

The National Greenkeepers' Show

An accurate description of the exhibits containing the equipment and supplies for use in turf culture and golf course maintenance in 1929

Buckner Mfg. Company

Fresno, California

BOOTH NO. 10—BALL ROOM

THE Buckner Mfg. Company will exhibit everything that is necessary for modern methods of golf course irrigation. This will include the outstanding development in slow motion sprinklers as well as the automatic or self-closing valves for use in the hoseless method of irrigation.

They are also getting out a new and comprehensive catalog which will be found in the booth at Buffalo, and will also have two representatives there, both direct from the factory. Mr. J. B. Buckner will represent their products in general and Mr. H. L. Buhse will be a special representative in the interest of Snap Valves and hoseless irrigation. In addition to this, they will be associated with J. Oliver Johnson, their Chicago district distributor, as well as Wendell P. Miller who specializes on the Buckner hoseless system of irrigation in the East. The makers claim that the Golf King Slow Motion sprinkler with automatic valve will water a greater area more uniformly than any sprinkler ever developed, and has absolutely no metal bearings or other delicate parts to get out of order. The Buckner Mfg. Company guarantees all of their products unqualifiedly to give satisfactory service.

L. R. Nelson Mfg. Company

Peoria, Illinois

BOOTH NO. 15—BALL ROOM

L. R. NELSON Mfg. Company will exhibit their famous Lark Golf Sprinkler which is particularly suitable for sprinkling golf greens and fairways. In addition they will show a full line of lawn brass goods, such as sprinklers, nozzles, couplings, menders and clamps.

The Lark Sprinkler covers an area evenly up to one hundred and fifty feet. The main stream soars far out, revolving very slowly and covering a broad outer circle. The small rotor turns at moderate speed, completing the even distribution to the center; its vibrating impulse, a patented feature, makes possible the perfect control of the main stream at slow speed, the far throw of the main stream and its scattered rain-like distribution.

The roller base prevents damage to greens and allows changing position without shutting off the water.

The Nelson Company also makes a series of smaller sprinklers for tees, lawns and flower gardens, among them being the "Whirling Fairy" sprinkler which covers an area up to fifty feet. This sprinkler sells for a very low price and its long life is insured by the perfectly balanced, smooth running, double bearing, which is self-closing against leakage. It is built strong with non-breakable, malleable base.

Greenkeepers who have to use several lengths of hose will be interested in the self-fastening hose coupling which connects the hose quickly and effectively, also in the corrugated hose coupling made of heavy wrought brass which has a very large waterway and deep corrugations. This is made in sizes up to 1 inch.

The exhibit will be in charge of M. A. Hood and A. E. Giles.

Grasselli Chemical Company

Cleveland, Ohio

BOOTH NO. 31—FOYER

THE Grasselli Chemical Co. will exhibit a new fertilizer marketed under the trade mark of three red G's, symbolic of Grasselli Grass Grower. The analysis is as follows, 10 per cent ammonia, 6 per cent phosphoric acid and 4 per cent potash.

It is purely mineral containing no obnoxious weed seed or organic matter to ferment and cause disease in soil or in turf. It does not contain animal or vegetable matter to draw ants or other insects. Experiments for the past few years have proven it to be an ideal golf course fertilizer suitable for greens as well as fairways. It will be packed only in 50-pound paper sacks.

In addition to this fertilizer they will exhibit Grasselli Arsenate of Lead Powder and Grasselli Manganar (Manganese Arsenate) which are recommended for golf course poisoning.

The exhibit will be in charge of Mr. J. O. Montague, who will be assisted by their distributors, The Chemical Sales Corp., 1392 Niagara Street, Buffalo, N. Y.

Milwaukee Sewerage Commission

Milwaukee, Wisconsin

BOOTH NO. 19—BALL ROOM

THE Sewerage Commission of Milwaukee will occupy a prominent booth where they will present the merits of Milorganite which during 1928 was used on more than one thousand golf courses and in tonnage the increase was almost three times that of the preceding year. Present indications point to even larger demand the coming season, and in anticipation of this, ample reserves have been accumulated to insure prompt spring shipment.

Milorganite is a unique product, in that it represents the first successful attempt to recover and convert the plant food constituents of sewage into a valuable and usable fertilizer. It is an "activated sludge," being produced by the so-called activated sludge process and hence should not be confused with the sludges recovered from the ordinary and more commonly used septic and Imhoff tanks. These are inferior, containing much less plant food of lower availability and possess poor mechanical condition.

Milorganite is an organic nitrogen fertilizer, guaranteed to contain not less than 6 per cent nitrogen (equivalent to ammonia) and 2 per cent phosphoric acid. Only about ten per cent of its nitrogen is water soluble. In mechanical condition it is unsurpassed, flowing freely through any good fertilizer distributor, and due to the absence of fine dust can be applied even when moderately windy.

Clubs desiring to make light applications of lead arsenate, sulphate of ammonia, etc., find Milorganite the ideal carrier. It absorbs these materials, furnishes bulk to permit uniform distribution, and also supplies valuable slowly available nitrogen.

Milorganite is most extensively used on fairways.

Convenient Shelter Canopies

for Your Course

Caswell Adjustable Canopies

BEAUTIFY THE COURSE, protect from intense heat, shelter from rain, provide shade at congested tees and add to the pleasure and comfort of the game. THEY ARE ARTISTICALLY AND SUBSTANTIALLY BUILT of high grade material and are quickly installed. They are instantly adjusted against rain and sun and easily removed for winter storage.

Send for full details today

Caswell Manufacturing Co. - - Cherokee, Iowa



Besides its free flowing qualities, the low content of water soluble nitrogen provides for longer feeding, because soil processes gradually convert the water insoluble nitrogen into available form. Many clubs find Milorganite to be an excellent source of organic nitrogen for greens, and use it to supplant or supplement manure in the top dressing.

Representatives of the Sewerage Commission will be in continuous attendance and will be pleased to discuss specific problems relating to soils and fertilizers.

Whitney-Eckstein Seed Company

Buffalo, New York

BOOTH NO. 40—FOYER

WHITNEY-ECKSTEIN Seed Co. will exhibit samples of all grass seeds used in the successful

making of golf courses, polo fields, stadiums, etc. The exhibit will be in charge of two of their representatives, Mr. C. P. Hart, assistant secretary, and Mr. Ira L. Behling.

Reade Mfg. Company

Jersey City, New Jersey


BOOTH NO. 25—FOYER

READE Manufacturing Company of Jersey City will exhibit their products "Electric" Worm Eradicator and their 50-gallon Sprinkler cart for applying this material.

They will also exhibit their product "Herbicide" which is used for getting rid of undesirable weed growth on roadways and tennis courts, and in sand traps.

Mr. E. E. Prarie will be in charge of the exhibit.

Keep weeds out of Golf ~ Sow Scott's Seed



for every dot there is a golf club that sows SCOTT'S SEED

And this is why they sow it. In the words of a Pennsylvania Greens Chairman: "We seeded our 9 hole course with Scott's Seed and many golf enthusiasts pronounce it the best year-old turf they have ever seen. Our 9 greens were sowed with your German Bent and today there is surprisingly thick green turf. Now you know what I think of Scott's Seed." For the good of your course get more facts about Scott's Seed before you buy.

O. M. SCOTT & SONS CO.
Marysville, Ohio

The Lark Sprinkler

For
Golf Greens and Fairways



Gearless

It Sprinkles Evenly Up to 150 Feet

YOU WANT volume and large coverage; you want even distribution; and you want a sprinkler that is always ready for business when you are ready for sprinkling.

The Answer is
"THE LARK—THIS SEASON"

A trial sprinkler postpaid, returnable in 15 days at our expense if not satisfactory.

L. R. NELSON MFG. CO.
Peoria, Illinois

Toro Manufacturing Co.

Minneapolis, Minn.

BOOTH NO. 1—BALL ROOM

THE Toro Manufacturing Company, Minneapolis, Minnesota, will have on exhibit practically a complete line including their Old Reliable standard pushtype tractor, their new improved fairway mower and putting green mower, top dresser, new model dump wagon, greens brush, discer, grinder, and pulltype tractor.

For the 1929 show, a much larger space is available than in the one held at Detroit last year, and we will have a much more complete showing of the general line. The old reliable standard tractor, which had to be left out of the show last year on account of not being able to get it in, will be shown, and also the putting green mower, top dresser, and the other well known machines that have been familiar to the men in the fields for years gone by.

In addition to the older items, the Company will have a new improved grinder, which represents a distinct improvement over anything

on the market up to this time. This new grinder will no doubt prove interesting to a large number of the attending greenkeepers.

There will also be a new all steel dump wagon which will have many features not found on the old model. Then there is the new greens brush and discer, and several other labor saving machines which we expect to have ready by that time.

Mr. K. E. Goit will be in charge of the exhibit, and in addition the genial Scotchman, M. R. McLaren, will be on the job to answer any questions. Among the out-of-town Toro men who will visit the show are J. Oliver Johnson and H. S. Bailey of Chicago, F. J. Fellman, Detroit, A. E. Flack, Cleveland, T. L. Gustin, Philadelphia, W. E. Lafkin, New York, and O. O. Clapper, Boston.

The Greenkeepers' Show is the only public golf show at which Toro will exhibit this year.

Ideal Power Lawn Mower Co.

Lansing, Michigan

BOOTH NO. 2—BALL ROOM

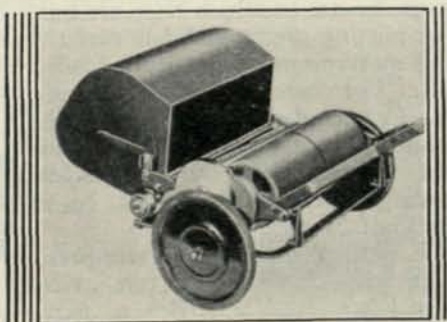
IDEAL Power Lawn Mower Co. will exhibit one complete five gang fairway mower with frame and units, this mower to be equipped with the new improved Bulldog cutting unit that has a new simple adjustment and newly designed wheels, gear casing and larger wheel bearings, together with improved and larger wood rollers. For close inspection one of the Bulldog units will be mounted on convenient display stand.

Two of the new Ideal roller type greens mowers will be on display, one being fully equipped with carrier and grass catcher, while the other one will also be mounted on display stand for convenience in carefully inspecting the mechanism of the machine.

In the line of power mowers will be shown the Ideal "Twenty-five"

wheel type Model "S," this machine being of a size and character best suited to golf work and a mower that is used by many clubs for mowing approaches, tees, clubhouse lawns, etc.

This exhibit will also include the Ideal golf cart, the new Ideal turf repairer, hole cutter, hole rims, tee



NEW IDEAL MOWER

stands, flag poles, flags, ball washers, and a few other items of small miscellaneous maintenance equipment.

The Ideal exhibit will be in charge of Mr. R. E. Bradley, T. L. Beattie, and H. H. Nichols, three of our factory representatives who are devoting special attention to the work in the golf field.

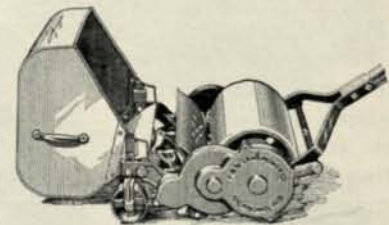
F & N LAWN MOWER COMPANY

Richmond, Indiana

BOOTH NO. 30—FOYER

THE F & N Lawn Mower Company will exhibit their Fairway and Putting Green mowers.

Their improved fairway mowers are in 3 and 5 gang sets. The



F AND N PUTTING GREEN MOWER

frames are made of all steel and malleable iron, guaranteed unbreakable. Built with plenty of flexibility, will go any place your tractor will run regardless of the contour of the ground.

Titan Mowers are especially built for heavy tractor service and are fully guaranteed to be the best lawn mowers built in this country for a service of this kind. These mowers have many exclusive features that other mowers do not have. The 17 in. drive wheel revolves on a double set of Timken roller bearings, adjustable. The reel revolves on Timken roller bearings, automatically adjusted. We guarantee during the life of the mower the reel bearings will never be out of adjustment if properly lubricated.

All gears are cut from drop forged steel blanks, carbonized. The intermediate gear revolves on a Hyatt roller bearing. Our gear cases are oil tight, whereby these gears are continuously running in a bath of oil. Each mower has 8 sets of roller bearings with automatic gear



**"FRIEND"
GOLF
COURSE
SPRAYERS**

Large - medium - small. Double compartment tanks. For fairways, putting greens, trees and shrubs. A fast, effective method of eradicating Golf Course pests, and for the application of liquid fertilizers.

One of the smaller sprayers at work, driving a fine spray into sod of putting green with special Golf Gun.

See it at the
National Greenkeepers Convention

"FRIEND" MANUFACTURING CO. Gasport, N. Y.

*Do you buy Grass Seeds
by Sample or Price?*

Let us quote you on your Spring Seeding, with Samples. Our Special Grass Seed Circular is free.

**Henry A. Dreer
Seeds, Plants, Bulbs**

1306 Spring Garden St. Philadelphia, Pa.

ESTABLISHED 1838

shift to throw the mower in and out of gear.

The exhibit will be in charge of Mr. R. O. Allen, sales manager

cago manager; E. R. Sawtelle, eastern manager; J. Russell, Canadian manager.

Worthington Mower Company

Stroudsburg, Pennsylvania

BOOTH No. 3—BALL ROOM

**SHERWIN-WILLIAMS
COMPANY**

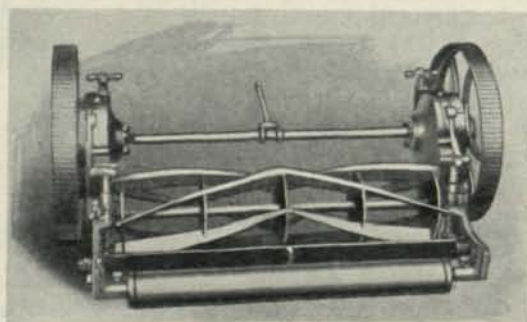
Cleveland, Ohio

BOOTH No. 9—BALL ROOM

THE Worthington Mower Co. will exhibit the Worthington standard mowing equipment for golf fairways, putting greens and lawns. In each case they will represent the latest improvements which should attract special attention. The Lawn Tractor has been improved over former models in that the rear end is strengthened and other parts slightly altered for reduction of its total weight. New flanged steel wheels are fitted.

The fairway unit has been improved in some of its details and of especial interest will be the seven bladed fly knife reel, now adopted as standard. This gives a longer life to the reel and a smoother cut to the fairway. A heavy lip bed knife steel is also used. Specially developed alloy steels are used in the reel blades and bed knife, steel insuring maximum wearing qualities. New and interesting features are also incorporated making the finest, lightest and strongest unit to be found anywhere.

The Overgreen and hand mowing units have been greatly improved, further simplifying their construction and ease of operation. Die castings have been introduced in many of its important details giving extreme lightness yet ample strength throughout. Special alloy steels are also used for the reel and



WORTHINGTON CUTTING UNIT

stationary knives of these smaller units.

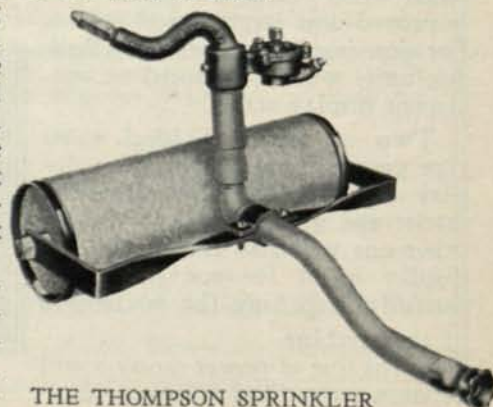
A distinctly new machine will be found in the Overlawn. This successful product can now be purchased with the Overgreen Tractor having a standard fairway 30 in. unit, or three 13 in. units producing a cutting swath of 36 in. or in three 18 in. units having a total cutting width of 48 in. These units of the 13 in. or 18 in. sizes can be furnished with five or seven blades in the flyknife reel depending upon the use to which they are put. For putting greens and fine turf the makers recommend the seven bladed reel. For coarser or heavier grasses, the five bladed machine will be found to be a wonderfully efficient and economical mower. The following representatives will be at the Golf Show:

E. H. Worthington, vice-president; R. S. Worthington, vice-president; R. VanderBeken, secretary-treasurer; J. B. Hurlock, Cleveland manager; J. C. Dee, Chi-

SHERWIN-WILLIAMS Company will exhibit a specially prepared Arsenate of Lead which they are featuring under the trade name of NAGA. This name is chosen to distinguish the Sherwin-Williams product from other lead arsenates on the market. NAGA is the most effective dressing because it is lighter, fluffier, and more finely ground. It can be applied uniformly and more of it is taken into the small mouth parts of grubs and worms and so it is more effective than ordinary coarse materials.

NAGA is effective in worm control and is said to check chickweed on the greens, all of which is in addition to the well established fact that it is practically the only known remedy for the control of grubs.

Included in this exhibit will also be specimens of insects that attack turf and the company representative will be present at the booth to answer questions concerning the use of Arsenate of Lead.



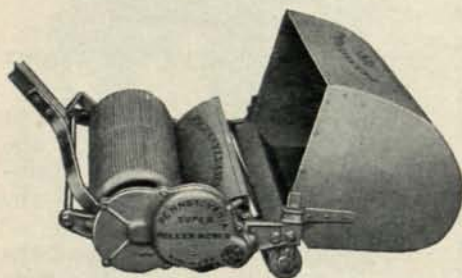
THE THOMPSON SPRINKLER

**PENNSYLVANIA LAWN
MOWER WORKS**

Philadelphia, Pa.

BOOTH NO. 5—BALL ROOM

PENNSYLVANIA Lawn Mower Works, one of the oldest companies in the business, will exhibit the following mowers: Pennsyl-

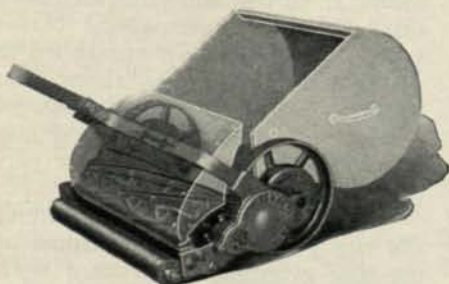


PENNSYLVANIA SUPER ROLLER MOWER

vania Fairway Quint, New Aristocrat, Junior Ball Bearing, Super Great American Ball Bearing, Pennsylvania Super Roller mower.

These mowers are for all classes of golf course mowing, namely: fairways, greens, approaches, tees and general trimming.

They propose also to exhibit a 50-year old Pennsylvania mower, and an English made machine that is probably 65 years, or even older.



THE PENNSYLVANIA ARISTOCRAT

They are trying now to get some data on this, as they believe it will prove of interest to greenkeepers,

especially those coming from Great Britain.

The exhibit will be in charge of Mr. W. F. H. Braun, secretary and treasurer of the company, and Mr. N. D. Perine, assistant sales manager.

A number of their agents from all sections of the country have signified their intention of attending the Show.

**ROSEMAN TRACTOR
MOWER COMPANY**

Evanston, Illinois

BOOTH NO. 22—BALL ROOM

THE Roseman Tractor Mower Company will exhibit one of their Roller Type Single Units, together with photographs of the balance of their equipment.

The Roseman Mowers are ganged in sets with three, five and seven and have special features of design and construction not seen in any other outfit. The Roseman Unit is operated by a roller instead of wheels which serves to give the fairways a smooth, healthy appearance just like the putting greens where roller type mowers are used.

The construction of the Roseman Mower Unit is unusually strong and only high grade materials are used which results in exceedingly long life and freedom from repairs and replacements. Non-breakable malleable iron is used for the side frames, gear cover and other parts which are frequently damaged in service. The exhibit will be in charge of Mr. R. D. Cunningham, general manager of the company,

who will be assisted by Stephen Zick.

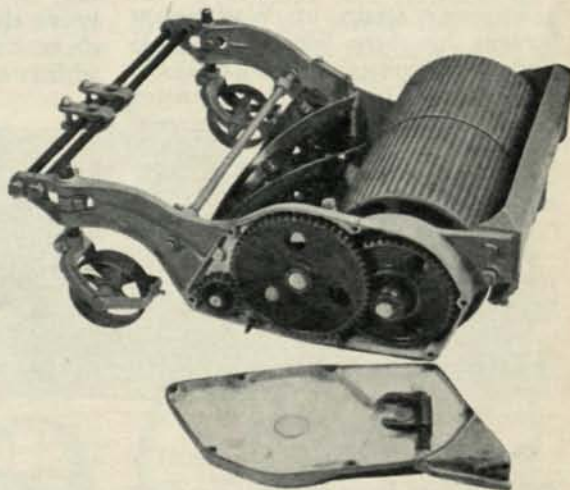
LYMAN CARRIER, INC.

Granger, Indiana

BOOTH NO. 13—BALL ROOM

LYMAN Carrier, Inc., will exhibit a complete line of its products consisting of Lecco, a fertilizer, Cocos Bent seed and Washington Stolons.

Lecco is a result of about twenty years' study and research work on the part of Mr. Carrier who has practically all his life been connected with agricultural and golf course work. He claims for Lecco that it is a complete and balanced ration



ROSEMAN CUTTING UNIT WITH SIDE PLATE REMOVED TO SHOW GEAR MECHANISM

for grass and that the use of it does away with the compost pile.

Cocos Bent seed has been much discussed in golf circles and has many adherents who claim that it produces very satisfactory turf for putting greens. It comes from the tide water valleys in Washington and Oregon and as its name *Agrostis Maritima* indicates, it is a Seaside

Cedarcraft

Foursome Bag Stand
Keep the bags clean
Green Varnished
finish

**Michigan Cedarcraft
Company**
Greenbush, Mich.



Place
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at
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Write for
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- B-Bird Houses
- F-Fencing
- U-Furniture
- G-Golf Equip-
ment, Bridges,
etc.

Send Catalogue No.
To
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City State (N.G.)

**The Better The Soil,
The Better The Green**

Hyper-Humus improves the green by first improving the soil. Many greenkeepers now use this formula for greens' top-dressing: Mix sharp sand, good top soil and Hyper-Humus equal parts by volume. Apply 6 inches deep before seeding new greens or mulch between grass crowns on old greens.

Quick deliveries from winter stock

Write for prices and FREE Booklet

HYPER-HUMUS COMPANY
48 Park Place Newton, N. J.



TRADE MARK REG.
Hyper-Humus
Makes Greener Greens



READE'S FAMOUS WORM ERADICATOR

variety, which means a true strain which thrives well under proper conditions.

Carrier's strain of Washington Stolons has been for several years under development in the gardens at Granger. This strain originated from turf selected from the nurseries at Washington which were developed by Mr. Carrier himself at the time he was a member of the U. S. G. A. Green Section.

The exhibit will be in charge of Arthur Boggs, R. C. Thomas and M. D. LaMoreaux.

THE FATE-ROOT-HEATH COMPANY

Plymouth, Ohio

BOOTH NO. 24—BALL ROOM

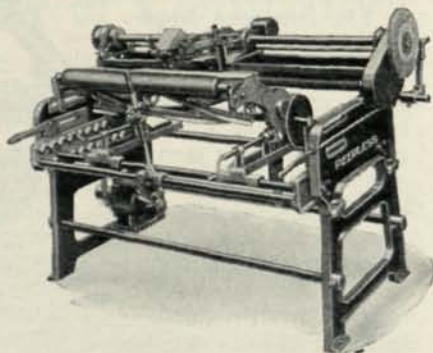
THE Fate-Root-Heath Company will exhibit the Peerless Mower Sharpener and will show the machine in operation under the direction of Floyd Anderson, superintendent of the Mower Sharpener department.

This machine is designed to meet the demand for a sharpener to grind horse and power as well as hand mowers, and is the machine used by golf and country clubs, municipalities, etc. The Peerless will grind the spiral knives of the 30 in. units and hand mowers

without removing them from the mower, and the longer spirals up to and including 40 in. can be ground by removing them from the mower and placing them on the V rests of the mower supports.

The grinding arm is carried on a heavy planed bed and the main drive shaft drives only the hub carrying the sprocket. The shaft is free and carries no weight except the hub. The main shaft has New Departure Ball Bearings. The feed screw is 1 1/8 in. in diameter and six threads to the inch.

The Peerless is equipped with rapid traverse reversing screw which returns the grinding head to the left side or starting point. This relieves the operator of considerable effort. A supporting rest has been added which permits the sharpen-



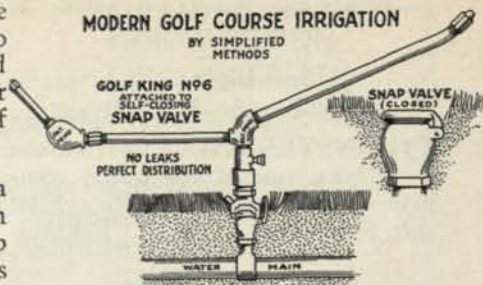
PEERLESS MOWER SHARPENER

ing of putting green mowers with 8 in. rollers behind the cutting reel.

The grinding wheel is 5 in. diameter and is carried on special ball bearing hub, and driven by means of high grade steel bicycle chain. All parts are interchangeable, and renewable at slight expense. The arm which carries the grinding wheel is adjustable to take up the wear of the chain and is equipped with a dust guard which can be raised while making the adjustments.

MODERN GOLF COURSE IRRIGATION

BY SIMPLIFIED METHODS



BUCKNER SPRINKLER EQUIPMENT

The belt shifter is operated at the right hand side, which is the most convenient place and is equipped with a brake which stops the grinder quickly.

The 30 in. units are ground the same as hand mowers. The time required after making adjustments is nine minutes, including the time of changing from one blade to the next. Hand mowers can be ground in 15 to 20 minutes including the time of adjusting the mower in the machine.

HENRY H. DOTY

Highland Park, Illinois
BOOTH NO. 27—FOYER

HENRY H. DOTY will exhibit the Hardinge Lawn Mower Sharpener which is designed to sharpen quickly and accurately any kind of lawn mower, including mowers with herringbone blades from the smallest toy variety up to 30-inch. The makers claim that this machine is almost fool-proof and does not require an expert mechanic to sharpen any mower perfectly and quickly.

The machine is designed around the cup grinding wheel, instead of the disc grinding wheel used with other lawn mower sharpeners.

The cup-shaped grinding wheel, it is claimed, is the only form of wheel that will grind the three places on any type of lawn mower that must be ground to put the ma-

A full line of Course Equipment



Write for Catalog and Prices

FREIDAG MFG. CO., Freeport, Ill.

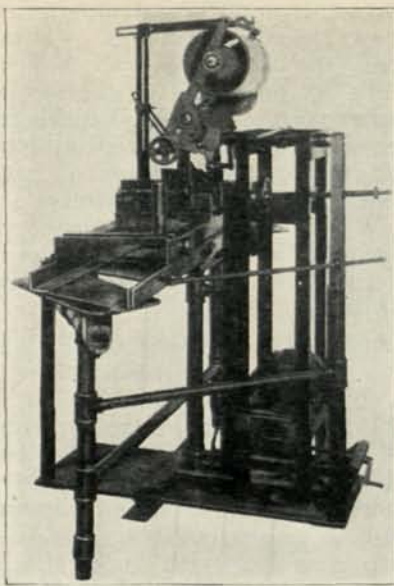
Since 1875

Tested Radway's 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.
115 BROAD STREET NEW YORK
Phone Bowling Green 3373
Seed Importers and Refiners



THE HARDINGE MOWER SHARPENER

chine in first class cutting condition—they are: front edge of the ground blade, inside surface of the ground blade, reel blades.

It is also the only type of grinding wheel, so the makers claim, that will grind clearance on the inside surface of the ground blade without giving it a hollow ground clearance or hitting the back of the blade holder. The spindle carrying the grinding wheel has ball bearings that are grit proof.

One of the greatest advantages of the Hardinge Lawn Mower Sharpener is the ease and speed with which the change from ground blade to reel is made. The swivel carriage makes the grinding of a herringbone blade mower as easy as any other type.

In the Hardinge Lawn Mower Sharpener the movable carriage operates on a planed track that is absolutely straight so that both the reel and the blade are ground parallel. The result is a first class mechanical job.

The exhibit will be in charge of Henry H. Doty and Arthur Johnson.

THE HARDIE MANUFACTURING COMPANY

Hudson, Michigan

BOOTH NO. 21—BALL ROOM

THE Hardie Mfg. Company will exhibit two complete power pressure golf sprayers, with equipment. This company has for the past twenty-eight years been engaged in the manufacture of hand and power sprayers and are practically pioneers in the industry.

While generally used in orchards, the Hardie sprayer is well adapted for golf course use because it is both light in weight and powerful in operation and can be moved about the golf course with ease. It is made in

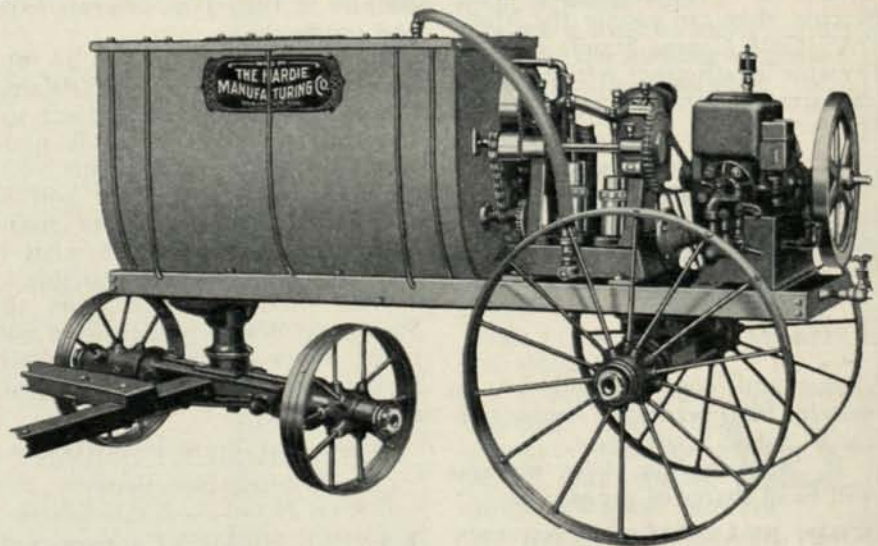
and cut down the labor cost. The company claims that the Hardie sprayer will pay for itself in economical saving of labor and material in one, or at the most two seasons, because in addition to the golf course itself it can be used successfully in spraying shrubs and trees which beautify the club grounds.

Mr. H. B. Spencer, General Traveler and E. B. Stilson, sales manager, will be in attendance at the Hardie exhibit.

AMOS F. HUBBARD

N. Kingsville, Ohio

AMOS F. Hubbard will have an interesting exhibit of bent grass turf which has been nurtured in a greenhouse all winter and will be shown at Buffalo just as it grows on the golf course in the summer time.



THE HARDIE ALL PURPOSE SPRAYER

many sizes, from one hundred to three hundred gallon tank capacity and with pressures from three hundred pounds up to as high as six hundred pounds.

This company realizes that the tendency in golf course maintenance is to buy more and better machinery

The several strains of creeping bent grown from stolons offer an interesting comparison. This grass was all raised on the same soil and consists of the following varieties, Metropolitan Nursery Row and Turf developed from stock from Stump & Walter.—Metropolitan.

Buy Natural Fertilizers

Best For Your Turf & Shrubs

Cow Manure—Well rotted, no straw. Truck load—4 cu. yards.....	\$15.00
Horse Manure—Well rotted. Truck load—4 cu. yards.....	13.50
Horse Manure—Fresh. Truck load—4 cu. yards.....	12.00

100 yards or more at a substantial price reduction.
Price includes delivery free anywhere in Cuyahoga County.

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REFINED
GRASS SEED
AND
COMPLETE EQUIPMENT
FOR
GOLF COURSES

Send for Catalog and Grass Seed Price List

Distributors
Worthington Mowing Equipment
Nu-Green Semesan

AMERICAN SEED COMPANY
DETROIT, MICH.

"Quality Grass Seed for a Quarter Century"

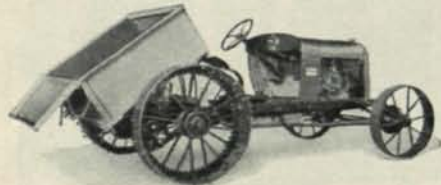
developed from stock received from Arlington Nurseries,—N u r s e r y stock and turf, Washington Strain from Arlington.—Nursery stock and turf, Velvet turf from Arlington four years old.

These grasses will be exhibited in two trays and will undoubtedly be of great interest to greenkeepers.

E. G. STAUDE
MAK-A-TRACTOR CO.
Saint Paul, Minnesota
BOOTHS No. 16 AND 17—
BALL ROOM

THE exhibit of the E. G. Staude Mak-A-Tractor Co., at the Golf show will consist of the new Model "A" Staude General Utility Golf Course Tractor using the new Model "A" Ford chassis.

For those who already have the Model "A" Ford chassis part of the tractor, they can supply the Model "A" Golf Course Staude Mak-A-Tractor attachment, which anyone can attach to the Model "A" Ford



STAUDE TRACTOR AND CART

chassis and convert same into a proven, high grade golf course tractor in a few hours' time.

R. A. Ferguson, sales manager will be in charge of the exhibit.

JOHN BEAN MFG. COMPANY
Lansing, Michigan
BOOTH No. 14—BALL ROOM

JOHN Bean Mfg. Company will exhibit a Bean spraying outfit which as everyone knows has been very successfully used for golf course work and particularly at the Wilmington Country Club, Wilmington, Delaware.

The company states that while they will only show one representative outfit they will have literature and specifications to meet the special requirements of clubs in various parts of the country. In other words the Bean Co. has a sprayer, not only to meet the particular conditions which confront the greenkeeper but to fit the purse of the club he represents.

Mr. William Abildgaard, sales manager will be in charge of this exhibit, and extends a cordial welcome to greenkeepers to visit him at his booth.

STUMPP & WALTER CO.
New York City, N. Y.
BOOTH No. 7—BALL ROOM

STUMPP & Walter Company will exhibit a line of golf course equipment, together with samples of their famous grass seeds and fertilizers.

It is hardly necessary to go into detail because the Stumpp & Walter line is well-known throughout the country. In addition it is quite possible that this company will have a novel display that will be of unusual interest to every greenkeeper, but the details of what it will consist of are not available.

The following men from the Stumpp & Walter organization will be in charge of the exhibit: J. H. Melady, W. Lee Bates and A. Schlemeyer.

HYPER-HUMUS COMPANY
Newton, New Jersey
BOOTH No. 12—BALL ROOM

HYPER-HUMUS Company will exhibit their product, Hyper-Humus showing its use as a compost and top-dressing for golf greens. This will be worked out with "plates" and small exhibits of the mixtures.

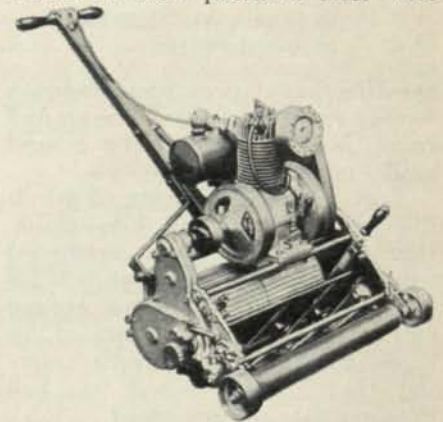
The use of humus in the preparation of soil for seed beds, particularly for putting greens is well-

known. Its moisture retaining properties through dry, hot weather keeps the turf green and healthy while its properties of contraction and expansion open up channels for the access of water and plant food and the egress of poisonous gases which accumulate in the soil.

W. P. Troxel, sales manager, George B. Warder, Jr., and Giles P. Wetherill will be in charge of this exhibit.

JACOBSEN MFG. COMPANY
Racine, Wisconsin
BOOTH No. 6—BALL ROOM

THE Jacobsen Manufacturing Company will exhibit their latest improved models of Jacobsen Power Putting Green Mowers built in two sizes, 19 inch and 24 inch, together with such attachments as their patented steel wire



JACOBSEN POWER PUTTING GREEN MOWER

brush for brushing bent greens and a power transport for conveying Jacobsen greens mowers about the course.

They will also exhibit their 4-Acre Heavy Duty Mower such as used by many courses for mowing bunkers and other places inaccessible to hand and fairway units.

The Jacobsen exhibit will be in charge of their Ohio representative. (Concluded on page 42)



That 1929 DRAINAGE BUDGET

should be provided for NOW if you want a longer, better playing season and lower maintenance costs.

WENDELL P. MILLER
and Associates

Golf Course Drainage

208 So. LaSalle St.
CHICAGO

85 East Gay St.
COLUMBUS, O.

The Raining Sprinkler

When you receive our sprinklers it is a value you will not get elsewhere. Buy the new type low down on metal rollers for greens or fairways, "0" and "00."

Number 1 automatic traveler covers a green and before it cuts off has sprinkled one hundred and twenty-five feet on the approach of the fairway. This most practical way to get even spread of water, should be tried out by the greenkeepers.

THE PELICAN WORKS
NILES, MICHIGAN

Greenkeepers' Golf Show

(Concluded from page 38)

NOTICE
All greenkeepers who cannot attend the Golf Show are requested to drop a postcard to the exhibitors at their factory address and new catalogs describing their products will be mailed free of charge.

Mr. A. H. Roper, and if possible, the following representatives of this company will also be in attendance: Mr. John B. Pol from the factory and Mr. Louis Bailly-Blanchard from the New York office.

J. OLIVER JOHNSON, INC.
Chicago, Illinois

BOOTH NO. 11—BALL ROOM
J. OLIVER Johnson, Inc., will not attempt to exhibit their entire line of golf equipment but will have an attractive booth and will distribute to greenkeepers, chairmen, golf club officials and others interested a copy of their new catalogue, entitled, "Seeds of Success." This new 1929 catalogue illustrates and describes about everything needed in the equipment of a golf course and will be of great interest to those who have maintenance problems to solve.

The exhibit will be in charge of Mr. H. S. Bailey, manager of the golf department, who is very well known and very well liked in the golf field.

TORO ASSOCIATES

BOOTH NO. 4—BALL ROOM
TORO Associates, as the name applies, will exhibit Toro mowing machinery and a large line of accessories and golf course equipment which they handle in various parts of the country. Following is the personnel of Toro dealers who will be at the Golf Show.

From Cleveland there will be: Mr. A. E. Flack, Mr. H. J. Streich, and Mr. John Alves.

From the Friend Mfg. Company: Mr. W. C. Tyson.

From Indianapolis: Mr. B. K. Cohee.

From Detroit: Mr. F. J. Feldman and Mr. W. E. Blankinship.

From Rochester: Mr. O. W. Bentley and Mr. E. T. Leake.

From Philadelphia: Mr. L. T. Gustin.

From New York Toro Co.: Mr. W. E. Lafkin.

From New England Toro Co.: Mr. O. O. Clapper.

Messrs. Flack & Streich will introduce at the show, a Dunham Turf-AIR-ator, their Cleveline Sprinkler barrel, Steel Flag Pole, Putter Hole Cup and Hole Cutter. In addition to their line, a Golf Wheelbarrow.

Mr. Gustin will display the full Economy sprinkler line, a champion Sod Cutter, Fletcher Steel Products and an Invisible Hose Reel.

Mr. Tyson will exhibit a Friend Model K Golf Spray.

GREENKEEPING YESTERDAY AND TODAY

(Concluded from page 12)

I have endeavored to lay before you our methods of the past and present regarding greenkeeping. What the future has in store for us, I do not know.

But I am inclined to believe, with so many new courses being constructed with the intention of further progress, the greenkeeper, who is aiming to give the services that will be demanded, will be compelled to be well versed in botany, and plant pathology. While we all realize that the best education he may get is from practical knowledge, yet I am of the opinion that knowledge along theoretical lines helps.

In the many callings of life, there are many vocations where one can, by perseverance, industry and skill, reach the top of the ladder of fame, but greenkeeping is one a few where it is impossible to reach it, for nature, Mother Earth, will not let him. She will only allow him to go so far and no further.

She is looking forward to the protection of future generations, and when we endeavor to try and get ahead of Nature, she penalizes us by producing insects, bugs and various fungus diseases in order to check us.

Greenkeeping really belongs to the Arts and Sciences; for Art creates what Science discovers.

FAIRWAY WATERING

(Concluded from page 15)
400 g. p. m. and has not been lowered an inch so the capacity is ample.

The vertical lift centrifugal pump is noiseless, a valuable feature in installations near club houses, and has practically no vibration. The pump is direct connected to a pressure storage tank and with flap valves, automatic pressure regulators and various safety devices, it makes a fairly fool-proof installation.

Radwaner Guarantees Seed

All the grass seeds which sell for golf courses are sold by the I. L. Radwaner Seed Co., seed merchants, 115 Broad St., New York, under the guarantee that after the merchandise is received by the ultimate user, he is to sample each lot of seed they send and mail a 4 oz. package to the U. S. Dept. of Agriculture at Washington, D. C., for testing purposes. Within a few days the department will notify the sender of the sample what the exact purity and true variety of the article is. If the goods they ship out are not in everyway as represented, they are at once to be returned at their expense before they are being used.

Through this method this company wants to assure the public that they will buy their Bent Grasses, their Fescues, and their ingredients with a positive guarantee by a test of the official Government agency, which is made free of charge, that the seed which will be planted on the golf course is absolutely as required by the party ordering same.

Of course the Radwaner Co. would be willing to furnish private laboratory tests with each lot of seed they ship, but advise their buyers to mail their samples to Government or State Agricultural stations in order to be quite sure that what they intended planting is the article bargained for.

