

What To See At Louisville

A BRIEF DESCRIPTION OF SOME OF THE EXHIBITS OF MACHINERY, SUPPLIES
AND EQUIPMENT FOR GOLF COURSE MAINTENANCE

Standard Manufacturing Company

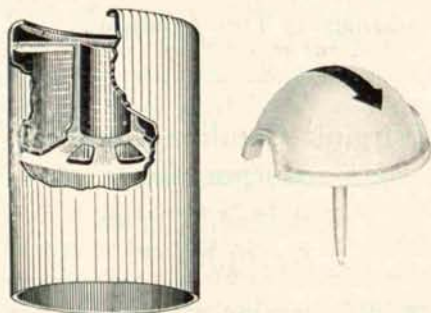
Cedar Falls, Iowa

BOOTH NO. 43

THIS company will exhibit a complete line of Standard golf course accessories, especially featuring their new steel flagpole, hole rims, bag rack and tee markers, together with a variety of aluminum signs which they make particularly for golf courses.

The new Standard tee marker is an improvement over the one made last year, being furnished with an arrow to indicate the line of play. It is made of aluminum, is always bright and is light and easy to handle.

Greenkeepers will be particularly interested in the rust-proof Standard hole rim, which is cast in Aluminum in one piece. The rim is ab-



STANDARD HOLE CUTTER AND
TEE MARKER

solutely smooth on the outside and is tapered slightly so that it can be removed easily and without injury to the grass. The pole socket is very deep and held in place by a special web reinforcing cast integral with the shell. Its open construction provides complete drainage when the flagpole is in place.

Mr. W. H. Voorhees, president and general manager of the company, will have charge of the exhibit.

Ideal Power Lawn Mower Company

Lansing, Michigan

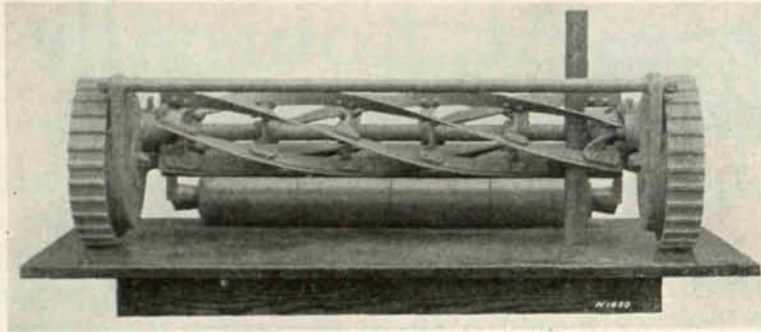
BOOTHS, NO. 9, 11 AND 13

THE Ideal Exhibit this year will be larger and better than ever before. Announcement of new low prices on Ideal "Bulldog" fairway mowers will be made for the first time at the Show.

A new light weight "Bulldog" Golf tractor will be on display with a new 3-unit Rough mower. This new rough cutter is built just for cutting roughs. It is not necessary to hoist up the rear of the units to get the correct height of cut—these special units cut at the correct height when in normal position. The

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NEW IDEAL UNIT FOR CUTTING ROUGHS

units are used with the regular standard Ideal "Bulldog" Fairway mower frames, either 3-unit or 5-unit size.

A complete Ideal "Bulldog" 5-Unit Fairway mower will be shown. Ideal claims that their exclusive patented construction—which makes possible the use of a low-wheeled, compact cutting unit—insures a better cutting job, and that a "Bulldog" outfit will give service over a period of years at less upkeep cost per season than any other large capacity mower.

The Ideal Roller-Type Greens mowers with latest improvements will be shown. A complete mower will be on display, as well as mowers on special display stands.

Two Ideal Power mowers will be shown, the Ideal "Twenty-five" and the Ideal "Twenty". The "Twenty" is now offered with two clutches if desired—one clutch for the drive wheels and one for the cutting reel. This extra clutch adds to ease of handling and greatly increases the utility of the outfit. Ideal Power mowers are very popular for mowing approaches, club house lawns, and for general mowing about the golf course.

The Ideal Golf cart, and the well known Kemp Shredder will be shown. Also, several small items such as flags, flag poles, hole rims, etc., will be displayed.

Ideal invites everyone to visit their display. Representatives will be there to welcome you.

Toro Manufacturing Co.

3042-3160 Snelling Ave.

Minneapolis, Minn.

BOOTH NO. 1

THE Toro exhibit at Louisville, the largest in the show, will be complete in every detail and will have on display not only a number of new items that the company is bringing out this year, but in addition they will have a showing of some of their standard items so familiar to the trade in years gone by.

The main objects of interest, however, will be in their new machines—the power putting green mower, the new Toro Junior tractor, the Silver Flash and the Del Monte Greens rake, all of which



NEW TORO POWER PUTTING MOWER

will prove interesting to those attending the Convention.

A number of Toro distributors have signified their intention of being on hand for the Convention, and among those who are expected to be in attendance are W.E. Lafkin, of the New York Toro Company,



NEW TORO JUNIOR TRACTOR

T. L. Gustin, of the Philadelphia Toro Company, E. J. Smith, of Southeast Toro Company, Whitney Goit, of Kansas City, J. Oliver Johnson, of Chicago, F. J. Fell-



TORO SILVER FLASH MOWER

man, of the Lawn Equipment Corporation, Detroit, A. E. Flack, of the Golf Course Supply Company, Cleveland, and B. K. Cohee of the Indianapolis Toro Company.

Virginia-Carolina Chemical Corporation

Richmond, Virginia

BOOTH NO. 22

THIS company will have a very attractive exhibit at the Greenkeepers' Show in Louisville, featuring a fertilizer they call "Fairway" for golf courses and lawns.

In addition they will have photographs of golf courses and country clubs in many parts of the country where Fairway has been used. This company is one of the largest manufacturers of fertilizers in the country and maintains an extensive experimental department so that complete information regarding the action of various fertilizers will be available to greenkeepers who call at this Booth.

Worthington Mower Co.

Stroudsburg, Pa.

BOOTHS No. 31, 33 AND 35

THE Worthington Mower Company, which continues to specialize exclusively in lawn tractors and mowing machinery will show primarily their latest additions to this important field. Their exhibit will consist of the new Worthington lawn tractor with Model A Ford Motor; the "Multigang" or seven unit two row gang mower; the improved standard 30" cutting unit; the Overgreen having a cutting swath of 50 inches; the 18 inch "Special" hand mower.

The new model Lawn Tractor with Ford A Motor does not supersede their former model with Ford T Engine, but is offered as additional equipment. It is quite similar in general design in that it has the shortened wheel base enabling a small turning radius, absences of all unnecessary parts, thereby a reduction in total weight, but is equipped with the special patented features which gave to its colleague the enviable reputation of being the lightest and most efficient lawn tractor on the market.

The Worthington Lawn Tractor with model T Ford Motor has been improved and is offered as the standard machine for fairway cutting.

The "Multigang" is being introduced primarily for large fairways and aviation fields. Where the cutting time is of importance this machine, having a cutting swath of 16 feet, will mow a given area in 30 per cent less time than the "Quint" or five unit machine.

The fairway unit has been improved in some of its details. Special alloy steels are employed making this mower the finest, lightest and strongest unit to be found anywhere.

The "Overgreen" has been greatly improved and is now offered as the greatest contribution to golf main-



WORTHINGTON "OVERGREEN"
POWER MOWER

tenance since Worthington gave to the game of golf the gang mower for their fairways. Its rapid growth since its introduction to the cutting of greens, tees and approaches stamps it as the most remarkable and important machine ever offered.

The 18 inch "Special" hand mower is a most efficient and easy running machine, a high class product for heavy work on greens, tees, lawns, etc.

The following representatives will be at the Golf Show: E. H. Worthington, vice president; R. S. Worthington, vice president; R.

Who Will Win The Hundred Berries?



CHAS. ERICKSON
Minneapolis,
Minn.



JOE VALENTINE
Philadelphia,
Penna.

HERE they are—the men who will construct the putting greens at the 4th Annual Golf Show and Convention of the National Association of Greenkeepers of America at Louisville. On the left is "Charlie" Erickson, who for over thirty years has been greenkeeper at the great Minikahda Golf Club, Minneapolis. He is Captain of the Western team. On the right is Joe Valentine, veteran greenkeeper of the famous Merion Cricket Club of Philadelphia, where many National Championships have been played. Joe knows a putting green when he sees one and he knows too the very latest designs and how to build them.

Fred A. Burkhardt, chairman of the Show Committee has set aside two spaces in the center of the Show floor, each one twenty by thirty-two feet and will furnish the contestants with molding sand and white sand and whatever equipment is necessary to form up these greens to a scale in whatever way they want. The contestants will be given absolute freedom to choose any type of green they desire, but they must provide a drawing to scale three foot square showing the drainage lines because these cannot be indicated on the green itself.

John Morley will appoint a committee of disinterested people to act as judges and they will decide which green is the better for every purpose whereupon the Captain whose team wins the contest will receive a hundred dollars cash from the Show Committee.

Mr. Erickson had planned a trip to California but when he was notified that he was Captain of the Western team and realized how much fun they were going to have in Louisville, he cancelled his California trip and says he will be on the job with his sleeves rolled up. Neither Captain has announced the make-up of his team but they must be greenkeepers as the Committee announces that architects and pros are barred.

VanderBeken, secretary-treasurer; J. I. Blair, manager of factories; J. C. Dee, Chicago manager; J. B. Hurlock, Cleveland manager; J. C. Russell, Canadian manager.

O. M. Scott & Sons Company

Marysville, Ohio

BOOTH NO. 46

THIS exhibit at the National Greenkeepers Convention will consist of samples of Scott's Golf

Course Seeds and Scott's Turf Builder.

One interesting factor of the exhibit will be samples of Kentucky Blue Grass showing the various steps in the recleaning process from the rough seed, just as it comes from the stripper, to the very finest and heaviest quality of seed that it is possible to secure with the use of the very best recleaning equipment.

Mr. P. C. Williams will be in charge of the exhibit.

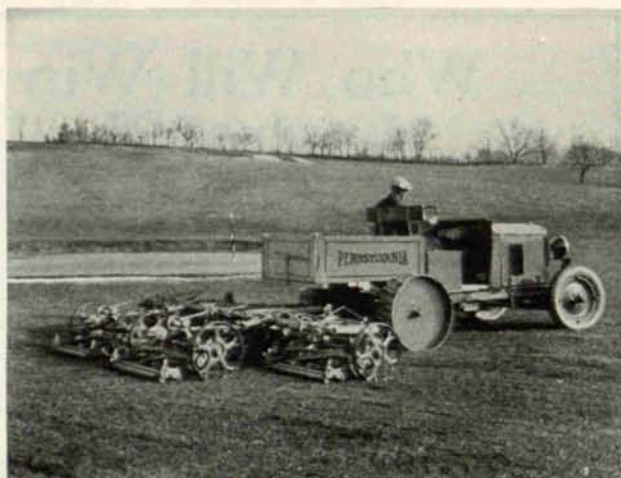
Pennsylvania Lawn Mower Works

1615-35 North 23rd Street

Philadelphia, Penna.

BOOTHS NOS. 27 AND 29

"QUALITY Leadership for 52 years," stands out as a beacon in the exhibit of the Pennsylvania Lawn Mower Works at the 4th Annual Greenkeepers' Golf Show. Always conservative but yet progressive the Pennsylvania line of mowing equipment attracts attention wherever it appears.



PENNSYLVANIA QUINT WITH 6 CYL. TRACTOR

The Louisville exhibit will include the following mowers—

1 Fairway Quint complete, with the new 6 cyl. Pennsylvania Chevrolet Tractor.

1 Super Roller complete.

1 New Aristocrat, 7-b la d e, greens mower complete.

1 Special Aristocrat with 6 blades, for cutting tees and approaches.

1 New Super Great American.

In the new Pennsylvania Tractor the company believes that it has developed for 1930 the only 6-cylinder tractor on the market. It has tremendous power and in carefully conducted trials last season negotiated the steepest hills without effort.

The Fairway units have been refined for the coming season and the company has received a great many

unsolicited testimonial letters from greenkeepers in various sections of the country expressing their satisfaction with the new Pennsylvania mowers. With a new 6-cylinder tractor and improved fairway unit, Pennsylvania is in position to answer the problem of fast economical mowing which the better golf clubs now demand of their greenkeepers. The Pennsylvania exhibit as in past years will be in charge of Mr. N. D. Perine.

E. G. Staude Mak-A-Tractor Co.

2675 University Avenue
Minneapolis, Minn.

BOOTH NO. 19

THIS company will exhibit the \$695.00 Model "A" Staude General Utility golf course tractor complete with cubic yard steel dump



STAUDE GOLF COURSE TRACTOR

body, in their space at the Greenkeepers' Convention.

Hundreds of greenkeepers have had a part in building the Staude General Utility Golf course tractor. That is why every possible use for a golf course tractor is taken into account in the building of this machine.

The Staude Company are specialists in this work and announce that the following are some of the striking features of the new Model "A."

Light weight—powerful as dynamite—a bear on hills. Adjustable Drawbar—any make of mower, roller, etc., can be easily attached to it. Can be used from the construction to the maintaining of a golf course. Built to do the work and lasts a life time. Easiest tractor to control and most economical to operate. Service available at any Ford dealer. Inexpensive to buy and repair costs are practically nothing.

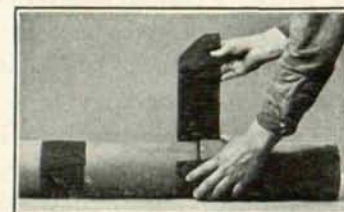
The Ric-Wil Company

Union Trust Bldg.

Cleveland, Ohio

BOOTH NO. 26

RIC-WIL Filter Tape will be exhibited and demonstrated by this company in their booth at the Louisville Show. It is used to wrap the joints of farm or bell-and-spigot tile, and being porous it allows the



water to filter through into the tile but keeps out sand and silt.

Ric-Wil Filter Tape is a porous woven fabric, processed with a solution that makes it water and acid

proof, preventing disintegration of the fabric and assuring a permanent joint. This solution also renders the fabric adhesive to tile surfaces and to itself, which eliminates the tying or wiring so necessary in using other kinds of material, an important saving of labor costs of installation.

Ric-Wil tape comes in handy rolls of fifty yards each in widths of 4, 6 and 9 inches. It can be furnished in widths up to 36 inches on special order. Greenkeepers who have drainage troubles, particularly with sand filling up the tile in bunkers, will find much to interest them in the Ric-Wil exhibit.

International Harvester Company

606 South Michigan Avenue
Chicago, Illinois
BOOTH NO. 4

THIS well known company is entering the Greenkeepers' Golf Show for the first time and will exhibit a McCormick-Deering fairway tractor with a seven-foot mower, the entire unit being designed especially for golf course requirements.

The McCormick-Deering Fairway tractor is a practical all-purpose power plant for golf-course construction and maintenance. It satisfactorily meets all requirements for fairway maintenance, for mowing the rough, and for construction and improvement work. It is easily controlled and turns in a circle with an 8-ft. radius. It works in close

corners, turns quickly, cuts close to obstacles and out again, leaving a surprisingly small amount to be done with hand labor.

A flexible 7-foot bar mower, the power for the operation of which is taken directly from the tractor engine by means of the power take-off, has been designed for use with this tractor. With this mower and a trailer mower, one man can mow 75 to 100 acres a day.

Pelican Works

Niles, Michigan
BOOTH NO. 48

THIS company manufactures the Raining Sprinklers for golf greens and fairways, which are made in various sizes to cover areas from forty to one hundred feet.

Mr. J. T. Plumer head of the company saw the great need of a watering system for golf courses in 1917 and began experimenting with a sprinkler which would throw water at close and long range and give even distribution. His sprinkler was tried out in the Detroit district and met with great success so that they are now manufacturing them on a large scale.

A complete line of Raining sprinklers will be on exhibit and they will demonstrate the laborless over-night system for greens, also the underground absorbing system for fairways that is one hundred per cent automatic and waters the entire golf course. Mr. Plumer himself will be in charge of the exhibit.

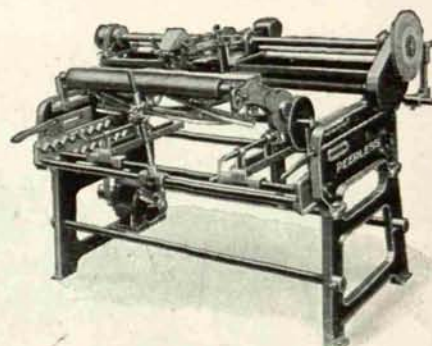
The Fate-Root-Heath Co.

925 Bell Street
Plymouth, Ohio
BOOTH NO. 24

TURF preservation has been given much careful study by experts, and we are confident they will readily concede that something more than soil and seed must be considered in the care of the greens.

To keep good turf it must be protected, and in this, *MOWING* plays an important part. Grass must be kept the desired length by mowers properly sharpened so as to shear off the grass in a manner that will not injure the roots.

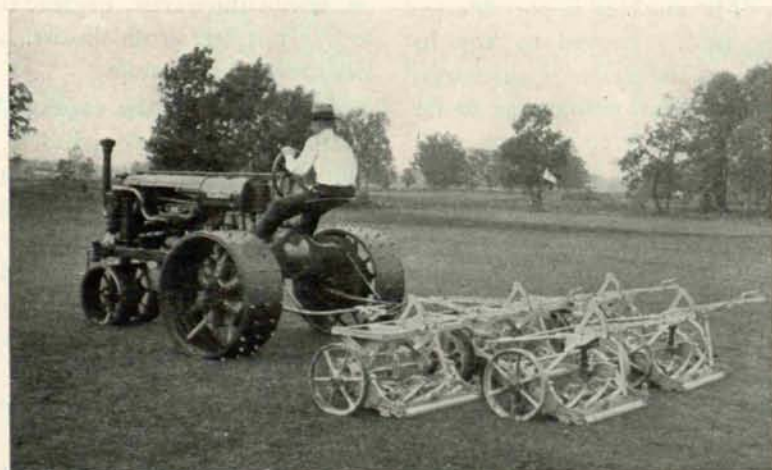
Dull mowers pull and tear the turf. This is the reason many clubs



PEERLESS MOWER SHARPENER

are using the Peerless Mower Sharpener, replacing the old way of sharpening mower blades with the latest scientific, inexpensive method, which does the job easily and quickly, and puts the right kind of an edge on the blades.

This machine sharpens all kinds



McCORMICK-DEERING FAIRWAY TRACTOR

Soil Samples

James A. Smith, president of the Ohio Humus Products Company, who is going to set up a soils testing laboratory in his booth at the Greenkeepers' Show at Louisville, requests those bringing samples of soil to Louisville for examination be sure and bring a sample of the soil directly below the rootage of the turf. It will not be the soil carrying the rootage that has the trouble, but will be the soil immediately below which will probably be so hard that moisture and rootage cannot penetrate it.

of mowers, including the herring-bone type with "V" shape spiral knives. Equipped with motor it is easily operated from a lamp socket, or can be operated from a line shaft. A gas engine can also be used.

The Peerless Mower Sharpener is equipped with reverse feed, and a roller support is furnished which makes it possible to sharpen putting green mowers with 8" rollers behind the cutter bar. The machine is four feet wide between the frames and will grind the spiral knives of 40" mowers by removing them from

the mower. The spirals of the 30" units and hand mowers can be ground without removing them from the mower. Equipped with the special grinding wheel attachment, cutlery and various tools such as hedge shears, grass shears, and sickles used around golf links and parks can be ground.

Practical demonstration of this Peerless Mower Sharpener, manufactured by The Fate-Root-Heath Company of Plymouth, Ohio, will be given in our booth at the Annual National Greenkeepers Golf Show.

The Universal Sand Equipment Co.

1833 Columbus Road, N. W.

Cleveland, Ohio

BOOTH NO. 36



THIS company will have on display one of their Universal Compost Mixers together with some pictures and advertising matter.

The Universal Compost Mixer is said to be the most modern machine for the economical and efficient preparation of compost. The machine is rugged and substantial in construction; it is a compact integral unit provided with a pulley so that it can be driven by a tractor. The mechanical principle of operation consists of rotation of an impellor assembly within an impellor housing having intake and discharge openings.

The compost or top dressing material is shoveled into the intake hopper of the machine and in passing through the machine is subjected to the impact action of the impellor

blades which breaks up all of the lumps.

Due to the centrifugal and blast effect developed by the impellor, the material is thoroughly mixed and discharged through the air, falling in a fluffy pile ready for immediate use. The machine is portable and can be readily moved to any location and the material discharged in any direction, either near or far, and piled to suit conditions.

The Universal Compost Mixer eliminates repeated hand shoveling and screening of materials, as once through the machine is generally sufficient for complete preparation. Briefly summarized the Universal Compost Mixer accomplishes the physical preparation of compost or top dressing in a better manner, shorter time and at less cost than any other method now in use.

J. Oliver Johnson, Inc.
Morgan Huron Superior Sts.
Chicago, Ill.
BOOTH NO. 41

J OLIVER Johnson, Inc., of Chicago will have booth No. 41 at the Show and both J. Oliver Johnson and H. S. Bailey will be in attendance and look forward with pleasure to meeting various members of the National Greenkeepers Association.

Hyper-Humus Company
48 Park Place
Newton, New Jersey
BOOTH NO. 23

THE Hyper-Humus Company will exhibit their product, Hyper-Humus showing its use as a compost for top dressings for old greens and its value in incorporating it into the soil for new greens.

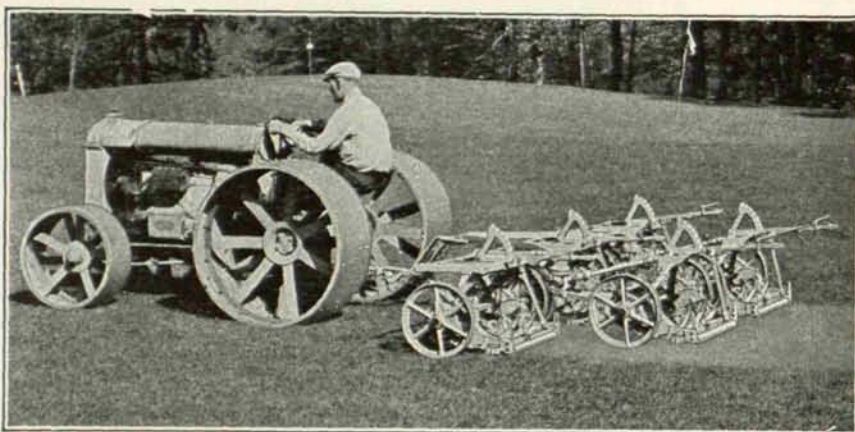
Hyper-Humus is a prepared, cultivated, natural organic which is well oxidized by continuous cultivation. There was a 40 per cent increase in the sale of humus in 1929 over the previous year and the present indications point to a very large demand for the coming season for our cultivated humus, especially among golf courses.

Hyper-Humus when mixed with the top dressings makes an ideal carrier for the uniform application of Lead Arsenate, Sulphate of Ammonia, etc. It absorbs these materials, and furnishes one of the purest, if not the purest, organic to the soil. It is free from disease, odorless and easy to handle.

Actual tests in the various Agricultural schools have shown that 100 pounds of sand will hold 25 pounds of water; 100 pounds of clay, 50 pounds of water and 100 pounds of humus or decayed organic matter will retain 190 pounds of water. This is a fair idea of what humus will do for your greens in the way of retaining moisture during dry, hot weather.

W. P. Troxell, sales manager, will be in charge of the exhibit.

The F. & N. Lawn Mower Company
Richmond, Indiana
BOOTH NO. 42



F. & N. FIVE GANG FAIRWAY UNIT

THIS very large concern will exhibit three and five gang fairway mowers, putting green mowers and tee mowers, all of which are thoroughly well known in the trade. These mowers have been developed after forty years of experience and are equipped with Timken bearing cut steel gears and oil tight gear cases.

A feature of the cutting unit is the self-adjusting device of the revolving cutter. These three and five unit outfits are quickly convertible from one to the other by manipulating two king pins to add or detach the two outside rear wings and mowers. Customers having three gang equipment can later convert it into a five unit outfit by purchasing the two extra frame wings and mowers. The complete frame can be detached in a few seconds by releasing one pin so the tractor can be used for rolling or any other purpose.

The F. & N. putting green mower is very sturdily constructed and has an 18-inch reel, five inches in diameter with seven special crucible tool steel blades, oil tempered and mounted on Skf ball bearings. Like the Fairway unit these bearings are self-adjusting under the company's exclusive patent. The company prides itself upon the high quality of material and workmanship and welcomes the opportunity

of showing the greenkeepers their machines.

The exhibit will be in charge of Mr. R. O. Allen who is well known in the trade.

Lyman Carrier

Granger, Ind.—Willoughby, O.
BOOTH NO. 15

GREENKEEPERS will be keenly interested in the educational exhibit by Lyman Carrier, producer of Lecco and Cocoos, from Granger, Indiana.

Enlarged photographs of Cocoos Creeping Bent sod and similarly attractive photographs showing the application of Lecco, will be features of the exhibit. Illustrated booklets and souvenirs will be distributed free to all visitors at the booth.



LYMAN CARRIER

Mr. Carrier is widely recognized throughout the United States and Canada as one of the outstanding authorities on turf maintenance and culture. He has written many illuminating articles on the subject and has frequently addressed gatherings of greenkeepers. For several years Mr. Carrier was official Agonomist of the United States Department of Agriculture. He has spent more than a quarter of a century in studying, experimenting and producing grass and grass food.

After these years of research, Mr. Carrier introduced his grass food, now widely known as Lecco. Lecco contains all the essential food elements required by grass to develop healthy growth and to maintain its true texture and color.

The use of Lecco, Mr. Carrier claims, makes the expensive and disease-infected compost pile wholly unnecessary. The compost pile contains an unknown quantity of good and bad matter invariably infested with fungus diseases and turf pests. Lecco, on the other hand, contains just the proper food for grass in the correct proportions—and it is completely free of any kind of fungus or pests.

Many greenkeepers who have adopted Mr. Carrier's methods of turf maintenance are particularly successful. They claim that Lecco has done for turf what the balanced ration has done for dairy herds; that Mr. Carrier has substituted science for the "guess" system of turf fertilizing.

Of equal importance to the better turf movement is Mr. Carrier's discovery of Cocoos creeping bent. Genuine Cocoos bent is a seaside variety of grass. It is botanically known as *Agrostis Maritima*, but all varieties of *Agrostis Maritima* are not Cocoos.

The genuine Cocoos was discovered, after years of search by Mr. Carrier, in the Coquille Valley in Oregon. He instantly realized that it combined, as no other grass, the exact qualities of a putting green turf. Famous California courses were the first to prove its value.

Since then scores of inland clubs have used Cocoos to develop greens of beauty and texture that rival those in California.

Seed of the genuine Cocoos bent is very scarce. Last year the supply was exhausted before half the orders were filled. This year Mr. Carrier is making every effort to meet the ready demand.

Milwaukee Sewerage Commission

508 Market Street
Milwaukee, Wisconsin
BOOTH NO. 34



THE Milwaukee Sewerage Commission, manufacturers of Milorganite turf fertilizer, will occupy Booth No. 34 at Louisville. Mr. V. K. Kadish, Business Manager, and Mr. O. J. Noer, in charge of their Service Bu-

reau, will be in attendance again and will be glad to meet old friends and welcome newcomers at the Convention.

It is planned to exhibit a series of colored enlargements showing some outstanding golf holes which it is hoped will be of general interest.

More than 10,000 tons of Milorganite were used to fertilize golf course turf during the past year, and it is believed no other turf fertilizer can point to such a record. Mr. Kadish says that all indications point to even a larger demand during 1930.

The Sewerage Commission is gratified with the enthusiastic reception Milorganite has received and assures old and new customers that the prompt service rendered in the past may be expected during 1930. While ample reserves have been accumulated, Mr. Kadish suggests that spring shipments be anticipated as early as possible so that shipping schedules may move forward without interruption.

The outstanding development of 1929 has been the increased use of Milorganite as a carrier for arsenate of lead in those areas where control of grubs, weeds, and worms has been necessary. In this connection Milorganite, of course, serves the dual role of ideal carrier for the arsenate and furnisher of necessary plant food as well.

Many clubs have expressed appreciation for the service in helping devise rational fertilizer programs. This will be continued in the future, and the representatives in attendance will gladly discuss fertilizer and turf maintenance problems with club representatives and greenkeepers.

American Seed Company

Detroit, Michigan
BOOTH NO. 41

THIS well known Detroit concern will exhibit a line of golf course equipment featuring especially the Chamberlain Hole Cutter, which is one of the chief articles of their line.

Scott Will Report Convention

In line with a suggestion made by one of the members of the National Association of Greenkeepers at the Buffalo Convention last year, the O. M. Scott & Sons Company of Marysville, Ohio, are making plans to publish a report of the Louisville Convention for general distribution to all the golf clubs in the United States and Canada.

This bulletin will contain condensed reports of all the speeches with special emphasis on those which bring out something new in turf research.

Every effort will be made to compile this report and mail it as soon as possible after the meeting so that golf club officials and members will have a good opportunity to see for themselves just what the National Association of Greenkeepers is doing to better their profession.

If any greenkeeper would like to have this report sent to his Green chairman or anyone else, all that is necessary will be for him to hand in the names and addresses at the Scott exhibit in the Golf Show.



CHAMBERLAIN HOLE CUTTER

The Chamberlain Hole Cutter is said to be a distinct improvement over other cutters now in use. The cutter shell has a serrated edge which allows easy, clean cutting. It is hardened sufficiently to insure extra long wear but it is not so hard that it will chip or break. It can easily be touched up with a file when necessary.

The foot plate is bar steel $\frac{3}{8}$ in. thick by $1\frac{3}{4}$ in. wide, and 5 in. long, making bending impossible and allowing ample foot rest. The extension rods work freely at all times, due to the design and sturdy construction. Furnished with varnished hard wood handle.

I. L. Radwaner Seed Company

115 Broad Street
New York City
BOOTH NO. 16

THIS company in its exhibit at the Greenkeepers' Show will specialize in bent grasses, meaning the Prince Edward Island bent which they have been advocating and selling a great deal of in Canadian government sealed bags—the Coos County Maritime or Seaside Bent in sealed bags—the New Zealand Grown Brown Top or Rhode

BENT GRASS SEED

Nine-tenths of the seed offered by seed dealers invariably is of foreign origin and often is not acclimated to the severe variable climatic conditions of our northern states. SHOULD AMERICANS PLAY THEIR GAMES ON "GERMAN, NEW ZEALAND OR CANADIAN" GRASS WHEN THEY CAN PURCHASE SEED, THAT PRODUCES THE SAME KIND OF TURF, FROM AMERICAN FARMERS WHO GROW IT?

KINGSTON

A. N. PECKHAM

RHODE ISLAND

"Every penny of waste between farmer and consumer that we can eliminate will be a gain both to the farmer and consumer."—President Hoover

10 YEARS
of Furnishing
SEED
Direct from the
FARMS
Where it grows
to you

Island Bent—and the South German Mixed Bent.

They will also exhibit some true Velvet Bent and will offer small samples to those who wish to take a few ounces of the best Bent grass home with them gratis. The ex-

hibit will also include golf grasses like fescues, etc.

Mr. Fred S. Radway in charge of the exhibits will cheerfully explain usage, adaptability and any other information regarding domestic and imported grasses.

Roseman Tractor Mower Company

810 CHURCH STREET

EVANSTON, ILLINOIS

BOOTH No. 52



ROSEMAN MODEL "A" TRACTOR WITH DUMP BODY

THIS company will exhibit a Roseman tractor and a single Mower Unit in its booth at the Louisville Convention.

The feature of the Roseman Mower is the fact that it is carried on a light hollow roller instead of side wheels, which the makers claim more evenly distributes the weight, prevents scalping of the turf and gives a smoother, finer turf on the fairways. They show figures to prove that the Roseman Tractor and Roseman mowers exert less pressure per square foot than does the player on the course.

The Roseman Model "A" tractor defines the best qualities of the new Ford car and is very sturdily equipped with a special rear end or tractor attachment. It is equipped

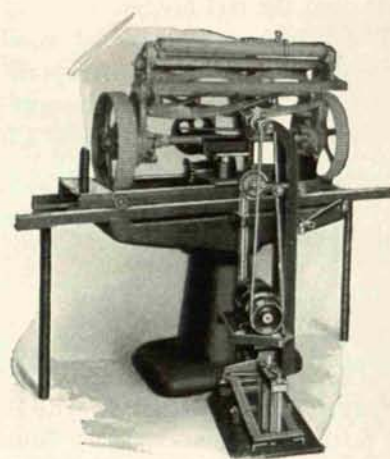
with a dump body which is quickly removable and has all the simple and well known features of the new Ford car.

Henry H. Doty

Highland Park, Illinois

BOOTH No. 42

HENRY H. DOTY will have a Hardinge Lawn Mower Sharpener in constant operation—grinding reels in putting green and fairway mowers—Worthington Herringbone reels in the machine and when removed from the machine. Mr. Arthur Johnson will show how to grind a Worthington fairway mower bed knife without removing the bed knife from the machine.



HARDINGE MOWER SHARPENER

The Hardinge 1930 model has many points of superiority over the 1929 model shown at the Buffalo show. The base and track casting prevents any vibration in operation.

The carriage vise makes for greater ease in handling mowers and bed knives and the adjustments are very rapid and simple. This vise has a horizontal adjustment of 5" and vertical of 4", with a jaw opening of 4", thus giving ample range for all types of mowers.

The swinging motor bracket has a vertical adjustment of 2 3/4" and makes it no longer necessary to swivel the carriage track to secure any angle desired. 4" cup wheels are used when grinding 30" mowers—3 1/4" for smaller models. A 1/4 horse power enclosed motor attached to any electric light socket provides ample power for any job.

With the Hardinge grinder many bed knives that would otherwise be discarded can be sharpened and trued so as to give many weeks more wear. Any desired bevel can be given reel blades by simply moving the carriage vise up or down.

The cup-shaped grinding wheel as used in the Hardinge Lawn Mower Sharpener is the only form of grinding wheel the makers claim that will grind the three places on

any type of lawn mower that must be ground to put the machine in first-class cutting condition—they are the front edge of the ground blade—inside surface of the ground blade, and the reel blades.

The Hardinge is made of good material, well put together—cannot get out of order—is easy to operate—and turns out a finished job in a few minutes.

Ohio Humus Products Company

London, Ohio
BOOTH NO. 38

A COMPLETE miniature laboratory for testing soils will be the feature of this exhibit. Both Mr. James A. Smith, president, and Mr. Wright McCallip, engineer, will be on hand to test soil samples for greenkeepers and golf club officials who have been invited to bring samples to Louisville for that purpose.

This company sells "Windrift" hardwood humus, a natural product with unusual moisture-retaining properties and completely free from weed seed and other objectional material. "Windrift" humus is used as a top dressing and also for working into the seed bed of new greens where a proper soil condition is desired. While it is not a fertilizer itself, it assists the action of fertilizers, provides the necessary porosity for healthy plant life and insures against caking of the soil which so often occurs on putting greens that are heavily played upon.

With the use of "Windrift" humus the springy feeling of the putting green is always present, and with its moisture retaining properties it is only necessary to water half as often to keep a healthy, vigorous turf.

Buckner Mfg. Company

FRESNO, CALIFORNIA
BOOTH NO. 39

THESE pioneers in golf course irrigation will have a very interesting exhibit of sprinkler equipment featuring especially their Number 7 Golf King sprinkler,

which is one of the new models to be offered golf clubs this year.

The new Golf King No. 7 is mounted on a roller stand and has built into it the water vibration control which has been so phenomenally satisfactory on the Golf King No. 6. It also has the positive slow motion control and is very compact

and durable.

The Buckner Company have specialized in entire golf course irrigation and Mr. W. A. Buckner, head of the company, will be present in person to explain the features of fairway sprinkling and the many economies which have been effected in cost and maintenance.

Jacobsen Mfg. Co.

Golf Dept. 11

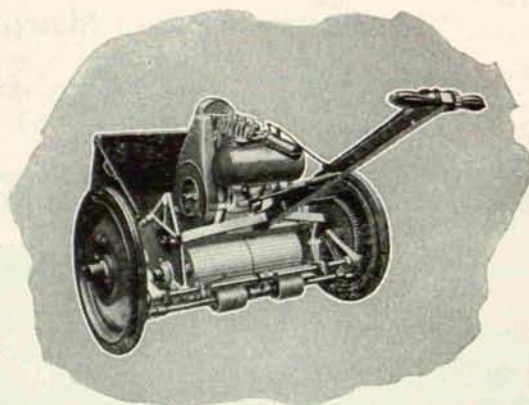
Racine, Wisconsin

BOOTH NO. 25

THE greenkeeper athirst for ideas on equipment that is going to enhance his ability and reputation as an artist in his calling, is going to be interested in the display of Jacobsen Power Putting Green mowers and their various features, attachments and new improvements.

Booth 25 will show this exhibit consisting of a Jacobsen 19" mower with patented power transport and greens brush attachment. There will also be a Tee and Approach type of mower, all distinctively Jacobsen in that they embody the very latest ideas of a firm of power-mower engineers who for ten years have been leading the power lawn mower industry on to new and better things.

Of outstanding interest are the advanced ideas embodied in the airplane aluminum lightness of its major casting and the evenly dis-

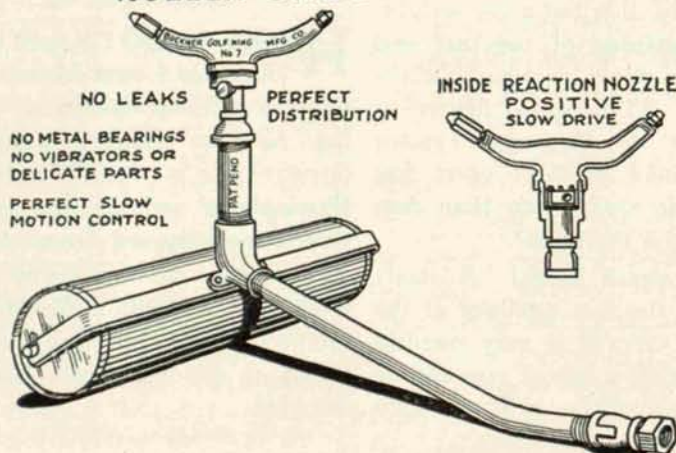


JACOBSEN GREENS MOWER ON TRANSPORT

tributed weight of the new Jacobsen on its broad rollers which exert no greater pressure on the green than a human foot. The Jacobsen will not mar or scar the finest green.

Of interest, too, is the brush attachment which lifts the matted grass to where the blade can reach it, in fact it prevents such a thing as matted turf and brown spots in the green, aerates the soil, and performs an invaluable service in taking the place of a hand rake in

GOLF KING NO. 7 ON ROLLER STAND



NO LEAKS
NO METAL BEARINGS
NO VIBRATORS OR
DELICATE PARTS
PERFECT SLOW
MOTION CONTROL

PERFECT
DISTRIBUTION

INSIDE REACTION NOZZLE
POSITIVE
SLOW DRIVE

working in the top-dressing. This power mower, in fact, performs multiple duties in cutting, brushing, working in top dressing and rolling the green.

Great ease and rapidity in turning is afforded by the auto-type differential, and the handy independent clutches which control both the traction and the cutting units. The power cart affords a convenient method of transporting the mower to and from the greens.

The "Estate" Jacobsen is the Tee and Approach mower which is the iast word in mechanical perfection, a smaller brother of the Putting Green model, suited for trimming the edge of greens and close work at tees and approaches. Probably no better example of power mower perfection has ever before been exhibited at our greenkeepers' conventions than can be seen in the Jacobsen display.

H. B. Sherman Mfg. Company Battle Creek, Michigan BOOTH NO. 37

THIS company plans to show in actual operation one of its Sherman Portable Spray Heads, which are designed for connecting in series to create a flexible and movable sprinkling system.

In other words with a series of Sherman Spray Heads an entire green can be sprinkled with a fine misty spray in one operation. The number of heads permissible in a single assembly depends on water volume and pressure. The company states that with $\frac{3}{4}$ inch pipe at the outlet-box and good pressure as many as six heads will operate effectively.

With a Sherman Spray Head it is not necessary to move the sprinklers and the green can be thoroughly watered without fear of "puddling," because fine spray gives an equal distribution of water and there is no waste.

This company has other hose fittings including couplings, clamps, menders and reducers and also a

Diamond nozzle of heavy wrought brass of unusual strength and durability.

National Mower Company

839 Cromwell Avenue
at University
St. Paul, Minn.

FOR the first time the National Mower Company will exhibit at the Louisville Show a new type of mower for golf course work which is radically different from any other on the market.

The departure made from the usual system of cutting is that the reels are all operated by power direct from the engine. Heretofore, it has been necessary to put enough power into the ground through the drive wheels of a tractor to cause the turf to rotate all of the drive mechanism of the mower on top of the strain of the cutting knives.

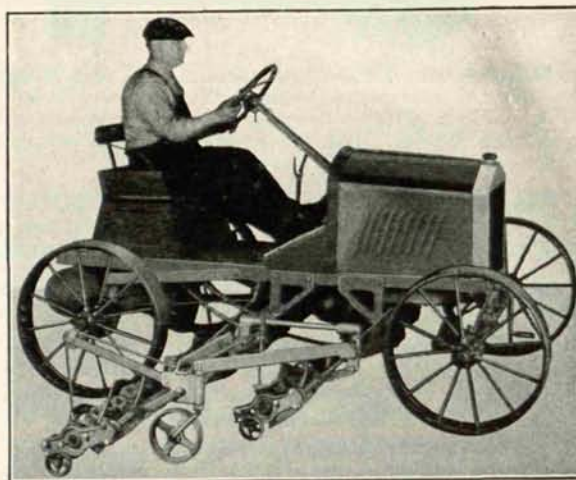
Where the knives are driven direct from the engine, the tractor has a much simpler task of just moving its own weight, the same as would an automobile. This makes possible far lighter mechanism in the drive wheels and shafting which gives less weight on the turf and removes from the sod the burden of operating the mowers.

The mowers themselves are much simpler. The revolving reels and bed knives are the same as are used at present, but there are no gears, ratchets, or drive wheels. To overcome a trouble which would arise if the reels were to lock upon a rock or heavy piece of material, there are slipping clutches which are gauged to slide at approximately the same point at which the mower drive wheels under the older arrangement would slide.

Ingenious arrangements of drives are made so that the mowers assume

the contours of the ground even though they are quite irregular.

A cutting unit consists only of a



NATIONAL'S NEW FAIRWAY MOWER

reel, a bed knife bar, and a front cross brace which makes it very simple for resharpening as there is no mechanism for opening up or tearing apart. Extra cutting units which weigh only about sixty (60) pounds can be easily attached to replace any unit injured or which is dulled by striking obstacles.

L. R. Nelson Mfg. Company, Inc.

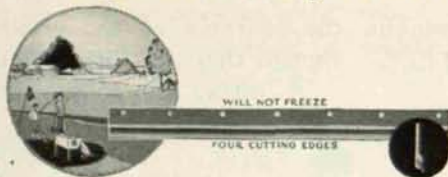
Peoria, Illinois
BOOTH NO. 44

THE exhibit of this company will consist of practically their entire line of lawn sprinklers, hose nozzles, garden hose couplings, menders and clamps. The most important feature however, of their exhibit will be their Lark Golf Sprinkler, which is very popular with greenkeepers, and attracts a great deal of interest on the part of visitors at the Show.

The Improved Lark Sprinkler is mounted on a roller base and sprinkles evenly up to 150 feet. It operates on any pressure and has a rotor valve which can be adjusted for either a coarse or fine spray.

Mr. M. A. Hoag and Mr. A. E. Giles will have charge of this exhibit and will cheerfully explain the many features of this company's line.

Budd Quick Change Blades



Mowers run easier, cut better and last longer with our stationary blades. New mower item in the budget will be decreased many times the cost of the blades. Ask your supply man or write for descriptive price list.

THE BUDD MANUFACTURING COMPANY
Ravenna, Ohio P. O. Box F.

Friend Mfg. Company

Gasport, New York

BOOTHS NOS. 17 AND 18

"Friend" Mfg. Company, Gasport, New York, are putting on the market for next season a power sprayer especially prepared for golf course use.

The "Friend" sprayer had a very successful season last year and reports from greenkeepers and golf course superintendents who use "Friend" sprayers are very flattering.

The use of the "Friend" sprayer in the application of soluble fertilizers, also insecticides and fungicides is worthy of investigation by everyone who is engaged in the growing of fine turf. The "Friend" illustrated catalog will be sent free upon request.

The Grasselli Chemical Co.

Cleveland, Ohio

BOOTH No. 45

EXPERIMENTAL work carried on for the past few years by the Grasselli Chemical Company, in co-operation with several well known Greenkeepers, resulted in the development of a complete fertilizer that meets the requirements of grass both

on greens and fairways. This fertilizer is sold under the name of Grasselli Grass Growers and contains 10 per cent Ammonia, 6 per cent Phosphoric Acid, 4 per cent Potash. Being purely mineral it carries no weed seeds or disease germs. This formula was decided upon after making many analyses of the grass cuttings, as well as the roots, in order to determine the percentage of various plant food elements they contained.

The Grasselli Chemical Co. also manufactures a complete line of insecticides and fungicides. They are in position to supply Arsenate of Lead that is used for the eradication of grubs and earthworms in greens and fairways. Owing to the location of warehouses in all of the principal cities, the Grasselli Chemical Co. is in position to make immediate shipment of your orders.

Golf Course Supply Company

3049-51 Carnegie Avenue

Cleveland, Ohio

BOOTH No. 50

THE Golf Course Supply Company, Inc., is entering into its 4th year of activity from its Cleveland office. They operate in the

Do you buy Grass Seeds by Quality 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

states of Ohio, West Virginia, western Pennsylvania and New York, and are extremely active in Pittsburgh, Buffalo, Columbus, Dayton, Youngstown and Toledo.

This company is territorial representative for the Toro Manufacturing Company handling the well known line of Toro Equipment, Friend Manufacturing Company, Economy Irrigation Company, and Standard Equipment Company. They are also distributors in their territory for Milorganite for the Milwaukee Sewerage Commission and Kopper's Dry Sulphate of Ammonia. They also carry a complete line of seed, fertilizers, and maintenance equipment and supplies.

Mr. A. E. Flack, who has been active in the golf field for some eight or nine years is President of this Company and Mr. H. J. Streich is Secretary and Treasurer. Mr. John Alves covers the territory for this company in and around Cleveland.

Atkins & Durbrow, Inc.

29 Burling Slip

New York City

BOOTH No. 30

THIS exhibit at the Louisville Show will be a demonstration of the merits of the GPM brand of

The Raining Sprinklers

The custom of all people of every generation on entering a room is to reach for the door knob.

This is the way we invite the visitors to the National Greenkeepers' Golf Show in Louisville, Kentucky.

Our exhibitors will give information on the special Sprinklers we manufacture for golf clubs that have proven so durable, economical, give an even spread, and have no equal for new seeding. They are adjustable to any water pressure.

Good service to customers. Write us

PELICAN WORKS - - Niles, Michigan

Golf Course Equipment

Everything for the Golf Course

TORO EQUIPMENT

ECONOMY SPRINKLERS

MILORGANITE

GRASS SEED

LAWN EQUIPMENT CORPORATION

MAIN STORE
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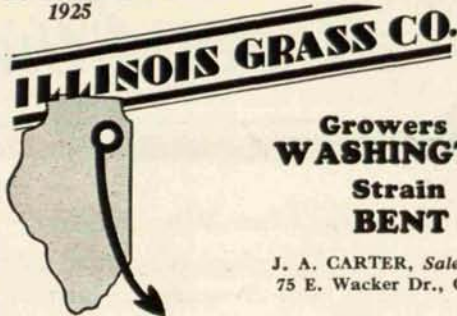
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Washington Strain
CREEPING BENT STOLONS
From Our Own
Nursery
Write, phone or wire for prices



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1925



J. A. CARTER, Sales Agent
75 E. Wacker Dr., Chicago

18455 Riegel Road
HOMEWOOD, ILLINOIS

imported Granulated Peat Moss in connection with building and maintaining successful golf course putting greens. This product is an organic matter favored by many leading golf courses for greens construction.

Peat Moss has as its advantages over other organic material a slight acidity particularly favorable to the bent and fescue types of grasses with which greens are usually planted. Being very absorbent it holds a constancy of moisture about the plant root level without creating a plane or table of free water within the soil, thus lessening the need for frequent and heavy watering. It also makes an excellent carrier for concentrated plant fertilizers, and when used in conjunction with the commercial concentrates you secure a seed bed that is not impregnated with weed seeds, fungus growth or foreign matter of any kind. Thus the labor of weeding is largely eliminated.

Koppers Products Co.
Pittsburgh, Pa.
BOOTH NO. 20

ONE of the exhibits at the Louisville Convention, which is sure to attract lots of attention and

interest, is that of the Koppers Products Company, in Booth No. 20, featuring Koppers superfine, non-lumping Sulphate of Ammonia, specially prepared for golf courses.

Koppers Sulphate, its sponsors claim, is extra-processed, in addition to being kiln-dried and screened, so that all moisture-attracting elements are entirely neutralized or eliminated. It is always fine and dry like sea sand—and has met the instant approval of many internationally-famous greenkeepers.

Cooper Manufacturing Company

Marshalltown, Iowa
BOOTH NOS. 17 & 18

A SPECIAL feature at the exhibit of the Cooper Manufacturing Company, (Marshalltown, Iowa) during the Greenkeepers Convention and Conference this year, is the 20-inch Special Putting Green mower which is one of the items in their line of powered lawn mower equipment, all of which will be on display at Louisville, in Booths number 17 and 18.

A grass catcher and brush attachment are standard equipment on the Green mower, which also has a number of unique features. Pressed steel and aluminum construction make for strength and lightness, and the finely balanced design, with finger-tip control, makes it easy to handle.

Power transmission and the special differential roller, with positive drive forward, follow the same general design and principles which have made Cooper equipment so successful in the mower field, while independent clutches for both reel drive and traction roller, are also an important part of the makeup of the Green mower.

Louisville Exhibitors

SPACES 10, 12, 14, 49 and 51

The following Louisville concerns will also be represented—Jefferson County Retail Nurserymen's Association—Nursery Stock American Radiator Company, Louisville Branch—Cast Iron Pipe; Logan Company—park and golf course seats and benches; Price Chemical Company—Fertilizer; Chambers Seed Company.



TRACTOR WHEEL SPUDS

The R. H. wheel spuds save time installing and removing, they are made in many sizes for any type tractor or purpose. Low price and quality has been welcomed by Golf Clubs, in use on 2,000 clubs. Sample spud and circular on request; advise make of tractor and purpose used for.

(If your Ford or Equipment dealer cannot supply, write direct).

R. S. HORNER - Geneva, O.
Manufacturer of
Wheel Spuds, Golf Tractor, Golf Wheels
for Fordson and Trucks

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"