We announce with pleasure a price reduction of 50 cents per pound in the 25-pound and larger sizes of NU-GREEN, effective February 15, 1928.

Through greatly increased production and installation of special machinery, manufacturing economies have been effected that were not possible during small scale production of NU-GREEN when first placed on the market last season. These substantial savings are passed on to you in the new prices of NU-GREEN.

**Nu-Green vs. Uspullun**

Four seasons ago, we introduced USPULLUN, the original organic mercury seed and soil disinfectant, to golf clubs as an aid in controlling the destructive Brown-Patch disease. The consistent success with which USPULLUN checked and prevented both large and small Brown-Patch resulted in its enthusiastic adoption by golf clubs all over the country.

But in spite of its superior effectiveness and advantages over older treatments, our scientific staff was not quite satisfied. It realized the eyesore to greens committees and the handicap to golfers that the disease-ravaged areas presented during the days when new growth was replacing the unsightly brown patches.

With that problem before them, they set to work to perfect a treatment which, in addition to controlling the dreaded Brown-Patch, would also quickly restore the disease-weakened grasses to normal strength and healthy, dark green color, without the added cost and labor of supplementary applications of fertilizers.

For two years, formulae of every description were tested in an effort to find the most effective ingredients, and the proper balance for best results and least danger of injury. Ease in mixing, simplicity of application, and cost of using were all points, too, that received careful consideration.

In the early spring of 1927, we placed on the market a Brown-Patch remedy that was, in the opinion of our scientific staff and the many greenkeepers who co-operated in our field tests, the most practical treatment yet devised. This new compound carried the trade name, "NU-GREEN."

NU-GREEN was successful from the start. Greenkeepers were amazed at its control of the disease and the rapidity with which it brought back their greens to normal health and color. Those who used it as a preventive, saw the humid days and nights pass leaving their greens unspotted and free from the pale yellowish cast of unhealthy or diseased turf.

Now through economy in manufacturing, you can purchase NU-GREEN at a price little greater than the cost of mixing up many home-made compounds. NU-GREEN comes ready for use. No need of the bother and inconvenience of mixing up ingredients yourself. No fear of unbalanced quantities of disinfectant and plant food. No danger to grasses from imperfect mixture. With NU-GREEN, you are assured of the best possible results. It is easily and quickly applied.

**Use NU-GREEN this Season**

If you have not already used NU-GREEN, at least try it out on several greens this spring. Test it against any treatment you have been using, and learn for yourself why it replaced the older treatments at so many clubs last season.

**NOTE—NEW PRICES**

<table>
<thead>
<tr>
<th>Size</th>
<th>Price per lb.</th>
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<th>Price per lb.</th>
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<tbody>
<tr>
<td>25-lb.</td>
<td>$1.50</td>
<td>100-lb.</td>
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<tr>
<td>50-lb.</td>
<td>$1.45</td>
<td>500-lb.</td>
<td>$1.35</td>
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</tbody>
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*Say you saw the ad in The National Greenkeeper*
URANN FAIRWAY COMPOST SPREADER

A Simple
And Sturdy
Machine For
Ford And
Chevrolet
Trucks That
Will Halve
Top-Dressing
Costs.

Elevating the body and driving the truck forward spreads and brushes-in the material at the rate of a cubic yard in two minutes. Developed by practical men whose spreading problems are exactly like your own.

Made and sold direct by
UNITED CRANBERRY COMPANY
Box 75
WAREHAM, MASS.

“PAR BRAND”
THE NEW WATER
HOSE

A Water Hose with Corrugated Smooth Cover—a new corrugation so constructed that it will not rough up the Greens and still reduces kinking to a minimum.

This hose has a cover of extra thickness, two plies of cord and heavy tube. Plies will not separate. On 1-inch sizes and over, we use extra long shank couplings which prevent blowing out.

Immediate deliveries along with Reels and Sprinklers.

The Philpott Rubber Co.
1381 West 3rd St. CLEVELAND, OHIO

Greener Greens

Wilmington Country Club
WILMINGTON, DELAWARE

November 5, 1927

Hyper-Humus Company,
Newton, New Jersey

Gentlemen:

We have used Hyper-Humus during the present year at the Wilmington Country Club to replace mushroom manure or compost in top-dressing (one-third Hyper-humus, one-third topsoil and one-third sharp sand, by volume), and find that it gives quick response when applied to greens together with fertilizer.

It is much handier to use than compost and, if costs are considered, we believe it is much cheaper. We know that it contains a high percentage of useful bacteria which quickly convert such fertilizers as Urea, ammonium sulphate and cottonseed meal to the readily usable form.

Very truly yours,

W. W. Rhodes
Green Committee

Hyper-Humus
“Puts the Top in Top Soil”

rate charged the non-resident guests and paid $4500.00. There were 500 members. From the foregoing you will gather that we supply the members with very cheap golf. The rates to members are as follows:

Man and wife $25.00 per year, individual $20.00 per year, individual under 21 years of age $10.00 per year, children under 16 years of age $6.00 per year. While the Park Board has other recreational activities, golf is by far the most participated in, and it is the only one that is self supporting.

A municipal golf course has problems of its own and presents a situation calling for men trained to meet its

Since 1875

TESTED Radways SEEDS

We have on spot new crop
CHEWINGS FESCUE N. Z.
BENT GRASS SO. GERMAN
BLUE GRASS—RED TOP—WHITE CLOVER

Ask for Sample Offers
I. L. RADWANER SEED CO., Inc.
11 WATER STREET NEW YORK
Phone Bowling Green 3373
Seed Importers and Refiners

Say you saw the ad in The National Greenkeeper
Cocoos Creeping Bent Seed

The Last Word in Fine Turf

The supply is now sufficient to allow us to offer a limited amount of the seed of this wonderful grass for use in the East. It is guaranteed to be a pure strain of creeping bent and to contain no noxious weeds.

The trade-mark COCOOS is registered with the U. S. Patent Office and the Commissioner of Patents of Canada. No other seed can be legally sold under this name.

Sold only by authorized dealers

Cocoos may be purchased from G. A. KLEIN, 440 Seaton St., Los Angeles, Calif.; The Stumpp & Walter Co., 30 Barclay St., New York, N. Y.; Lyman Carrier, Granger, Indiana, or it may be ordered direct from

COCOOS SEED INCORPORATED
Coquille, Ore.

requirements, for if the game of golf is to be provided to the public in general it must be furnished cheaply to fully cover the field. I think that you will agree with me that the field of municipal golf has only been scratched, and the time will come when municipal courses will be in the majority. Municipalities can purchase tracts of land for this purpose providing the funds by bond issues or some other means permissible by the laws of the city, county, and state where located. One feature of the expenditure of the people's money in this manner is that something of real value is secured and it is safe to say that the value will increase while many municipal expenditures are, like the purchase of machinery, valuable for the time being only. I might dwell on the benefits of golf to the residents of a municipality, its influence on health, its training to the younger generation, its moral influence, and the spirit of good fellowship it creates among the citizens, but

Greenkeepers Please Note
Fraser's International Golf Year Book

is the only publication containing a complete list of Greenkeepers. A complete buying guide. This 500 page book answers everything about golf. Get your own copy—price $2.50.

Say you saw the ad in The National Greenkeeper
PREMIER BRAND
Pulverized
POULTRY MANURE
Produces
BETTER
Greens and Fairways

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

Premier Poultry Manure Company
431 South Dearborn St., Chicago, Ill.

Do you buy Grass Seeds by Sample or Price?
Let us quote you on your Spring Seeding, with Samples

Henry A. Dreer
Seeds, Plants, Bulbs
ESTABLISHED 1838

that would consume both time and space, and golfers do not need to be told.

General Suggestions for Success
In order to make a golf course a success both financially and from the standpoint of the golfer you must provide good greens, a reasonable amount of hazards, good turf on your fairways, keeping them in good condition constantly, provide clean, orderly, sanitary conveniences, the help must be capable and considerate, and rules that result in justice to all and favors to none.

Going back to the problems of the greenkeeper, we have had them and met them, and I can truthfully say that in meeting them your valuable paper has given much assistance.

Grass Seeds —
CLEVELINE
FLAG SWIVEL

A bronze rust-proof wire swivel which may be attached to any wooden and to the Cleveline Steel Pole. This device will prevent the flag from wrapping around the pole. It can be easily attached by slipping the large loop over the pole and screwing the small loop to the top of the pole.

HERCULES
TURF REPAIRER

An improved sprinkling cart for applying fertilizers in solution and for the application of Semesan, Usphalm, etc. to the putting-green. It is a fifty gallon hard wood barrel mounted on four inch CONVEX tired wheels so that it can be turned on the green without injuring the finest turf. It is fitted with a brass valve that can be turned on and off by the operator from the rear. The boom has a spread of over six feet and is drilled with 103 one-eighth inch holes 3/8 of an inch apart to assure an even penetrating flow. This cart will empty itself in about one minute. The construction of this cart is extremely rugged and should last many years.

CLEVELINE SPRINKLING CART

GEM HOLE CUTTER

The one you have been looking for. Cuts clean and expels the plug without scattering the soil.

Write for our 32 page Illustrated Catalogue on Supplies and Equipment

GOLF COURSE SUPPLY COMPANY
A. E. FLACK
3049-51 Carnegie Ave. - CLEVELAND, OHIO
H. J. STREICH

Say you saw the ad in The National Greenkeeper
AND NOW!....

Cheaper and Simultaneous Control

of

Large Brown-Patch . Small Brown-Patch
Earthworms

with our new product CALO-CLOR.

Practical tests during 1927 by the U. S. Department of Agriculture in Washington, D. C., agreed with these results we obtained in St. Louis. CALO-CLOR is the most effective and economical Brown-Patch remedy on the market today. Write for our free booklet giving the results of the tests. It also contains full directions for controlling Brown-Patch and Earthworms. CALO-CLOR, CALOGREEN and Corrosive Sublimate and other mercury salts are all manufactured by MALLINCKRODT CHEMICAL WORKS

St. Louis Montreal Philadelphia New York

Local Viewpoint

(Continued from page 22)

its pursuit of grubs. "They may tear your turf up, but the damage they do may be repaired without any rancor on the part of the greenkeeper, said Mr. Fordyce, "as they always do a lot more good than they do harm."

Departing from the subject of birds, Mr. Fordyce then spoke about killing skunks around the golf course as bad management. "When you find a hole about an inch in diameter and funnel shaped, there's where a skunk went in after a grub, and they always get their grub!"

Another subject that held general interest was introduced by Mr. Grange Alves of Acacia Country Club, who brought to the attention of the meeting a new drainage method for sand traps. Mr. Alves said, in talking with an engineer engaged in the work of sewage disposal and filtration, that the suggestion was made to try draining difficult traps by the filtration method. Mr. Alves intends to try draining one or two of his traps in this way: Lay tile at depth of two feet, then cover first with two-inch slag, then with slightly smaller size, ending at the surface with a layer of fine pebbles or gravel. Careful placing of the various sizes of slag over the tile will prevent the sand used to face the trap from sifting down and clogging up the filtration system, according to the engineer's instructions.

Fifty-seven chairmen and greenkeepers were served at the dinner following the meeting, and Mr. E. W. Doty, treasurer of the Cleveland District Golf Association, acted as toastmaster. Mr. O. J. Noer was the speaker of the evening, and his talk on soils and fertilization was carefully followed by all present. Mr. Bernard J. Duffy, Jr., president of the local golf association, expressed the pride of the district in the progressive steps which have been taken along golf maintenance lines during the past few years, and offered the assistance of the association in carrying out movements for the general good of golf courses which are started by the Cleveland District Association of Greenkeepers.

Mr. Doty proved to be the hit of the evening as toastmaster, keeping the group in a gale of laughter until he finally announced that it was long past his bedtime, and the party broke up.

The Best Greenkeeper

In The World

Cannot maintain perfect turf unless his course is well drained

Think It Over

WENDELL P. MILLER
Golf Course Drainage Engineer
85 East Gay Street Columbus, Ohio

Say you saw the ad in The National Greenkeeper
Impressive evidence of FAIRWAY WATER HOSE quality

"The Fairway Hose we purchased was for the Augusta Country Club. They were so pleased with the showing Fairway makes that we sold Forrest Hills Country Club 1600 feet. "There is no better Water Hose on the market."

W. S. Smith, Smith Hdwe. Co.
Augusta, Ga.

Fairway will convince you. If you want a sample and prices use the coupon.

THE REPUBLIC RUBBER CO.
Youngstown, Ohio

Beltling Hose Packing
Molded Goods
Lathe Cut Goods

Say you saw the ad in The National Greenkeeper
Features of the New 19-Inch and 24-Inch Models

1. Will produce a finer cut than any “push type” mower.
2. Positively will not pack your greens. All major castings made of the same special grade of aluminum as used in aeroplane construction, combining great strength with extreme lightness.
3. Any boy can operate them without fatigue; makes your help happy and contented.
4. Will cut your cost of greens-mowing 50% to 75% resulting in surprising savings.

DEMONSTRATIONS of these new mowers the past year on prominent courses from Coast to Coast and before the United States Greens Association at Washington, D. C., have assured their reception as a distinct triumph on the part of Jacobsen Engineers—a tribute to Jacobsen experience and skill as builders of quality power mowers.

Their ability to do beautiful work on any green has been thoroughly proven, over any undulations that a hand mower will handle, and of course, with a marked saving in time and labor. They do the work of two and three good men with hand mowers. Every objection to power mowers on the ultra modern green has been removed by these new models.

Line up your new equipment now before the season is on. Let a Jacobsen Representative bring a movie projector to your office and show you how Jacobsen Mowers perform—convincing visible evidence. There is no obligation. Write for literature and names of users.

Jacobsen Mfg. Co.
Golf Dept. A-2, Racine, Wisconsin
New York Office: 245 W. 55th St.

Around the Office Desk

(Continued from page 35)

just taken charge of the course of the Wethersfield Country Club, Wethersfield, Connecticut. Mr. Campbell will have a big job on his hands this season, as the Wethersfield course is to be entirely rebuilt.

GREETINGS to members attending the convention have just been received from Mr. Paul Andress of the Forsyth Country Club, Winston-Salem, North Carolina. Mr. Andress has been planning for some time to be present at Detroit, but writes that unforeseen circumstances prevent the trip this year. “I hope to have the honor of serving the association at the next convention, as I am a firm believer in all its work,” his message reads.

FROM Perley A. Hill, greenkeeper at the Country Club of Salt Lake City, comes the first finely detailed annual report of yearly maintenance we have received. It will make interesting reading in an early number of THE GREENKEEPER.

MANY articles of merit will be published in the April, May and June issues of THE GREENKEEPER. Several excellent ones received came in unsolicited, which denotes the intense interest which this magazine has created in its work of distributing valuable information among greenkeepers.

All members unable to attend the Detroit meeting—watch for the April number.

Say you saw the ad in The National Greenkeeper
## ROYER Compost Machines

**MODEL “M”** — The most popular of Royer machines. Prepares Compost at the rate of 8 yards per hour.

**MODEL “K”** — A junior of Model “M”, capable of preparing compost at two-thirds capacity of the large mixer.

**Special Model “M”** — A model “M” machine mounted on a truck, directly connected to an 8 H.P. LeRoi Gasoline Engine.

## ELWIN Putting Cup

This cup is made of seamless brass tubing, and is fitted in the bottom with a cast brass spider. WILL LAST A LIFETIME.

## ELWIN Proportioner

The ELWIN Proportioning Apparatus does away with the old and expensive method of applying liquids to putting greens by use of a portable barrel and sprinkling can, which involved considerable time and labor. Complete control of the dilution is obtained by regulation of a single valve on the water supply and one man can cover an ordinary sized putting green in thirty minutes. The apparatus is built of solid brass and will not corrode through use.

We are agents for H. Pattisson & Co., England, the leading manufacturers of Golf Course Equipment of the world. We carry a large stock of their equipment at all times and can make immediate shipment.

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L. F. MITTEN, Wilkes-Barre, Pa., E. L. WINN, Inc., Elizabeth, N. J.

"DO NOT FAIL TO SEE THE ABOVE PRODUCTS, AMONG OUR COMPLETE LINE, AT BOOTH 5-B, MAIN FLOOR"

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### Mr. Greens Keeper:

Please check items you may be interested in and mail to us for full information.

- Ant Exterminator
- Ball Washers
- Caddy Badges
- Carts
- Compost Machines
- Cocoa Tee Mats
- Distance Markers
- Divot Cutters
- Fertilizers
- Fertilizer Distributors
- Flags
- Flag Poles
- Grass Seed
- Greens Accessories
- Hole Cutters
- Hole Rims
- Hose
- Mowers, Hand
- Mowers, Fairway
- Mowers, Power
- Mower Sharpeners
- Seeders
- Spike Rollers
- Sod Cutters
- Sprayers, Power
- Sprinkling Carts
- Sprinklers
- Tee Arrows
- Tee Benches
- Tee Stands
- Top Dressers
- Top Dressing Drag
- Tractors
- Wheelbarrows
- Ball Racks
- Flag Swivels
- Brown Patch Remedies
- Milorganite
- Calogreen
- Semesan
- Usupulum
- Nu-Green
- Corrosive Sublimate
- Mowrah Meal
- Wide Wheels for Fordsons
- Sweepers
- Soil Testers
- Tees, Wooden
- Early Bird Rakes

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*World's Largest Golf Course Equipment House*

MORGAN, HURON AND SUPERIOR STS.

CHICAGO, ILL.
Staude Golf Course Tractor with steel dump body, capacity one cubic yard. Price only... $495.00

Staude Golf Course Tractor easily pulls five 30" cutting units, rollers, hay mowers, trailers, etc. Price only... $420.00

Staude Golf Course Maintenance Machine consisting of Tractor, underneath hitch, three 30" cutting units. Price only... $695.00

Why pay more—when more than 1,000 Golf Clubs use the Staude—It must be good—Every user a booster—Machines fully guaranteed, nothing better at any price—Write today for our prices, etc.

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St. Paul, Minn.

Loeffler, McGlynn Company
Golf Course Architects and Advisers
OAKMONT, PENNSYLVANIA

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Huntingdon Valley Country Club
Hannastown Country Club
Kittanning Country Club
Montour Hts. Country Club

Monongahela City Country Club
Nemacolin Country Club
Oakmont Country Club
Pittsburgh Country Club
Pleasant Valley Country Club
Pittsburgh Field Club
Red Run Country Club
Shannopin Country Club
Uniontown Country Club
Westmoreland Country Club
Willow Springs Golf Club
Wykagyl Country Club
Wildwood Country Club

Emil Loeffler has been associated with the Oakmont Country Club for the past fifteen years.

KNIPFING TRACTOR
Built Stronger—To Last Longer!

Many Knipfing Tractors have been used the past two years without a single adjustment. Because of their strong pulling power, light weight and small overall dimensions, Knipfing Tractors are ideal for use on lawns, tennis courts, and for countless industrial purposes.

Knipfing Tractors move quickly, handle easily and "work in close." They're 90% Ford parts, and are backed by our ironclad guarantee of 100% performance.

Write for Literature and Sales Helps
M. J. KNIPFING & SONS
Westbury, Long Island, N.Y.

Say you saw the ad in The National Greenkeeper
Easily Applied, Effective and Economical, Free of Weed Seeds

Constant use of Milorganite simplifies turf maintenance.
Continuous and uniform growth of established turf on greens and fairways insures dense, luxuriant turf.
Milorganite produces sustained growth by providing a uniform and continuous supply of nitrogen over long periods.

New seedings require plant food to insure quick stand of uniform turf.
Poor turf once obtained is difficult and expensive to improve.
Milorganite applied prior to seeding promotes early growth and develops a uniform turf.

Let our Soil Experts help solve your Fertilizer Problems
For further Information address:
THE SEWERAGE COMMISSION
508 Market Street
Milwaukee, Wisconsin

THE LARK SPRINKLER
For Golf Greens and Fairways

SPECIAL QUALITY
GRANULATED CHARCOAL
FOR PUTTING GREENS
Write
THE CLEVELAND CHARCOAL SUPPLY COMPANY
1125 Denison Avenue Cleveland, Ohio

Keep Your Fairways Green
WITH THE
PELICAN AUTOMATIC TRAVELING SPRINKLER
Practical, Economical, Cheap to Install
Send us plan of your water system
PELICAN WORKS
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