

# Modern Power for the Golf Course



The popularity of the McCormick-Deering Fairway 12 Tractor is world-wide. Down below the Southern Cross, these two units are working for the City of Christchurch, New Zealand, in the Parks and Reserves Department.

## McCormick - Deering Fairway 12

THE McCormick-Deering Fairway 12 — a smooth-running, compact golf tractor — will show you something new in economy and performance on the golf course. Here is modern tractor power at its best — ready to serve every power need . . . ready to save you money on every maintenance job.

Lay out your maintenance program around the Fairway 12 — you will always be ahead of your work and it will be done much more economically than with other forms of power. The Fair-

way 12 has a range of speeds from  $2\frac{1}{4}$  to 10 miles an hour, a turning radius of  $8\frac{3}{4}$  feet which makes it possible to work in close quarters, and ample power to pull a gang of seven or nine mowers and other machines of similar capacity. Steel wheels are supplied regularly but low-pressure pneumatic tires are available on special order.

Call on the nearest branch, distributor, or dealer for complete information on the Fairway 12. They will be glad to arrange a demonstration for you.

### INTERNATIONAL HARVESTER COMPANY

606 So. Michigan Ave.

OF AMERICA  
(Incorporated)

Chicago, Illinois

*The Golf  
Tractor*

**MCCORMICK-DEERING  
FAIRWAY**



**OFFICERS**  
 EDWIN L. LINDBERG  
 President  
 HARRY L. DINEY  
 Vice-President  
 HENRY J. WILSON  
 Treasurer  
 JAMES H. WILSON  
 Secretary

**Woodmont Country Club**  
 MILWAUKEE, WISCONSIN

**DIRECTORS**  
 HENRY L. DINEY  
 GEORGE B. BENTON  
 J. C. GIBSON  
 A. J. PROHLER  
 W. M. WILSON  
 JAMES H. WILSON  
 HENRY H. WILSON  
 EDWARD WILSON  
 A. C. GUTTMAN

**Sewerage Commission,**  
 Milwaukee, Wisconsin.

**Conclusion:**

The fairway fertilizer test plots on our first fairway this spring have produced remarkable turf improvement, in spite of a dry spring and summer.

The original turf on this fairway was quite thin, with numerous dead patches. Yet ten applications of fertilizer have thickened the grass, and deadlines are noticeably less. During the moist fall season, worm casts have been far less evident on the fertilized plots than on adjacent unfertilized areas.

All test plots were treated with the same amount of Milorganite. On few plots we added various quantities of superphosphate slime or in substitution 1/10 moleals of potash.

Additional phosphoric acid and potash have produced no improvement beyond the benefits obtained from the nitrogen and phosphoric acid supplied by Milorganite.

These experimental treatments demonstrate conclusively that the fairways at Woodmont can be vastly improved by a simple program of fertilization, without resorting to supplementary re-seeding or top-dressing.

Very truly yours,

*B. J. P. J. J.*  
 Professional Soil Geologist

# ANY CLUB CAN HAVE DENSE, HEALTHY FAIRWAYS

at low cost

## Simple Test-Plot Methods Determine Scientific Feeding

**F**OR over ten years, soil technologists of the Milwaukee Sewerage Commission called into consultation with expert greenkeepers have been making exhaustive, scientific tests to aid in developing healthy fairways that could withstand the vagaries of nature and the punishment of constant play . . . These tests have been made in all parts of the United States and Canada on all kinds of soil in a wide variety of climates. Their entire purpose in each case was to determine the exact plant food requirements needed to build dense, healthy turf.

These tests have been uniformly successful in establishing correct feeding methods. They prove conclusively that nitrogen is most important on established fairways, and that Milorganite produces superior results, because besides supplying necessary nitrogen, it contains sufficient phosphoric acid for most soils.

Scientific soil culture never fails. Your club can have dense, heavy fairway turf. On request our Soil Technologists will gladly help devise an economical and effective fairway feeding program to fit your local conditions, basing their recommendations on tests whenever necessary.

Because it is rich in long lasting organic nitrogen which is released gradually, as needed, through the growing season, and because it contains the rare elements (plant vitamins) as well, Milorganite has won recognition throughout the United States and Canada for its ability to establish and maintain firm, thick, healthy sod. It is easy to apply — long lasting — and inexpensive. It is good for any soil. Use it in 1935.

**THE SEWERAGE COMMISSION, Milwaukee, Wis.**

**GOLF CLUBS USE MORE**

# MILORGANITE

**THAN ANY OTHER FERTILIZER**



# BUCKNER

What the <sup>1111</sup>  
are all the best courses  
BUCKNER equipped?



is what the  
specifications called for

## Conclusive proof of the superiority of Buckner Equipment

WHEN Mr. Harry Hirschfeld, Chairman of the Greens Committee of Fenimore Country Club, White Plains, New York—prominent Westchester club—was asked why he insisted on "BUCKNER" for the hoseless fairway system now being installed at the club, his answer was—"Let the other fellow experiment, I want a product that has proved its worth under all conditions—climatic and otherwise."

INSIST ON BUCKNER EQUIPMENT  
and you will have no regrets or apologies  
to make.

**YES!**

You can order from your local dealer.

**BUCKNER MFG. CO., Fresno, Calif.**

33 W. 60th St., New York City  
COLUMBUS 5-4565

Chas. E. Stewart, 7617 Eberhart Ave., Chicago  
VINcennes 1683

P. L. Baldock, 2240 Casitas St., Pasadena

H. V. Carter Co., 52 Beale St., San Francisco



Illustrating Buckner's "Curtain of Water"

Tut! tut! I don't deserve it!  
Give it to SCOTT'S CREEPING BENT!



The splendid record of endurance SCOTT'S CREEPING BENT established last year when most putting greens were "burning up"—has won for it unprecedented recognition among golf club officials. May we figure with you?

Write for a copy of GOLF TURF.

WEED  
FREE



WEED  
FREE

● O. M. SCOTT & SONS COMPANY ●  
3544 Main St., Marysville, Ohio

## Lime Crest Calcite

(PULVERIZED)



A PERFECT natural carbonate of lime which will do wonders for your grounds and fairways. Will act quickly, because it consists of very finely divided particles in crystalline form. Yet LIME CREST Calcite positively will not injure vegetation and can be applied at any time in any amounts. Influence on the soil is sweetening, so benefits from all applications are permanent.

For lasting, low-cost improvement of golf courses, use LIME CREST Calcite (pulverized).

LIMESTONE PRODUCTS CORP. OF  
AMERICA Dept. H-7 Newton, N. J.

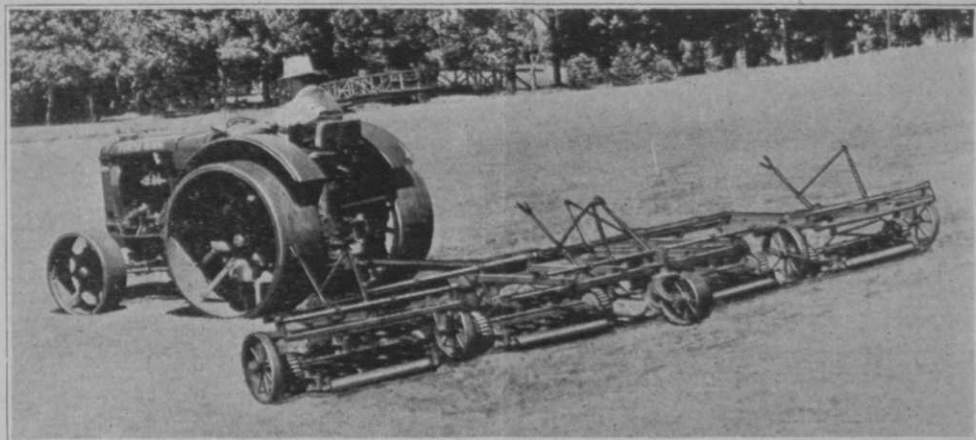
## That Happy Combination of Quality and Economy is offered in our New Broadmoor One-Color Score Card

Produced by a New Process, its price is \$21 for 5,000. The card, fully complete and comprehensive, is not small and the stock is heavy.

Samples to clubs on request

JOHN H. VESTAL CO., Printers  
703 South La Salle Street - - - Chicago

# Over — FIRM, Soft, HILLY, or Flat Fairways — the IDEAL BULLDOG Cuts Cleaner and Faster

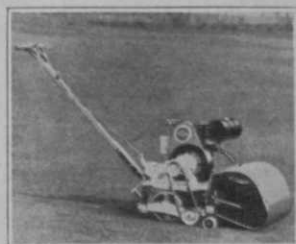


- The particular design of the Ideal Bulldog mower gives definite advantages.

The frame is flexible. That means contact for every cutting unit at all times, whether the ground is flat or hilly.

Further insuring clean cutting, the famous 7-blade Bulldog cutting units, with **close-coupled** construction, reach into small hollows. This exclusive design also prevents scalping of ridges.

A finer cutting job, plus lighter weight for faster work, and the ability to turn short, makes the long-lived Ideal a wise buy at any price. But at its moderate figures, it is the value of the field. 3-5-7 and 9-gang changeable units. Write for details— you will find our new 1935 prices interesting.



## Power Greens Mower

Lightest made — and the smoothest operator. Easy and untiring to run. Turns without endangering turf. For any grass—fescue, bent and bermuda. Power applied direct to roller, absolutely preventing scuffing. Transport cart for easy transportation. Write for details.

# IDEAL POWER LAWN MOWER COMPANY

446 KALAMAZOO STREET

LANSING, MICHIGAN

#### Branches:

161 Vester Street, Ferndale (Detroit) Mich.  
237 Lafayette Street, New York City

#### Canadian Distributors:

Aikenhead Hardware, Ltd.,  
17 Temperance Street, Toronto, Ont.

## SKINNER SYSTEM OF IRRIGATION

### Farsighted Clubs are Thinking in Terms of Next Summer . . .

December (the last full month before this advertisement is written) proves that even in mid-winter, the interest in Fairway Irrigation is vitally alive.

During that month the following clubs contracted for Skinner Hoseless Fairway Watering Systems.

Shaker, Heights Country Club—Cleveland, O.  
Mayfield Country Club—Cleveland, O.  
Moraine Park Country Club—Dayton, O.  
Hollywood Municipal Country Club—Florida.  
Manoa Park—Honolulu.

During same month the installation of Skinner Fairway Irrigation was completed for Chevy Chase Country Club, Washington, D. C., and Fort Wayne Country Club, Indiana.

There is a reason why clubs are realizing that their success is dependent on adequate irrigation systems, and why so many of the better clubs are selecting Skinner Equipment and Skinner Service.

If you are even tentatively thinking about irrigation, drop us a line for our "Condensed Golf Course Irrigation Manual." It is unique and full of useful information.

### THE SKINNER IRRIGATION CO.

415 CANAL ST., TROY, O.



*Rain at the Turn of a Valve*

## IMPROVE YOUR COURSE WITH STANDARD EQUIPMENT

- Flag Poles    Flags
- Putting      Signs
- Cups          Hole
- Bag Racks    Cutters



Now is the time to plan your Course improvements for 1935—and the Standard Line is your logical choice. STANDARD EQUIPMENT will keep your course properly and economically maintained.

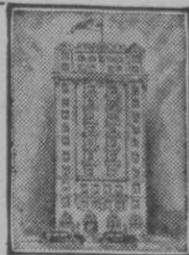
Latest Designs—Finest Workmanship

Send today for complete details  
and latest LOW prices.

STANDARD MFG. COMPANY  
Cedar Falls, Iowa

## the Broztell

offers



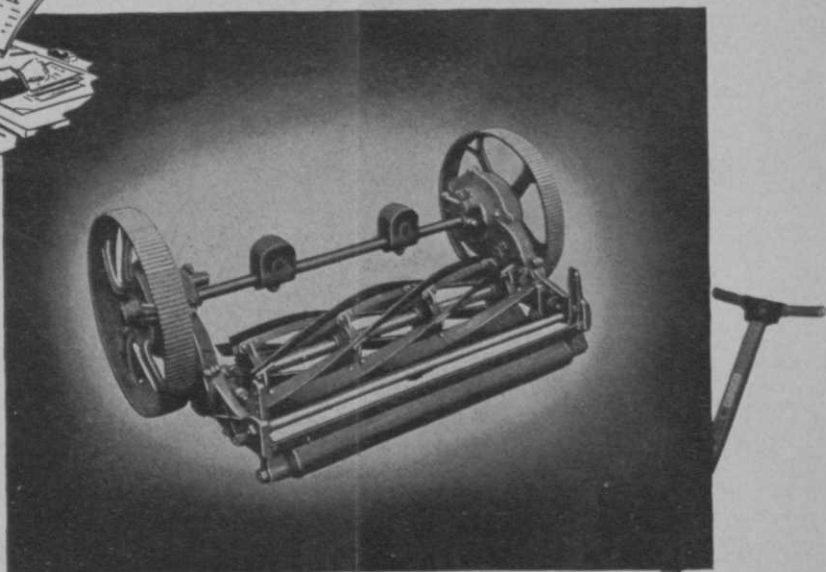
- A Home
- A Distinctive Hotel
- Fine Location—with easy access to shopping and theatrical centers, churches, libraries, parks and transportation lines.
- Restful Security—for ladies traveling without escort, this atmosphere is a noted feature.
- Every Room with tub and shower.

ROOM WITH BATH \$1.50.

### Hotel Broztell

Fifth Avenue & 27th St., New York  
J. Sugarman, Manager.

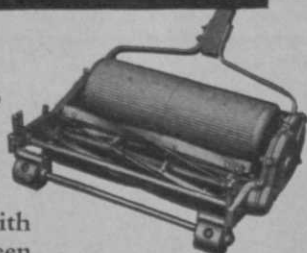
# ARE YOU PAYING FOR A "PENNSYLVANIA"...



...WITHOUT GETTING IT?

Hundreds of golf clubs entered the depression with mowing units due to be replaced. These have been patched, petted (and cussed) through the past four years. Today they represent real hazards to the well-groomed course and truly "cost more to keep than to replace with up-to-date Pennsylvania's."

Improvements embodied in our present line make for increased mowing efficiency and reduced operating costs. Send for our new catalog today. See why many Greens Chairmen have stopped balancing their budgets with repair bills, and substituted new PENNSYLVANIA equipment instead.



**Unbreakable Fairway Mower**  
Giant 36-inch units give 20% WIDER CUT at only \$15.00 more than 30-inch size. Both made of malleable unbreakable iron. Six crucible steel blades. Three dust-protected cut gears on both sides. Timken Bearings on cylinder, dust-proof bearings on ground roller. Alemite lubrication throughout.

**Super Greens Roller**  
Lightweight, high-speed, smooth cutting with 8 crucible tool steel blades. Alemite lubrication. 18-in. size only. \$48.00.

# PENNSYLVANIA

LAWN MOWER WORKS

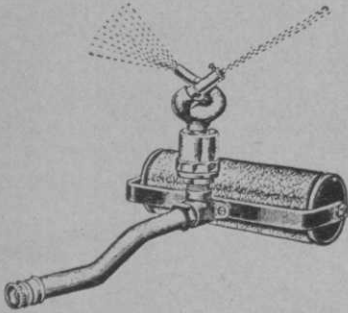
PRIMOS

(write for catalogue)

PENNA.

# The Two Greatest Golf Sprinklers

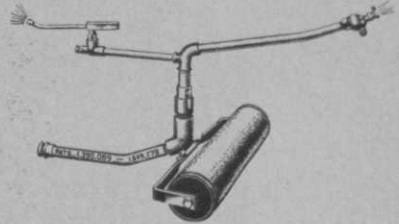
## Old Faithful



Sprinkles 125  
ft. circle

Spreads water  
evenly on any  
pressure

## The Lark



Easily controlled by worm gear  
nozzle. Money refunded if not  
satisfactory.

Nothing to adjust. Will stand the  
knocks. Will not whip or coast  
in the wind.

L. R. NELSON MFG. CO., Inc., PEORIA, ILL.



### MAKE YOUR GREENS A BEAUTY SPOT THIS SEASON

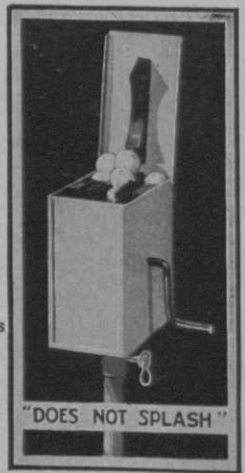
Mr. Greenskeeper—right now is the time to plan to make your greens a beauty spot and the talk of the town. TONAGREN—that double acting, scientific preparation will help you. TONAGREN not only eradicates clover but also stops brown patch in a most effective manner. Best of all the price is much lower than you would expect.

Write today for illustrated literature and the name of your nearest jobber handling TONAGREN.

**P. & M. TONAGREN COMPANY**  
6324 BROOKLYN KANSAS CITY, MO.

### 1935 PRICES On The SIX BALL CLEANER

One to Six Balls  
at a Time.  
Ejects Balls  
When Cleaned.  
It Does Not  
Splash.  
No Gears or  
Springs.



Avoids Delay on the Tee.  
Requires Very Little Care.

CLEANERS, Each.....\$6.50  
METAL STAKES, Each..... 1.45  
Prices F. O. B.

THE W. G. MFG. & SALES CO.  
33 North High St. COLUMBUS, OHIO

Or at Your Dealer



## GIVE YOUR FAIRWAYS *Putting Green* TREATMENT --AND SAVE MONEY!

**T**HE gentle rolling of a Roseman type fairway mower stimulates turf growth by sealing heat cracks and retaining moisture in the soil. It pushes down loose surface runners so they can re-root themselves. The root-bed is kept in firmer contact with the nourishing subsoil—air pockets are eliminated. Rough spots and tufts of grass are rolled smooth. The roller carries the cutting knives over humps and ridges to avoid scalping. The down draft pull of the mower keeps it close to the ground, assuring an even, close cut.

The power is transmitted from the roller to the cutting blades through steel cut gears enclosed and running in oil. Every part of a Roseman Mower is built to last longer—to provide more cutting hours under the most severe conditions at a minimum of upkeep expense.

The efficiency and economy of Roseman Mowers have been thoroughly proved over a period of fifteen years, and there is no substitute for a Roseman—it is the only fairway gang mower that rolls as it mows. Give your fairways putting green treatment with Roseman Mowers—and save money. Send for complete details.

**Roseman Tractor Mower Company**  
800 Davis Street, Evanston, Illinois

### Roseman V-8 Tractor

The 1935 Roseman Tractor is built on the new Ford V-8 chassis—providing unusual power and economy. Will handle a 5, 7 or 9 gang fairway mower with ease. The large dump body is operated from driver's seat. Its quiet operation is an outstanding advantage—it can be kept at work while players are on the course. Equipped with steel or low pressure non-skid rubber tires. Maximum speed 23 m. p. h. Send for details of this all purpose golf course tractor.

# ROSEMAN MOWERS



## NEW SPRINKLER EFFICIENCY

Available  
also without  
roller base



# Rain King

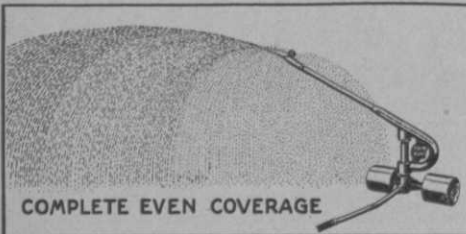
The Best Sprinkler Made

*Throws more water*

1600 gallons per hour at 60 pounds—20% more than other sprinklers by actual test. Two interchangeable, new, patented 3-jet nozzles for all pressures above 30 pounds. Special nozzle available for very low pressures.

*Throws Water Farther*

No obstructions to hinder free passage of water. Perfect distribution of water over any circle up to 150 feet.



COMPLETE EVEN COVERAGE



New RAIN KING three-jet nozzle

Instantly set to turn at any speed desired—even as slow as 30 revolutions per hour. Oversize phosphor bronze bearings. Unbreakable. Good looking. PRICED RIGHT. Write for complete information on this new, improved Model E Rain King and Quick Coupling Valves.

MADE AND GUARANTEED BY

**CHICAGO FLEXIBLE SHAFT CO.**

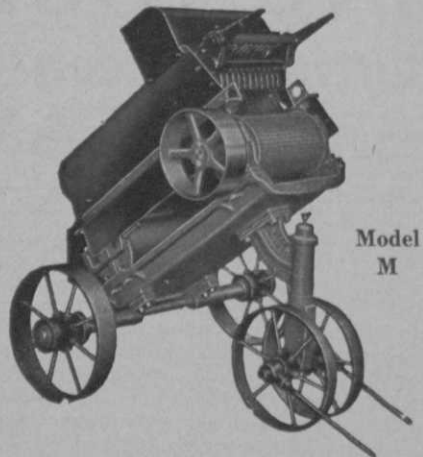
5515 Roosevelt Road, Chicago

45 Years Making Quality Products

SEE US AT THE CONVENTION

## What USERS SAY about ROYER COMPOST MIXERS

- ... saving us the labor of four men, or about \$800 a year.
- ... and has cut our cost of preparing compost more than 75%.
- ... our Royer's sixth year and still operating like new.
- ... with our Royer, we now use all this raw material and this has meant considerable saving.
- ... even when we feed it old sod or damp lumpy dirt, the Royer turns out excellent compost.



Model  
M

ROYERS make compost so much quicker and better that users invariably effect savings from 70% to 90% in compost preparation.

Sold thru leading  
Golf Equipment Dealers

**R O Y E R**  
FOUNDRY & MACHINE CO.

158 Pringle St.

Kingston, Pa.



# GREENKEEPERS!

*This is the MOWER  
you asked me to BUILD*

*E. H. Worthington*

THE GREATEST GANG MOWER DEVELOPMENT FOR  
SIMPLICITY, MAXIMUM PERFORMANCE  
AND LOW UP-KEEP

NO GREASING OR OILING.  
REMOVABLE FLY KNIFE REEL.

NO BED KNIFE ADJUSTMENT.  
SOLID STEEL WHEEL . . . with  
removable spuds or fabric treads.

GEAR SHIFT FOR REGULATING HEIGHT OF CUT  
FOR FAIRWAY AND ROUGH.

*Write for catalogue illustrating and describing many other new features.*

Main Office:  
129 East 69th Street,  
New York, N. Y.



Factory:  
Philadelphia,  
Pennsylvania.

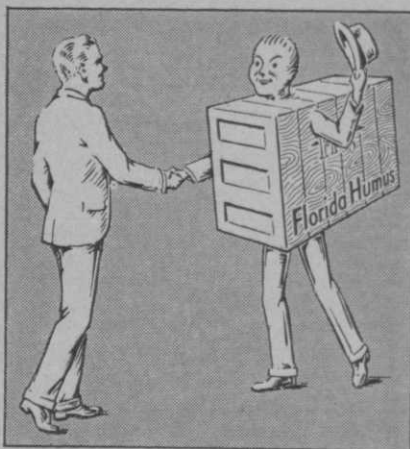
**CROWN MOWER COMPANY**

# A New Friend

for every

Greenskeeper and Greens Chairman

## FLORIDA HUMUS



**WHAT IT DOES:** INCREASES soil fertility and makes healthier, stronger growth of grass. Gives firm resilience underfoot. Absorbs and holds moisture, lessening sogginess in wet weather and preventing baking or crumbling of soil in long dry spells. Saves up to 50% in watering and fertilizing cost. *Will not sour the soil.*

**WHAT IT IS:** A pure, soil-building organic matter, rich in nitrogen and entirely free of weed seeds and foreign matter. An ideal medium for composting. Florida Humus is light, fluffy, clean and odorless. Packed in 200-pound containers (12 cubic feet compressed to 7)—ready for use—requiring no shredding, grinding or breaking.

**ANALYSIS of FLORIDA HUMUS** (by Wiley & Co., Baltimore, No. 129117). *Note very slight acidity and high percentages of nitrogen and organic matter.* Moisture—44.87; On Dry Basis:—Ash, 8.68%; Organic matter, 91.32%; Acidity pH, 6.2 (7 is neutral); Total Nitrogen, 3.25%; Phosphorus, .24%; Potash, .11%; Calcium, 1.68%; Maximum water holding capacity, 581.15%.

**WHERE TO BUY:** At the following leading garden and golf course supply houses throughout the East; BOSTON—Breck's, 85 State Street; NEW YORK—Stump & Walter Co., 132 Church St.; BALTIMORE—E. Miller Richardson & Co., 108 Light St.; WILMINGTON—Franklin P. Murphey, 713 Lancaster Ave.; WASHINGTON—F. W. Bolgiano & Co., 411 New York Ave., N. E.; PITTSBURGH—Beckert Seed & Bulb Co., 502 Liberty Ave.

### FLORIDA HUMUS

Mined and Manufactured by

The Florida Humus Company, Zellwood, Florida.

#### Send for this valuable new booklet.

There's much useful information for every greenskeeper and greens chairman in our booklet—*The Uses of Florida Humus for Better Greens and Fairways.* Send for it today.



#### FLORIDA HUMUS COMPANY

Sales Office, 141 Milk Street, Boston, Mass.

Please send me your new booklet—*The Uses of Florida Humus for Better Greens and Fairways.*

Name.....

Address.....

Club..... I am (please check):

Greenskeeper      Member Greens Committee

Chairman Greens Committee