



NEWS LETTER

*He who neglects the present moment
throws away all he has.*

—Schiller.

APRIL

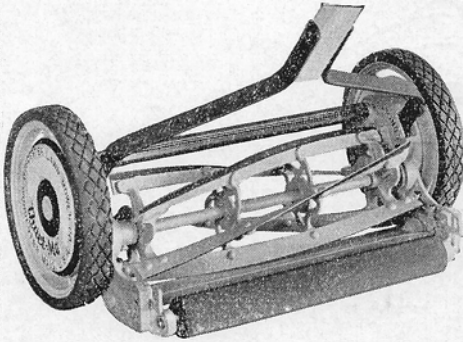
1939

WORCESTER

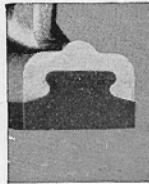
LAWN
TESTED



QUALITY
MOWERS



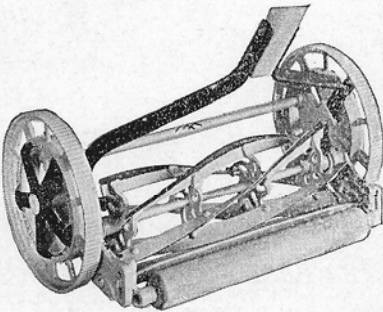
"Quiet-Mo" DeLuxe



A high quality mower throughout. Perfect for tees and approaches due to its lightness of weight and strong construction. Full clincher rubber treads on the drive wheels provide much better traction. An overhang built on the outside of the rubber covered drive wheel protects the wheel of the mower against breakage. These tires cannot slip nor come off in service. The roller and front tie-rod or shrub bar are rubber covered and the rear roller is carried on ball bearings, making it especially free running and quiet. Specially treated steel blades to give hard service. 10" Drive Wheels. 5 blades.

PRICES ARE LOWER

Width of Cut	15"	17"	19"	21"
Weight	43	45	47	49 Pounds
Price	\$17.25	\$18.25	\$19.25	\$21.00



"Quiet-Mo" Junior

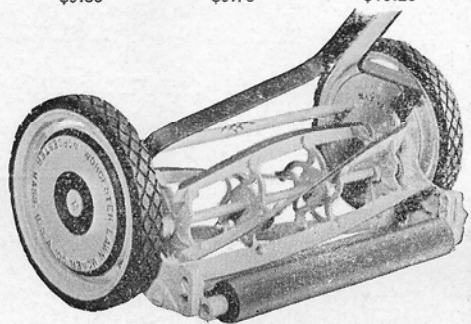
Similar to the "Quiet-Mo" DeLuxe but of a little lighter construction and more adapted to general purpose and household use. A remarkable quality at the price. 5 blades, ball bearing construction.

14"	16"	18"
\$9.35	\$9.75	\$10.20

"Invincible"

A high quality mower at medium price. Especially adapted for general trimming. First quality blade steel and lipped edge bottom knife. 10" wheels. 5 blades.

14"	16"	18"
\$7.40	\$7.65	\$8.10



New England Toro Co.

DISTRIBUTORS FOR NEW ENGLAND

1121 Washington St., West Newton

— WEST New. 1658

Standardize on Standard

Never before in the history of golf has the selection of proper course equipment been so important as it is this year—and, prices are extremely low if you buy now.

"One-Piece" Putting Cups

Scientifically designed—absolutely true and correct size—strongly reinforced—slightly tapered for easy insertion or extraction—carefully finished—will not rust nor corrode.

Price—Aluminum Pattern \$1.75 Each
Price—Cast Iron Pattern \$1.00 Each

"Quality" Flag Poles

Special galvanized steel, seamless tubing—aluminum ferrule—brass flag fastening rings or special swivel—finished in Red and White or Orange and Black.

Price with Flag Rings \$2.00
Price with Flag Swivel \$2.25

"Cuts True" Hole Cutter

Cuts clean and sharp—exactly right size—built for years of service.

Price with Saw Tooth Edge \$8.00
Price with Plain Edge \$8.00
Price with Scalloped Edge \$8.00

Divot Repairer

Seamless hardened steel cutting shell—sharp cutting edge—cuts uniform plug 2¾" x 5½".

Price \$9.00

Turf Repairer

Hardened steel shell with keen cutting edge for cutting 8" plug.

Price \$12.00

Cup Setter

Cast aluminum with wooden handle—sets cup proper depth from top of hole—levels cup edge.

Price \$2.00

Agrometer

Enables you to turn Greens upside down—shows the soil structure to a depth of 12". Made of seamless tubing.

Price complete with directions \$3.00

Aluminum Signs and Markers

Will not rust, discolor, corrode or tarnish. A sign for every purpose.

Price, Direction Signs, any wording \$ 5.00
Price, Parking Signs, any wording 8.00
Price, Entrance Signs, any wording 12.00
Price, Rule Signs, any wording 3.50
Price, Tee Markers, any wording 1.75
Price, Green Markers, any wording 1.50
Price, Yardage Markers, any wording 1.75

New England Toro Co.

DISTRIBUTORS FOR NEW ENGLAND

1121 Washington St., West Newton

— WEST New. 1658

When writing, mention NEWSLETTER.

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

GUY C. WEST Editor
Rhode Island Country Club
West Barrington, R. I.

GEORGE J. ROMMELL, JR.
Business Mgr.
54 Eddy St., West Newton, Mass.

April, 1939 Vol. 11, No. 4

Contributing Editors

Homer Darling R. A. Mitchell
Howard Farrant Charles Parker
Frank Wilson

The ideas and opinions expressed in the subject matter of this NEWSLETTER are not necessarily those of the Editor or the members of the club as a whole.

SERVICE SECTION DINNER

The annual dinner meeting of the Service Section Committee of the Massachusetts Golf Association and the Greenkeepers Club of New England was held at the Brae Burn C. C., West Newton, Mass. on Tuesday evening, April 4th. Chairman Harry Hood of the Service Section Committee officiated as toastmaster. The principal speaker was Dr. O. J. Noer, who spoke of the trying conditions experienced on many golf courses this past season, and showed colored slides to point out many of the troubles.

The Library Committee, with the cooperation of Director Koon of the Waltham Field Station, has available for free reference to our members the following books:

New Manual of Botany—Gray.
Fertilizers and Crops—Van Slyke.
Manures and Fertilizers—Wheeler.
A Text Book of Grasses—Hitchcock.
Weeds—Walter Conrad Muenscher.
Plant Breeding—Bailey & Gilbert.
Manual of Grasses of the United States—U. S. D. A.

These books may be borrowed by our members for a period not exceeding a month, by application to the Field Station. Other books will soon be made available.

DOWN OUR WAY!

(A 1939 Conference Paper)

by H. T. Islieb, Supt.
Springbrook C. C., Morristown, N. J.

You have heard that old one about New Jersey, that the mosquitoes are so big they just take one along on their rounds; but then with all of their faults, these pests do have a few good points, including the hum and drill rods they carry along with them, they do quit buzzing around in the fall of the year.

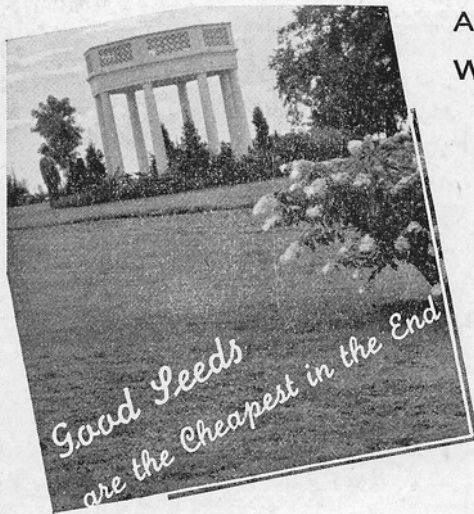
Whereas those Jap beetles, we in New Jersey had left on our fair shores, their progeny go right on getting nice and fat in the fall. But here is where Dr. B. R. Leach, who experimented with these nice fat grubs at Riverton, put one over on the beetle. He continued to work with lead arsenate so long that the control measure cost came within the reach of most everyone. The folks who wanted to save what good grass they had, applied lead arsenate. Now the loafer grubs are going to their Happy Hunting grounds in the fall, or are turning into Japanese beetles in the spring so they can get out of Jersey and find better feeding ground.

But getting down to bed rock, we must give Dr. Leach credit for his work in this field, his findings are being used as a basis for beetle control wherever they have found a foot hold.

I can assure you that we folks down in Jersey have our hands full trying to keep them down. It has put a tremendous added financial burden on all of our golf clubs. It is one of those absolute musts:—if the club members wish to continue playing golf. Otherwise they just roll up the turf on fairways and greens and call it a day.

We do have a bit of good fortune down in Jersey, that is having such a fine experimental station at New Brunswick, and an enthusiastic staff of men to man it. These men dig into things and along with digging in, take time out to pass along their findings at the Turf Short Courses which are given in the early part of February.

The amount of material they present during the period of these courses keeps those attending right up on their toes. I might add:—that every member of the New Jersey Association has attended some of these Courses.



ARE YOU SATISFIED WITH YOUR TURF?

Here's REAL help for you!

Woodruff **knows** New England soil—has met all the problems it offers in different localities.

Woodruff knows what grasses thrive best under particular conditions—knows, also, the most satisfactory methods of caring for them.

Woodruff continually experiments with New England turf-raising problems—both in the laboratory and on the Proving Grounds.


In a word—Woodruff knows New England. And all of this experience is yours for the asking. Let Woodruff's unparalleled acquaintance with local conditions help you grow better turf. Write today.

Specify

Woodco
Brand grass seed

GRASS SEED DIVISION

F. WOODRUFF & SONS Inc.

MILFORD, CONN.  TOLEDO, OHIO

THE SIGN OF GOOD SEEDS

NEW ENGLAND DISTRIBUTORS OF

TORO Power Mowers—Gang Mowers—Hand Mowers
Tractors and Gang Mower Combinations of 3-5-7 Units
Rollers—Spikers—Sod Cutters—Soil Screens

BUCKNER — Fairway — Tee — Green Sprinklers and Valves
Milorganite — Netco 8-6-2 Putting Green — Fertilizers

FRIEND Power Sprayers — **McCLAIN** Hand Pressure Outfits

LEWIS Tee Equipment — **STANDARD** Green and Tee Equipment

WORCESTER Lawn Mowers — **PEERLESS** and **CARPENTER** Grinders
Antube — Arsenate of Lead — Brown Patch Preventatives

Hose — Poles — Tools — Fertilizer Distributors — Seeders
Hose — Markers — Ball Soap — Burners — Sod Cutters — Towels
Grass Seeds — Special Mixtures — Certified Bents

New England Toro Co.

DISTRIBUTORS FOR NEW ENGLAND

1121 Washington St., West Newton — WEST New. 1658

—Say you saw it in the NEWSLETTER—

Dr. Sprague, who is a sort of Granddaddy to the men who have attended the Courses, has a sympathetic ear into which a lot of woes and worries are poured. And that good bedside manner of his handles the patients very well too.

His able helper in the early days was Dr. Evalul; Ed to the gang. Ed's ability to take research findings and translate them into every day golf course maintenance practice, along with that habit of saying in the fall of the year, "Boys, how is the mercury residue in your Greens, do you think you have enough to carry you over to avoid snow mold?" Just one of his habits of not leaving any more to the Gods of Chance than he can help. Rather than chance it, he does it. These and many other things have made Ed one of us, with us.

Mr. Longnecker came right along the same path with his handy smile and a word of good cheer, giving them when they are badly needed. He certainly has helped to sort of smooth off the rough corners.

When the men at New Brunswick had some spare time they picked out individual grass plants from the various turf plots, gave them the third degree, and those which came clean after this were given a sort of survival of the fittest test. The good qualities of various strains of Velvet Bents were incorporated into a fine new Velvet Bent. A pound of this seed was offered as a prize for a good name. When Raritan Bent popped up, they could not help themselves, you know:—"On the Banks of the Old Raritan."

This brought an unnamed grass to the point when a christening was in order. Raritan Bent can safely be called a Jersey Baby, which up to the present certainly looks like fine and healthy turf, that can take it and like it.

This Jersey State of ours has some drawbacks, including mosquitoes and Japanese beetles, but there are a lot of good things about it too. Take the Northern portion—here we find mountain climbing, here too we find fine hunting and fresh water fishing in the lakes and streams. When Old Man Winter settles down to business, you can use your snow shoes and skis, do some figure skating and play hockey. From here you can, over some of the finest highways in the country, drive down to the Southern part of the state, where snowshoes or skis do not sell very well, but there you can hunt a few deer and do some

salt water fishing. Coming up through the state to the central part you will find some of the best fruit, potato, tomato, and chicken farms.

We have a Fish and Game Commission which does a thorough job of stocking our lakes and streams with bass and trout. In the fall they turn out thousands of pheasants, quail, rabbits and other game for the sportsman to go after. This same fellow uses the summer months to train for the walking he must do, by playing golf,—and does he play golf?

There are some one hundred forty-nine Golf Courses scattered throughout New Jersey, from the large well known thirty-six hole layouts, to the small nine hole courses. These all have their own individual maintenance conditions.

The soil varies in texture too, there being one hundred ninety-three different soil types found throughout the State varying from pure sand along the shore line and southern portion to shale in the middle and middle west. The fine silt clay and blue stone is found in the northern section. When most of the golf courses were built, the architects and club officials did not as a rule pick out a good piece of land to build a course on. It was believed that any kind of soil would grow grass, with maintenance costs unconsidered. These things not being considered in their due prospective have added to our woes and worries. Then, too, the climatic conditions are variable to extremes all over the State. To try to formulate rules to govern the maintenance practices on golf courses in the State of New Jersey even when situated within a few miles of one another just simply would not work.

The maintenance budgets on these golf courses vary from the club with ample to the one with but a small amount and those in between. In all cases the Superintendent in charge has had his problems during the past few years; some of which are due to the curtailment of funds and the subsequent drainage by plants of the soil reserves, to those of added infestations of either fungi or bugs.

The variable weather has still further drawbacks, particularly when considered from the angle of play. Our courses are played on throughout the year when not covered by snow. This play is particularly heavy in early spring when the soil is still saturated with water. The packing of soil surfaces which our fairways

PREMIER BRAND PULVERIZED POULTRY MANURE FOR FINER FAIRWAYS

When mixed with compost material intended for late Fall topdressing, or applied on FAIRWAYS at the rate of 500 to 750 pounds per acre will produce a fine healthy turf. On very heavy clay soils a similar application in the late Fall will give the Fairways a quick start the following Spring. Where possible it should be drilled into the soil.

Greener Greens

For late Fall and early Spring, dressing of Putting Greens, use about five pounds of Premier Poultry Manure per 100 square feet of surface.

Guaranteed Analysis:

Nitrogen—5.00%; Total Phosphoric Acid—2.75%; Potash—1.30%.

BRECK'S

85 State Street—Boston, Mass.
—Seedsmen Since 1818—

VELVET BENT GRASS SEED

The finest of all turf grasses for
golf greens.

Strains for sale: **Emerald & Raritan**
1938 crop now available

Purity—95%, Inert matter—4%,
Other grasses—0.1%,
Germination—85%.

Inquire of your seed dealer, or
write us directly.

Emerald Farm

Newton

New Jersey

(Growers of Velvet Bent Grass Seed)

WINTER HARDY—ACCLIMATED
RHODE ISLAND
CREEPING
VELVET

BENT

GRASS SEED

and Fairway Mixtures

of highest quality for lowest price that
seed of equal quality can be offered.

NATURE HAS WRITTEN A PRE-
SCRIPTION for your course. Right
here in southern New England is the
natural home of the entire family of
the Bent grasses, the principal member
of which, namely R. I. Bent, derived
its name from this, the smallest state
in the union.

You can grow NATURE'S OWN IN-
SURANCE into your turf by using
FRESH, VIABLE seed which grows in
YOUR latitude in YOUR country.

SAVE for your club: Buy your seed
direct from the grower.

A. N. PECKHAM
KINGSTON RHODE ISLAND

and greens receive with this play does considerable harm. The area surrounding cup and the walk off from the green to the tee particularly, carry the scars of this play well along into the summer months. The exclusion of air from the soil keeps the grass roots close to the surface where they can find that necessary element to plant nutrition. Being close to the surface they naturally are more susceptible to the sudden changes of weather that are encountered during the early part of the year. This breaking down of plant resistance does not ease our maintenance problems nor do the foot marks left on the other areas of the greens by both players and caddies help smooth them out.

To further emphasize our variable weather, compare the conditions here in the New England area with that of New Jersey. During the latter part of July and the first part of August of last year we had a week or more of rain, then when the soil was just about as wet and soggy as rain water could possibly make it, with water lying on the surface, Old Sol pokes out with a hot smile, that kept getting hotter with no breeze of any kind to temper the heat a bit or drive away the heavy air formed by too rapid evaporation. The result was a condition of Mercury toxicity. Brown patch with a bang, scald with a louder noise came with no partiality shown between greens or fairways. Did turf disappear? Almost like snuffing out a candle; the "No waiting" sign was out, and it sure meant what it said. To make conditions worse, the weather man sent us a lot of dry hot days just to make a good job of cleaning up the remains, no cool nights or breezes to help, just hot and getting hotter.

That golf courses still exist in any sections having had such unfavorable conditions, is due entirely to the ability and resourcefulness of the superintendents in charge.

How these men had to put their shoulders to the wheel and keep on to get those greens, tees and fairways into playing condition again! Their accomplishment merits them a word of praise. Their club officials and members did not hesitate to give it in a whole-hearted manner.

Although our late fall was favorable to turf, we are still wondering how much of a hang-over we shall have for 1939.

Down our way we believe in the old saying that two heads are better than one, even though they are block heads. We get together, exchange ideas, do not hesitate to ask for advice or to give it, nor to help one another wherever or whenever possible. On this basis our organization was started, with the idea of mutual help.

It was this idea that bred the Turf Short Courses. It was the same idea that brought about the enlargement of the Experimental Turf plots at New Brunswick. A few turf plots had been started at New Brunswick in 1923. These were enlarged, gradually, to their present extent, by 1928.

Dr. Lippman, Dr. Sprague, and Dr. Evald were eager to help us with our problems in New Jersey. They were as anxious to try to answer the Golf Course Superintendent's questions as he was to have the answers. Both knew that together they would be able to discover some of the answers in a reasonable length of time. Working alone, the answers would be found at too far distant a time to be of help. The cooperation between the men at New Brunswick and the New Jersey Association of Golf Course Superintendents has always been of the closest.

The establishing in 1929 of the Turf Service by the Station was a long step forward. This service at first was supported by the Station, but in 1933 it was put on a self supporting basis. This service brought to the superintendents and their clubs the benefit of laboratory findings and the other field services at a very moderate cost. The value of these services are further increased to the clubs through the ability of the superintendents to translate them into everyday maintenance practices.

With some of our problems at least partially taken care of, a feeling of being better able to cope with our sometimes desperate situations was created. From here the individual began to realize the significance of selling himself and the organization to the clubs and their members. In this, the New Jersey Association of Golf Course Superintendents has made definite progress. We find the Club Officials asking about our organization, paying tribute to its standing and cooperating with us to a far greater extent than a few short years ago.

Some of our members have further increased this feeling of cooperation by



WRITE TODAY
 for your copy of
 the 1939 Penn-
 sylvania Catalog.

**ON MOWING EQUIPMENT
 YOU SHOULD HAVE**

Here's something that should be in the hands of every greens chairman and every greenskeeper before he makes the selection of any piece of new mowing equipment.

The big, new 1939 Pennsylvania catalog pictures all the models of Pennsylvania Fairway units and Greensmowers with illustrations and descriptions of their outstanding features. The catalog also contains information on mowers for supplemental trimming around the golf course.

Remember — good conditioned grass means more satisfied members. More satisfied members mean more revenue. So get the *facts*, send for the new catalog today.



PENNSYLVANIA
 LAWN MOWER WORKS
 PRIMOS PENNA.

Supplementary Catalog
 on Golf Course Mowers

DISTRIBUTORS

JOHN J. NYHAN 120 Cypress Street, Brookline, Mass.
 WOODWORTH BRADLEY, INC. 131 Dorrance Street, Providence, R. I.

the giving of their time to the people in their community who wish to have their lawns and shrubbery well kept. In other words, in making home surroundings a place of beauty. The superintendent has been called upon for advice and help, which he has given freely, thereby creating a measure of respect, both for himself and his profession.

As an example of how far this spirit can go, one man has had the experience of having the players on his course stop and ask his advice on the purchase of articles entirely foreign to turf, its requirements, or to trees and shrubbery. When folks do these things you can rest assured, respect for the man and his judgment has been created. Once created this respect will carry on during the trying days of hot, humid weather, with water saturated turf, being literally cooked alive while waiting for unforeseen results. A time when respect for and confidence in the man's ability are sorely needed.

These things in the long run all add up to the spirit back of organization and our aims for our own organization.

The organization aims, through publicity in various ways to further bring its members, their work, and accomplishments, to the attention of golfers and aspiring golfers.

The organization aims in various ways to show the golfer that golf is a **game** not a **battle**. When the player reaches the point, where he makes golf a game not a battle, a few more of our headaches will disappear.

The organization aims to keep abreast of new developments in course maintenance throughout the year, and is fortunate in having Dr. Sprague, Dr. Evaul, Dr. Hamilton, and Mr. Longnecker as members. Best of all, these men do attend meetings and the members feel that they can ask questions of them and know they will receive the best possible answer to their questions.

The organization aims to bring to its members something beside talking shop. So, occasionally, we have men to talk on various subjects which are not directly connected with course maintenance.

The members of the New Jersey organization have long realized that the problems of maintenance are not the only problems found in or around a Golf Club. In realizing this and having an understanding attitude toward other problems confronting the club officials,

he again creates a feeling of good will and in turn acquires a broader view point of his particular spot.

We have during the past year sponsored several meetings at extreme ends of the State, to which the public was invited. We cannot say that these open meetings were entirely successful, but we do feel that some valuable experience was gained from these efforts.

We have been fortunate in the past to have a very active Educational Committee which has been very successful in its efforts and is now planning bigger and better things for the coming years.

A membership survey is being planned by the New Jersey organization, a history so to speak of each member, his services to clubs, his services to the organization, and other items which will enable the organization to give the man his proper due, should occasion demand it.

You may understand that we do have a few problems. The club officials are faced with the problems of competition for members and high taxes. The man on the outside has to worry over such trivial things as drainage, chinch bugs, sodweb worms, Japanese beetles, and our old reliable brown patch. But we do look forward to meeting-day and also to the time when meetings will be held in other nearby sections outside of our own state.

Meeting other groups, learning their problems and what they have done to solve them, getting better acquainted with the other fellow's hopes and aspirations aside from our own, will make us realize that the old saying is well put, "A rolling stone gathers no moss but does gather a high polish."

By closer contact with men from other sections at frequent intervals, we all gain something which does not come either out of the classroom or from text books.

"Big fishes eat little ones, such as sardines."

"How do they get them out of the cans?"

—Anon.

"Why can't a girl catch a ball like a man?"

"A man is much bigger and easier to catch."

—Anon.

GREENKEEPERS CONFERENCES

During the last three weeks of March, on Tuesday and Friday evenings, the Greenkeepers Club of New England, with the Waltham Field Station co-operating, presented a series of evening classes in practical greenkeeping, open to members of the club and their assistants. The purpose of these classes was to provide instruction for greenkeepers whose duties prevented them from attending any of the so-called Short Courses for greenkeepers at the various colleges. An average of about forty attended these classes. The committee in charge consisted of Howard Farrant, Chairman, Lloyd G. Stott, and Guy C. West, of the Club, and Director Koon of the Station.

The program was as follows:

SOILS

Tuesday evening, 7:00 o'clock
March 14

Discussion led by Prof. Robert E. Young, Waltham Field Station, M. S. C.

Turf Troubles in 1938, Dr. O. J. Noer, Milwaukee Sewage Corporation.

GRASSES

Friday evening, 7:00 o'clock
March 17

Discussion led by Dr. J. A. DeFrance, Rhode Island Experiment Station, and Prof. F. A. McLaughlin, Seed Testing Laboratory of Massachusetts State College, Amherst.

Greenkeepers participating: Lloyd Stott, Meadowbrook Country Club; T. W. Swanson, Bear Hill Golf Club; Leslie Wildgust, Winchester Country Club; and Robert Mitchell, Kernwood Country Club.

LANDSCAPING THE GOLF COURSE

Tuesday evening, 7:00 o'clock
March 21

Discussion led by Prof. Harold S. Tiffany, Waltham Field Station, M. S. C.

"Tree Repair and Restoration". Dr. Malcolm A. McKenzie, Massachusetts State College, Amherst.

"Further Ideas on Improving the Appearance of the Golf Course". George Rommel, Wellesley Country Club.

ONE OF AMERICA'S LARGEST HUMUS DEPOSITS

20,000 Yards of Pure Humus, No Muck, Aged, Wintered and Above Ground, Ready For Shipment. A U. S. Government Certificate with every load, guaranteed free from Japanese or Asiatic Beetle.

ANALYSIS

ORGANIC MATTER	89.8 %
ASH	10.2 %
	100.0 %
POTASH	9.80%
LIME	4.95%
AMMONIA	2.95%
NITROGEN	3.02%
PHOSPORUS	6.30%
P. H. VALUE (Acid)	5.5 %
WATER ABSORBING ABILITY	82.00%

TESTED BY

MASS. AGRICULTURAL COLLEGE
CORNELL UNIVERSITY
N. J. AGRICULTURAL COLLEGE
UNITED STATES GOVERNMENT

Highland Humus Corp.

HIGHLAND, N. Y.

New England Solicitor:

J. WHITEHEAD Cromwell, Conn.

MANAGERIAL PROBLEMS

Friday evening, 7:00 o'clock
March 24

"Trends". Adrian Sawyer, Jr., Braeburn Country Club.

"Labor". Homer Darling, Juniper Hill Country Club.

"Reports, Cost Records and Systems". Guy West, Rhode Island Country Club.

"Relationships and Responsibilities". Charles W. Parker, Wianno Country Club.

EQUIPMENT

Tuesday evening, 7:00 o'clock
March 28

Discussion Leader, Howard Farrant, The Country Club, Brookline.

Dealers, Orville O. Clapper, Chester Sawtelle.

"Conveniences and Contrivances". Earl A. Polhamus, Charles River Country Club.

TURF INSECTS AND DISEASES

Friday evening, 7:00 o'clock
March 31

Discussion led by Prof. W. D. Whitcomb and C. J. Gilgut, Waltham Field Station, M. S. C.

TALKS ON TREES

By E. Porter Felt

Bartlett Tree Research Laboratories
Stamford, Conn.

Spring is just around the corner and with it comes insistent demands for tree care.

The season of 1939 in New England at least is widely different from any other in recent years so far as tree needs are concerned. Literally millions of valuable trees were greatly damaged by the storm of last September. More of that injury may become evident in the next few months. A large proportion of the more highly prized trees in the areas where the storm was most severe have weakened or broken branches. They need pruning to lessen the probability of later invasion by wood rots. Some ninety per cent of the storm damaged trees had been weakened by wood rots.

Many of the trees which escaped destruction by the hurricane have limbs which would have been torn off or broken if the blast had come from a different direction. It is comparatively easy to locate such branches and to make them secure with cables or wood screws, thus greatly reducing at small expense the probability of serious damage in the near future by ice or wind storms.

Evidently a large proportion of the trees blown down had inadequate root systems. The more highly prized trees, those which are 100 or possibly 200 years old, are certainly worth feeding to induce a deeper and more extended root system thus giving the trees a firmer hold upon the ground.

It is true that shade trees can be replaced by planting. Many fail to realize that it takes 50 to 100 years to grow a really satisfactory tree. It follows, so far as the present generation is concerned, that the trees now standing, rather than those to be grown in the next half century, are the ones that will give the greatest satisfaction.

Trees which have been pruned, braced where necessary, fed and sprayed, made a much better showing in the hurricane swept areas than others.

"Brookline's Trees" is an unusually interesting account of tree work in the richest town in Massachusetts.

Residents of Brookline as early as 1670 took action to protect the trees on the "common ground" and in 1801 provision was made for the care of trees along the highways. A special tree committee was created in 1883 and in 1885 the town voted to accept an act by the General Court authorizing it to make annual appropriations for shade trees, shrubs and vines. For some years the town appropriated two thousand dollars annually to be used at the discretion of the committee.

Brookline joins Boston. It has an area of 5,600 acres and about 95 miles of streets and 14,000 trees. The difficulties with electric wires passing through the trees were solved and later because the Gypsy Moth, Elm Leaf Beetle and other pests became troublesome, spraying equipment was purchased and spraying became a regular part of the tree program.

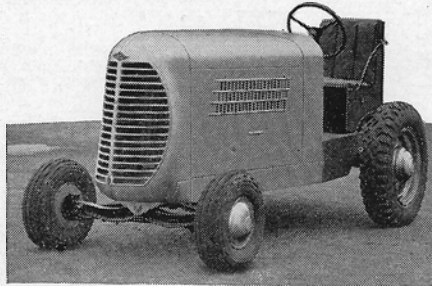
The town is fortunate in having as residents, both in earlier years and at the present time, individuals who appreciate trees and who gladly cooperate in beautifying the streets with an unusual variety of trees and in making plans for more systematic planting than was possible in the earlier days. The trees of Brookline are held in high regard by those qualified to pass upon such matters. Just before this well illustrated book on Brookline's trees was to go to press, the hurricane of last September struck the town, blocking some 70 miles of streets with prostrate trunks and broken limbs and entailing the expenditure of about sixty-five thousand dollars in removing and repairing the damage to sidewalks and streets.

It is worthy of note that the better grown, stronger trees, here and elsewhere, suffered less from the storm than those with weak branches or a deficient root system.

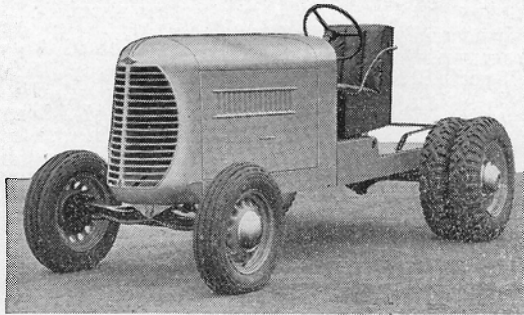
The regular April meeting of the Club was held at Braeburn on the 4th, prior to the Service Section dinner. The principal business was a final reading of the revised Constitution and By-Laws.

See the New Toro Line

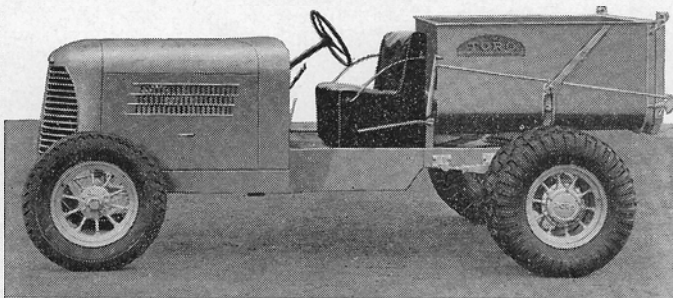
Best Value on the Market



Toro Bullet—Wheelbase 71"



Toro Master A—Wheelbase 87"



Toro Master B—Wheelbase 98"

—Sickle Bar Attachment Fits All Models—

DISTRIBUTED BY
NEW ENGLAND TORO CO.
WEST NEWTON, MASS.

CONNECTICUT ASSOCIATION ANNUAL MEETING

The annual meeting of the Connecticut Association of Golf Course Superintendents was held at the Hartford Golf Club, Hartford, Monday, March 6.

The following were elected officers:

President A. Lentine
Tumble Brook C. C., Hartford
Vice President H. Grahame
Putnam C. C.
Secretary-Treasurer C. Traverse
Mill River C. C., Stratford
Asst. Secretary-Treasurer G. Moquin
Manchester C. C.
Board of Directors—
C. Baskin, Waterbury C. C.
F. Emeneger, Fairfield C. C.
Wm. E. Perkins, Yale G. C.

Seventy-two members and guests had dinner. The speakers were introduced by A. B. McGinley, Sports Editor of the Hartford Times, who acted as toastmaster.

Speakers were: F. Emeneger, Topic, "The Connecticut Association of Golf Course Superintendents"; J. P. Johnson, Conn. Agr. Ex. Sta., Topic, "Japanese Beetle Control"; Dr. H. B. Sprague, N. J. Ex. Sta., Topic, "Developments in Turf Research"; Dr. T. E. Odland and Dr. DeFrance of Rhode Island, Topic, "Hurricane Damage to Turf".

Guests included: F. D. Ross, Pres. of Connecticut Golf Association, Eddie Burke, Golf Champion of Connecticut, and several chairmen of greens committees.

The next meeting of the Association will be held at the Avon Country Club, Unionville.

Charles Traverse,
Secretary.

G. S. A. MEETING

The Greenkeeping Superintendents Association is sponsoring its first sectional educational conference June 5th and 6th at the Canoe Brook Country Club, Summit, New Jersey. Cooperating in this venture are the New Jersey Assoc. of Golf Course Supts., Philadelphia Assoc. of Golf Course Supts., Northeastern New York Greenkeepers Assoc., and the Mid-Atlantic Assoc. of Greenkeepers, all affiliates of the national organization.

The Eastern Sectional Educational Conference is designed to fill a long felt need for service by the Greenkeeping Superintendents Association to its members who are unable to attend the annual educational conference and equipment show.

A highlight of the conference will be a trip to Rutgers University to visit the turf gardens of the Experiment Station. Dr. H. B. Sprague and his staff are cooperating to make this part of the program an outstanding event. It is also planned to visit a number of golf courses to study at first hand their problems.

It is hoped that all greenkeepers and other interested persons will take this opportunity to hear the latest information on problems of golf course maintenance and fine turf culture.

Ed. B. Cale.

Dad—"Look here! Why can't you learn to spell?"

Boy—"The teacher keeps changing the words."

—Anon.

OFFICERS' DIRECTORY

President John Counsell, 5 Ellsworth Rd., Peabody, Mass.
Secretary Philip Cassidy, 45 Grosvenor Rd., Needham, Mass.
Treasurer Frank Wilson, Charles River C. C., Newton Centre, Mass.
Chairman Enter. Comm. Sam S. Mitchell, Ponkapoag G. C., Canton, Mass.
Chairman Golf Comm. Lloyd G. Stott, Meadow Brook G. C., Reading, Mass.
Chairman Welfare Comm. Edwin Hansen, Concord C. C., Concord, Mass.
Chairman Employ. Comm. Arthur Anderson, 358 Fuller St., W. Newton, Mass.
Chairman Trustees George Rommell, Jr., 54 Eddy St., West Newton, Mass.

NEWSLETTER officers, see page two.

We Are Distributors for
ALL McCLAIN CHEMICALS AND EQUIPMENT

Fungol



SAFE, POWERFUL TURF FUNGICIDE AND VERMICIDE
 Fungol is a great preventative and control of both Large and Small Brown Patch. Works fast and has exceptional soil retention properties.

Great covering capacity of Fungol makes it the most economical fungicide you can buy—3,500 to 7,000 sq. ft. of Green to the pound. By using Fungol under regular scheduled applications you need not purchase extra chemicals for eradication of Soil Vermin—earthworms, sod webworms, cutworms, grubs, beetles, snails, etc. Ask for free testing sample and literature.

Veg-E-Tonic

Nitrogen 21%—Phosphoric Acid 13%—Potash 10%
THE COOL FOOD FOR PUTTING GREENS



More Golf Courses are using Veg-E-Tonic every year because it is wholly soluble, clean, odorless and leaves no residue on Greens. Veg-E-Tonic contains no useless fillers and every pound is full 16 ounces of top rated chemical grass food. There is no waste of any kind in Veg-E-Tonic. This cuts down handling, drayage, storage, and makes application easier. Packed in 100-pound sealed, air tight drums. Write for free sample.

KlenZip

REMARKABLE GOLF BALL CLEANER



KlenZip is the newest development in Golf Ball washing compounds. Contains no soaps, acids or alkali to injure paint on balls. Just mix a small quantity of powdered KlenZip in water and fill Ball Washers regularly as needed.

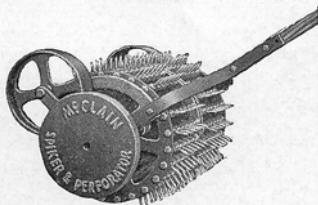
KlenZip is clean and odorless and does not curdle nor become rancid from continued use.

KlenZip leaves no film on balls to soil hands or clothing. High cleaning properties of KlenZip make it the most economical ball washing compound now on the market. Free samples and special literature upon request.

McClain

Spiker and Perforator

CULTIVATE AND AERATE YOUR PUTTING GREENS



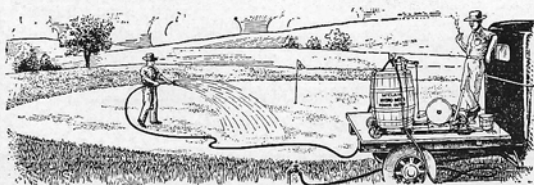
Better fertilization and less fungicides are two of the more important results. Opening up the soil with millions of holes by the long, smooth, round spikes produces aeration of the turf, and better application of water and top dressings. Oxygen around roots gives healthier and stronger grass.

Stainless steel spikes, bronze and roller bearings, alemite oiling and pressure-spring grease retainers. Weight 220 pounds. Extra weights supplied with each machine. Make your Putting Green equipment more complete with a McClain Spiker.

McClain Hydro Mixers

FOR RAPID TREATING AND FERTILIZING PUTTING GREENS

Popularity of the Hydro-Mixer Outfit for applying Fungicides and Fertilizers is constantly increasing.



Hundreds of Outfits now in use. Successful everywhere because of its simplicity, low cost and operating speed. Nothing approaches this equipment for rapid, uniform and efficient spraying of Putting Greens.

When attached to hydrant of your water system, Greens may be treated or fertilized in 10 to 15 minutes. Works on any water pressure.

May be had for either hand or power operation.

NEW ENGLAND TORO CO.
 WEST NEWTON, MASS.

New Worthington Golf Chief gives you greater mowing efficiency at less cost

The new Worthington Golf Chief is a sturdy, fast, economical tractor powered by Chrysler. It is designed and built by specialists in mowing equipment to give you long years of trouble-free service and a better-kept course at all times. Special features include:

Short Wheel-base of 65 inches giving you a turning radius of 5 1-4 feet even with gang mowers attached.

10-inch Ground Clearance at the front axle—more than ample for sickle-bar work in the rough.

Fast Operation — faster mowing speeds and transportation speed of 32 miles per hour.

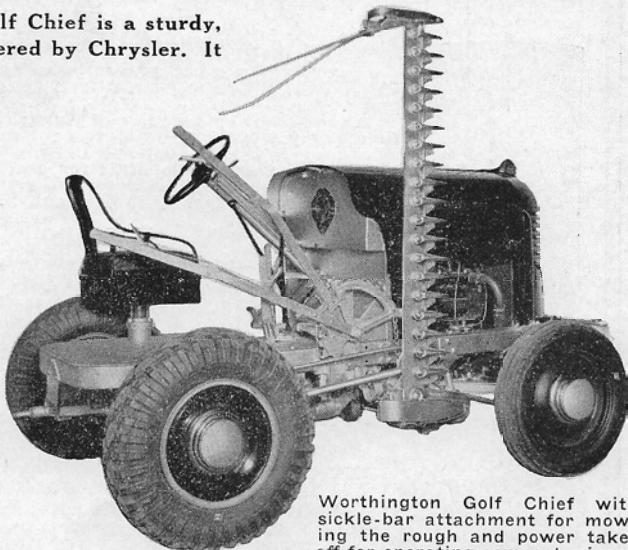
Operator Comfort—Scientific non-glare paint—saves operator eye-strain. New type cushioned spring-plunger seat. All controls operated from driver's seat.

Silent—as quiet as your car.

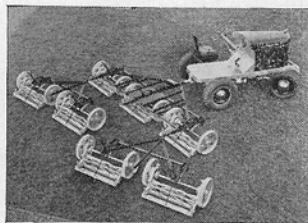
Service—throughout the world from all dealers of the Chrysler Corporation or your own local garage, if ever required.

Tear out this coupon and mail it today for handsome, illustrated catalogue showing how you, too, can save time, money and manpower with Worthington equipment.

Gang Mowers—Remember, there are more Worthington Gang Mowers in use throughout the world than all other makes combined and that in the last 15 years, 46 out of the 60 championship courses chosen for the United States, British and Canadian Open and the United States Amateur Championships used Worthington equipment.



Worthington Golf Chief with sickle-bar attachment for mowing the rough and power take-off for operating compost mixers, power sprayers, rotary brushes, pumps, saws, etc. saves you the expense of much extra equipment.



This fast and flexible 7-gang combination cutting a 16-foot swath is, we believe, the most efficient and economical mowing outfit in the world.

C. M. SAWTELLE
New England Distributor
3 Walker Terrace
Cambridge, Mass.
Telephone: Trowbridge 7491

**Worthington
Mower Company**

STROUDSBURG • PENNSYLVANIA
Sales Agencies: All Principal Cities

WORTHINGTON MOWER COMPANY
Stroudsburg, Pa., Dept. NL-AP

Please send catalogue on your equipment at no obligation.

Name

Address

City State