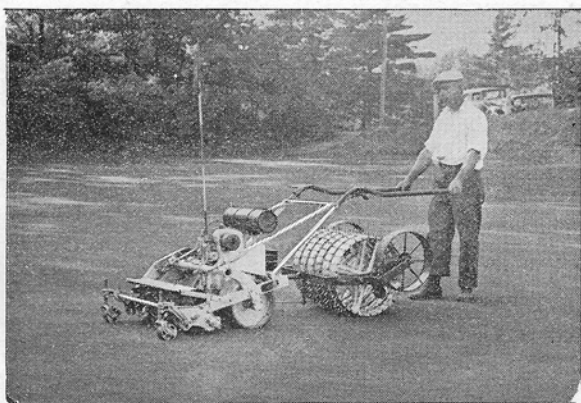
Saturday, March 16, 1934

General Exhibition 8.30 A. M. to 10.30 P. M. Physical Education Bldg.

Special program for women: Movies, tea, bowling, pingpong,
bridge, entertainment—in Memorial Hall.**Golf Course Maintenance Division**

- 8.30 - 10.00 A. M. Inspect Exhibits.
 10.30 A. M. "Influence of More Leisure Time on Golf Course Design
and Construction."
Mr. Walter B. Hatch, Golf Architect, Donald Ross Associates.
 11.00 A. M. "The Use of Golf Courses as Practice Slopes."
Kenneth D. Cuddebeck, Springfield Ski Club.
 11.15 A. M. "The Desirability of Winter Sports at Golf Clubs."
Dr. Ernst Hermann, Director of Sargent School.
 11.45 A. M. "Winter Sports and the Grounds Crew."

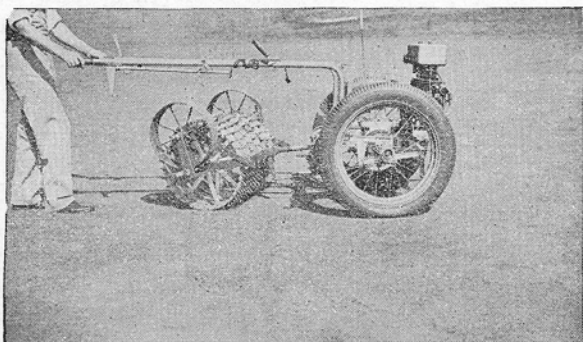
By a Greenkeeper.



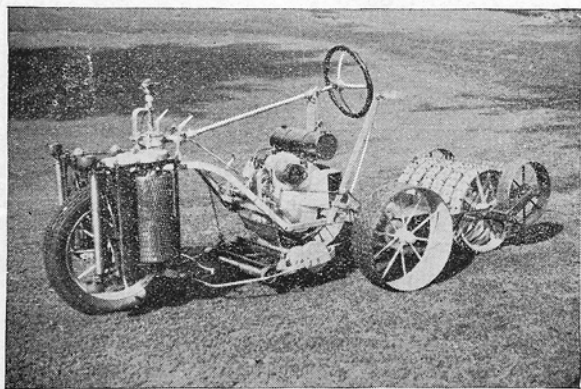
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Greens

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Inspect Exhibition

- 2.30 P. M. "Turf Maintenance and Appropriations vs. Appropriations and Turf Maintenance."
L. S. Dickinson, Agronomy Dept., M. S. C.
- 3.00 P. M. "Figuring Golf Costs."
Mr. Herb Graffis, Editor Golfdom.
- 4.00 P. M. "Sports Turf Requirements."
Mr. William Perkins, Supt. Yale Univ. Athletic Fields.
- 4.30 P. M. "Fly Casting as a Club Sport."
Mr. William Edson, N. E. Champion.

Club Managers' Division

- 8.30 - 11.00 A. M. Inspect Exhibits.
- 11.00 A. M. "Winter Use of the Club House."
Speaker to be obtained.
- 3.30 P. M. "Club House Foods Enhanced by Correct Use of Wines."
Mr. C. A. Ballou, S. S. Pierce Co., Boston.
- 4.30 P. M. "More Leisure Time. The Club Managers Opportunity."
Mr. S. G. Sleeper, Mgr. The Country Club, Brookline.
- Special Programs are Being Arranged for Park Superintendents and by the Professional Golfers' Association.

Saturday Evening Program

- 7.00 P. M. Music.
- 7.30 P. M. Mr. Herbert Joques, Pres. U. S. G. A.
- 8.00 P. M. Mr. James T. Hammond, Comm. of Conservation, Conn.
N. E. Rep. of Isaac Walton League.
- 8.30 P. M. Mr. R. C. Kenney, Mass. Director Fish and Game.
- 9.00 P. M. Winter Sports Talk.
- 9.30 P. M. Movies.

Sunday, March 18, 1934

General Exhibition Opens 9.30 A. M.

Special Program for Women in Memorial Hall.

- 11.00 A. M. "About Fairway Watering."
L. S. Dickinson, Agronomy Department, M. S. C.
- 11.30 P. M. "Two 15-minute Papers by Members of the Greenkeepers Class."
Subjects to be announced.
- 12.00 M. "A Discussion of American Grown Bents."

Afternoon General Conference Program

President Hugh P. Baker, Chairman

- 1.15 - 1.45 P. M. Music.
- 1.45 P. M. His Excellency Governor Ely of Massachusetts.
- 2.00 P. M. Mr. Charles H. Cross, President Mass. Golf Association and Mr. Francis Ouimet, Past American Amateur and open champion and Captain U. S. Walker Cup Team.
- 2.45 P. M. Mr. Paul Reddington, Chief, Bureau of the Biological Survey, Washington.
- 3.30 P. M. President Baker. A Summary of Conference.

THIS ADVANCE PROGRAM

represents one section of a Recreation Conference to be held at the College on March 16, 17, 18. Other sections include Fish and Game, Forestry, Landscape, and Outdoor Sports.

If interested, send for a complete Conference Program.

NEW ENGLAND GROWN

Winter-hardy, Acclimated

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New England Golf Courses

Direct from the farms of

A. N. PECKHAM

KINGSTON, R. I.

CYLINDRICAL GRINDINGHave your reels cylindrical ground:
They willWear Longer Last Longer
Have Fewer Nicks
Need Fewer Adjustments**Prices:**Fairway units completely overhauled
and painted \$10.00
(cylindrical ground)30" Reel only \$3.50
(cylindrical ground)30" Bottom Knife only \$1.00
(wetground)30" Reel and Bottom Knife
together \$4.00*We specialize in mower service,
and solicit your patronage.***POWER LAWN MOWER
SERVICE COMPANY**15 Tenney Court, Somerville, Mass.
Somerset 0504-W**GOLF COURSE FLAGS**

There is a vast difference in golf course flags. Material and workmanship are matters of vital importance to be considered if you want a flag to wear. Come in and let us show you our flags. They are made of the best grade Navy double warp wool bunting. They are made with numerals or without numerals, as you prefer. The numbered sets have the felt numbers sewed on both sides. Flags are finished with three hemmed edges to insure against tattering. The fourth side is heavily bound in White canvas, with three Brass eyelids and white tie strings.

Flags can be furnished in such colors as Red with White numbers, White with Red numbers, Orange with Black numbers, in fact, we shall be pleased to make up your flag to order for you in the color combinations of your club.

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Our Wool Bunting Direction Flags are made either triangular or rectangular in shape, in solid colors, or a combination of colors, as desired without numerals.

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Castor Pomace Chemicals***and***ARSENATE OF LEAD***write for prices.***M. F. LANSILL***Fertilizer Specialist***86 CHARLES RIVER PKY.
NEWTON, MASS.****Newton North 0992-M**

Recreation-Conservation Conference**Massachusetts State College****Amherst, Mass.****March 16, 17, and 18, 1934****INFORMATION FOR EXHIBITORS**

The purpose of the exhibition is to acquaint the conference visitors with the most recent commercial developments in playing and maintenance equipment, and to visually present technical information.

The College will arrange many technical exhibits, but relies upon those commercially interested to display the playing and maintenance equipment.

The commercial exhibitor will have an opportunity to display before a large group of really interested persons who are attending the conference because of its educational features. The exhibition offers a splendid place to meet prospective customers by appointment. The conference should attract at least 900 professionally interested persons. In previous years the golf section alone has averaged 400 visitors, and in addition 1800 young men and women of this institution and Amherst College.

This year the exhibition will be held in the physical educational building "cage". Size 178 ft. x 148 ft. and having a dirt floor. The daytime and night lighting of the "cage" is even and adequate.

There is no charge for exhibition space, and as far as possible the full amount of desired space will be given to an exhibitor.

Electricity (110 volt A. C.) will be furnished free, but all electrical apparatus must be approved by the college electrician and installations made by his men. The exhibitor will be expected to pay installation costs. There will be tables furnished for exhibits if desired.

The making of sales is expected, but as this is an educational exhibition, without space charges, aggressive salesmanship would be out of order, and the forming of "parties" that will detract the visitors from the conference program will be very unethical.

As in past years, all advertising literature will be assembled on a group of tables, arranged as part of the exhibition, and the only place such literature will be distributed from. It is very desirable that this suggestion should be

fully supported, as past experience has proved it to be very successful from both the visitors' and exhibitors' viewpoint.

The "cage" will be open to receive exhibits on Thursday, March 15, and it is necessary that all material should be removed by noon, Monday, March 19.

The exhibition will be under the immediate direction of Mr. Marston Barnett acting as manager, and to whom all inquiries should be made upon arrival of the exhibitor.

(Signed)

The Committee.

Received at the Tenth Anniversary party—"Kindly convey to the Greenkeepers Club of New England my congratulations on their tenth anniversary celebration. Your Club is a credit to New England and has been a great help to Golf. Regret I can not be with you."

Signed:

Chas. H. Cross,
President, Mass. Golf Assoc'n.**Received from two of the Ladies since the Celebration**

"Don't you think that something should be put in the *NEWSLETTER* in reference to the wonderful time had by the ladies at the recent party? While I am not taking it upon myself to speak for everyone, certainly the ones with whom I spoke that evening said the same thing, that the Greenkeepers Club had given us a very fine party, and I hope that we will not have to wait ten years for the next one".

"I would like to thank the Greenkeepers Club through you for the very pleasant evening at the Woodland Golf Club celebrating their 10th anniversary.

It was indeed in my mind a most successful affair, and I trust that the Club may have another such gathering before February, 1944".

A bulletin of interest which has recently come to our attention is Circular No. 290, August, 1933, of the U.S.D.A., "Grades of Peat and Muck for Soil Improvement" by Dr. Stokes.

Visit the Greenkeepers Club booth at the Recreational Conference. Let us know you are there.

MR. GREENSKEEPER

DO RESULTS AND YOUR JOB GO TOGETHER?

This year don't risk it through buying "low priced" seed. You can't afford to economize that way.

For 65 years the Emerson Company has made it a practice (ingrained with the years) to give you only the best. If any criticism was to be had, usually a competitive one, our price was high. But year in and year out we've never "cut corners" on our customers (merchants or Golf Clubs) by offering less than the finest we could buy, and Emerson's purchasing power is second to none of them.

Don't wait for our spring prices. Write us today about your requirements (estimated or otherwise) and let us tell you our story in a personal way.

THOMAS W. EMERSON CO.

BOSTON, MASS.

"New England's Largest Wholesale Seed House"

THESE IMPROVEMENTS ON FAIRWAY MOWER UNIT

Decrease Scalping—Cut Down Parts Wear—Make Knife Adjustment Easy

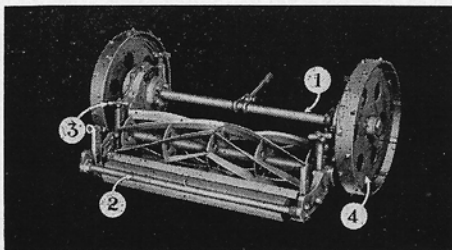
Axle (see No. 1) is larger, stronger. Back of the roller has been added a sturdy tie-rod (see No. 2). No twisting possible.

This new Worthington Fairway Unit scalps less than any other. We can prove it to you.

In addition to our usual quick-acting hand-shift for the gears (see No. 4), our new Unit is now equipped with one for the cutting knife (see No. 3). No fussing with wrenches. Just a turn of the hand-wheel. Self-locking in any position.

Offer on Scout Overgreen

We are still stubbornly contending and effectually proving, that our Overgreen Power Mower will pay for itself the first year, in savings. In fact, if the savings don't pay for it, you needn't. Write for full particulars.



None but the Worthington Unit is equipped with the herring bone reel blade. The alloy steel blade stays sharp longer. Lasts longer. Does not nick out.

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GOLF EQUIPMENT

It Pays to Standardize on Standard. Plan your improvements now—while present low prices for Standard equipment are offered. There has been no price increase in the Standard line (with exception of Flags) so **Buy Now**.

HOLE RIMS



Scientifically designed, cast in one piece. Absolutely true, correct size. Strongly reinforced—slightly tapered for ease in inserting and extracting. Will not rust, corrode—many other exclusive features.

Price

Aluminum \$2.00
Cast Iron \$1.00

FLAG POLES

Special steel, seamless tub, thoroughly galvanized and reinforced at bottom. Aluminum ferrule. Equipped with special brass Flag fastening rings, or with swivel if desired. Red and White, or Orange and Black. 8 feet long $1\frac{1}{2}$ or 1 inch ferrule. Furnished $1\frac{1}{2}$ ferrule, unless otherwise specified.

Price

Flag Poles—each \$2.00
Duralumin Swivel, extra \$0.25

PERMANENT ALUMINUM SIGNS



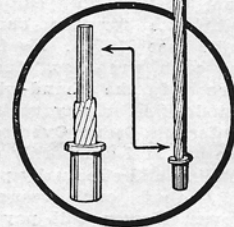
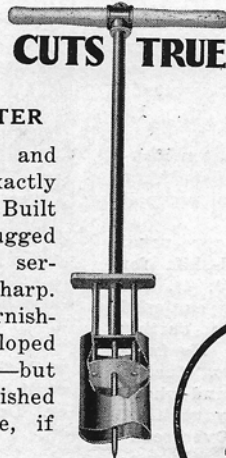
Signs for every purpose—made from cast aluminum. Will not rust, discolor, corrode, or tarnish. Will give years of perfect service . . . Yardage Markers — “Do” and “Don’t” signs — Tee Markers — Direction Signs.

Special Sizes.
Prices on Request.
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