

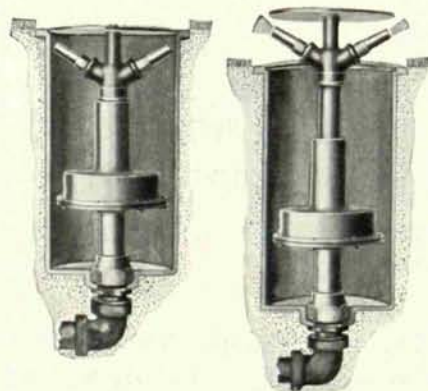
The Golf Show Exhibits

Complete description of new equipment and supplies which will be exhibited at the 5th Annual Greenkeepers' Golf Show at Columbus, February 3-6

L. R. Nelson Mfg. Company,
Peoria, Illinois, Booth No. 23

THE Nelson Mfg. Co., Peoria, Illinois, manufacturer of the well-known Lark Golf Sprinkler, are giving a new service to Green Committees and Greenkeepers by offering to help them develop plans for watering fairways through underground pipe systems, the hoseless method. They will furnish without charge, when fairway sketches are submitted, blue prints and plans showing the arrangement, amount and sizes of pipes, fittings, valves, etc., necessary for fairway sprinkling. From these plans as furnished, anyone competent in pipe installation can readily figure the cost of installation.

For sprinkling fairways in connection with these underground systems, the Nelson Mfg. Co. are offering the new "Robin" Pop-up sprinkler, which covers a diameter of 90 to 100



NEW NELSON POP-UP SPRINKLER

feet, eliminating half the cost of installation, when compared with the old type of underground sprinkler head.

The "Robin" Pop-up is permanently placed in a malleable iron casing that is set in the ground with the top even with the surface. The water is fed to the sprinklers by pipes placed a foot below the surface, arranged for draining in winter.

The "Robin" Pop-up is used to

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best advantage in series. If the water supply is sufficient, from two to five acres may be sprinkled at one time. Eight to ten sprinkler heads are used to an acre of fairway.

When the water is turned on, the heads are raised by the water pressure and immediately start sprinkling. When sprinkling is finished, the con-

trol valve is closed and each head controlled by that valve drops to its place in its casing, closing the top of the casing with a metal plate that is even with the ground surface. There is no projection that will interfere with mower, tractor or golf ball.

The use of the pop-up type of sprinkler in connection with under-

ground pipe systems eliminates almost all of the labor connected with sprinkling, doing away entirely with the handling of hose and the frequent changing of sprinklers. The "Robin" pop-up positive-drive principle is simplicity itself and has been in almost constant use in a limited territory in California for two years. Its even sprinkling and long wearing qualities have been thoroughly proved. It has no gears, but its action is as positive and sure as a geared sprinkler.

**Worthington Mower Co.,
Stroudsburg, Penna.
Booth No. 1**

THE Worthington Mower Company's exhibit this year will consist mainly of special models of their machinery that embody improvements of unusual importance. This company has been devoting much time during the past year or two, to increasing the efficiency of mowing equipment and of reducing the time expended on the major mowing operations. They have met with remarkable success.

Not content with the wonderful accomplishment of the Worthington Triple and Quintuplex mowers which this company some years ago gave to the golf courses of the world, it has been their effort to still further cut the time of fairway mowing.

This they have accomplished with a mower which they call the "Multigang." One of these will be on ex-

hibition at Columbus. It cuts a swath sixteen feet wide. When drawn by a Worthington tractor it will completely finish the mowing of the eighteen fairways in five hours actual cutting time. This is practically cutting in half the time that is now required for this work on any course using either triple or quint. It is claimed that the "Multigang" is as easily handled as any of the well-known machines; is as simple and as flexible. It is of the "convertible" design of this company, capable of being transformed into either a triple or a quint without more than a minutes delay.

Their 1931 Scout Overgreen, will be on exhibition also. The three units of this model are of the Roller type which with the high wheel type of last year's Overgreen, give to the greenkeepers the choice of either one or the other. It has already been discovered by the present large number of users of the Overgreen, that the time now consumed in cutting an average putting green by hand (which is forty minutes to an hour) is reduced to eight or ten minutes. All of the eighteen greens may be cut in four hours actual cutting time.

The Worthington company has been pleased to find that these time-saving machines are not as a rule made the excuse for discharging men, but merely for differently distributing their activities. Instead of having so large and unbalanced a proportion on the greens and fairways, the men who are released from these jobs are more advantageously put to work on the many things about the

course that are now done on overtime or to save expense are left undone altogether. The great advantage in this reassignment of the force, made possible by these Worthington time-saving machines, is found particularly in the preservation or improvement of the standard of upkeep, without any increase in the payroll.

In these times of retrenchment the company feels that the great danger to the golfing interests of the world is that the present high quality standard of our courses may suffer. At all hazards this should not be permitted. With the falling off in the condition of the courses there will be a corresponding fall in the interest attaching to the game itself. At no time is it more important than in these days of stress that our golfing business men, in seeking the relaxation and exercise they require, should find the courses in good shape.

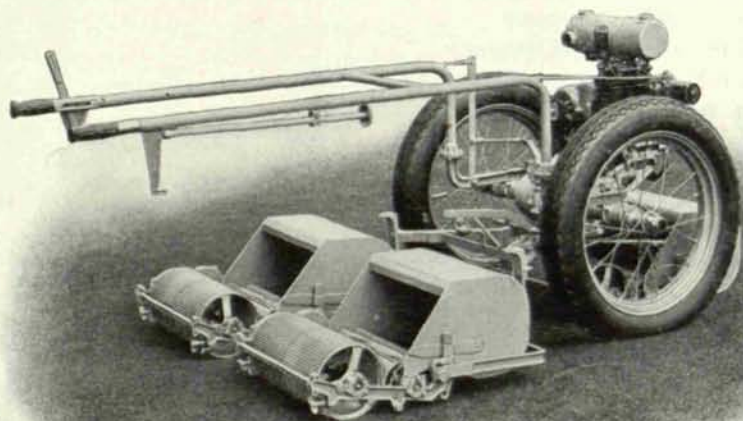
The Worthington company stands for time-saving machinery, to be followed however by a reassignment of the men. Their time on one line of work on the course should be saved, in order that it may be expended on another and equally important one, now frequently neglected.

The following representatives will be at the Golf show: E. H. Worthington, vice-president; R. S. Worthington, vice-president; R. Vander-Beken, treasurer; J. C. Dee, Chicago manager; J. B. Hurlock, Cleveland manager; E. R. Sawtelle, Boston manager; J. C. Russell, Canadian manager.

**Roseman Tractor Mower Co.,
Evanston, Ill. Booth No. 11**

THIS company will exhibit at Columbus the Roseman tractor and a single mower unit. The latter as everyone knows is of the roller type and is very light and efficient. It makes a twenty-six inch cut and keeps the turf in a fine healthy condition.

The Roseman tractor is light and sturdy and has a special rear end assembly, which fits in perfectly with the Model A Ford chassis. All of the details will be thoroughly demonstrated at the show and will be found most attractive.



1931 WORTHINGTON SCOUT "OVERGREEN" MOWER



As fast as the raw material is fed in—wet or dry—lumps or sod—the ROYER completely pulverizes and mixes top soil and loads it.

There are 4 models of ROYERS. ONE of which will answer your particular problem.

Write for full particulars.

When Greenkeepers insist on a ROYER Compost Machine

their reasons are backed by proven performance on the country's outstanding examples of fine turf. Following is a list of ROYER users in the State of New York alone:

Albany
Norman Side Country Club.

Amsterdam
Antlers Country Club.

Beacon
Dr. Flocum.

Binghamton
Binghamton Country Club.
Mr. Morell Hamm—Binghamton.

Bronxville
Westchester County Park Com. (2)

Buffalo
W. E. Harries & A. V. Hall.
Seymour H. Knox Estate.
Whippoorwill Corp.—Chippaquas.
Park Club of Buffalo.

Crestwood
Leewood Golf Club.

Deposit
E. W. Zentgraf.

Endicott
Endicott Johnson Corporation.

Ferndale
The Grossinger.

Hamilton
Colgate University Golf Club.

Jamestown
Moon Brook Country Club.

Lakeview
Wanakah Country Club.

Larchmont
Bonnie Briar Country Club.

Donald Woodward—Leroy.

Long Island:
Bay Shore
Southward-Ho Country Club.

Flushing
Fresh Meadow Country Club.
Pomonoak Golf Club.

Great Neck
Crescent Athletic Club.
Deepdale Golf & Country Club.
Glen Oaks Golf & Country Club.
Lakeville Golf & Country Club.

Hempstead
Coldstream Country Club.

Hewlett Harbor
Seawane Corporation.

Jamaica
Queens Valley Golf Club.

Little Neck
North Hills Golf Club (2).

Locust Valley
The Creek Club, Inc.

Harrison—Williams Estate.

Long Branch
The Lido Country Club.

Northport
Northport Country Club.

Port Washington
North Hempstead Country Club.

Sands Point Golf Club.

Roslyn
Engineers' Country Club.

Southampton
National Golf Links of America.
Shinnecock Hills Golf Club.

Southampton Golf Club.

Williston
Wheatley Hills Golf Club.

Mamaroneck
S. M. H. Corporation.

Winged Foot Golf Club.

New Hartford
Yahnundasis Golf Club.

New Rochelle
Broadmoor Country Club.

Troy's Nurseries, Inc.

New York
Peter Henderson & Co.

Pelham
Pelham Country Club.

Pittsford
Locust Hill Country Club.

Oak Hill Country Club.

Pleasantville
Whippoorwill Holding Corp.

Port Chester
Port Chester Country Club.

Poughkeepsie
Dutchess Golf & Country Club.

Rochester
Brook Lea Country Club.

Ridgemont Golf Club.

Rome
Teugega Country Club.

Schenectady
Edison Country Club.

Sparkill
Rockland County Country Club.

Syracuse
Lafayette Country Club.

Staten Island
Mayflower Country Club.

Richmond County Country Club.

Tarrytown-on-Hudson
Rockwood Hall Country Club.

Thendara
Thendara Golf Club, Inc.

Tuckahoe
Mount Vernon Country Club.

Watervleat
Schuyler Meadows Country Club.

West Camp
Knaust Brothers.

White Plains
Century Golf Club.

Penimore Country Club.

Maplemoor Golf Club.

Metropolis Country Club.

Progress Country Club.

Westchester Hills Country Club.

Williamsville
Audubon Village, Inc.

Buffalo Country Club.

Woodlawn
Woodlawn Cemetery.

Sold Through Leading Golf Equipment Dealers

ROYER FOUNDRY AND MACHINE COMPANY

158 Pringle Street

Kingston Station

Wilkes-Barre, Pa.

The Evolution of Golf Course Mowing

SHEEP grazing, then hand cutting and later, haymowers, were the first three steps in fairway mowing.

Next appeared the side-wheel mowers with blades driven by gears from the wheels.

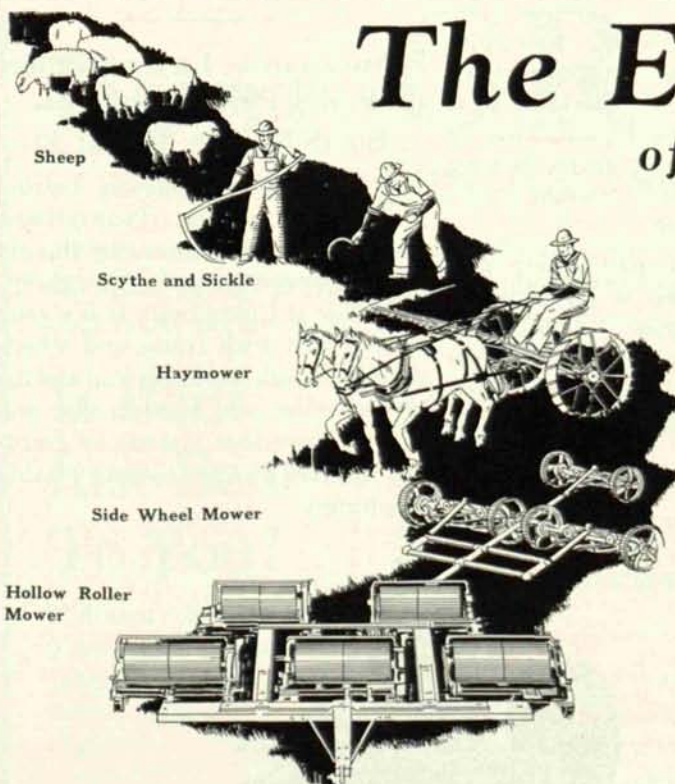
Finally came the hollow roller mower, most advanced type of today. Cutters are driven by full-width rollers, increasing cutting power. Experts find the light kneading action of the rollers stimulates turf development.

It is interesting that, in the evolution of mowers, quality of construction and strength of materials have also improved, in each step forward. Sturdy construction and long, steady service in the Roseman Mower have always more than compensated for increased original cost . . . and it is the only fairway mower that "Rolls as it Mows."

"Our patents give us the exclusive right to all ganging of Roller Type Mowers"

Write for service records and prices.

ROSEMAN TRACTOR MOWER COMPANY
Evanston, Ill. New York, N. Y.



ROSEMAN HOLLOW ROLLER MOWERS

Toro Mfg. Company, Minneapolis, Minn.

Booth Nos. 15, 16 and 17

THE new Toro power-driven roller is one of the many new interesting items that will be found in the Toro exhibit at the Columbus Golf show.

The new Toro power-driven roller follows closely the lines of heavy rollers used extensively in street paving jobs. The Toro rolls a swath of 30 inches, weighs approximately 900

International Harvester Co. of America, Chicago, Ill.

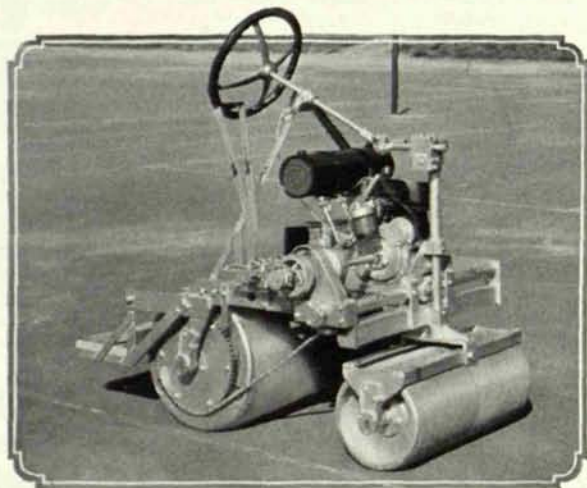
Booth No. 7

THE International Harvester Company of America will occupy space No. 4, and will exhibit their Fairway tractor. This tractor is a practical all-purpose power plant for maintaining golf courses, country clubs, parks, and estates. It satisfactorily meets all requirements for Fairway maintenance, for mowing in the rough, and for construction

the heavier jobs of plowing, disking, harrowing, seeding, and distributing fertilizer. It can be used in construction and improvement work for moving dirt, materials and equipment. When necessary the Fairway will operate equipment on belt or power take-off as efficiently as any other type of tractor of equal capacity.

The Fairway has a beneficial effect on the sod as it is equipped with wide wheels and is a roller in itself. The weight of the tractor is proportionately distributed on the four wheels. The rear wheels do not follow the front wheels, thus the dirt is being rolled with each movement.

When desired the tractor can be equipped with a power mower cutting a 7-foot swath. This mower is operated from the power take-off of the tractor, and is under perfect control of the operator. Every modern feature to render the highest service and increase the life of the tractor is incorporated in its construction. Among these are the renewable cylinders, air, fuel, and oil cleaners, while the generous use of ball bearings throughout the machine reduce draft and increases the life of the tractor.



TORO POWER-DRIVEN ROLLER—A 1931 MODEL

pounds, and is equipped with forward and reverse gearing.

For golf courses, tennis courts, and all jobs requiring a medium weight roller, it will be found far superior to hand rolling.

Among the other interesting items which will be shown are the new Trojan fairway mower, the three-wheeled rubber-tired Knockabout, a quick transportation unit, the power disk, together with many of the old items.

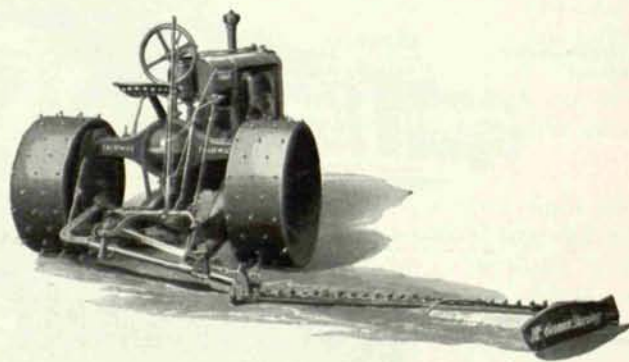
and improvement work. It is easily controlled and turns in a circle with an 8-foot radius. It works in close corners, turns quickly, cuts close to obstacles and is out again, leaving a surprisingly small amount to be done by hand labor.

In addition to maintaining golf courses and lawns, it pulls rollers, sprayers, compost distributors, wagons, etc., uphill and down, over smooth going or rough. The Fairway can be shifted immediately to

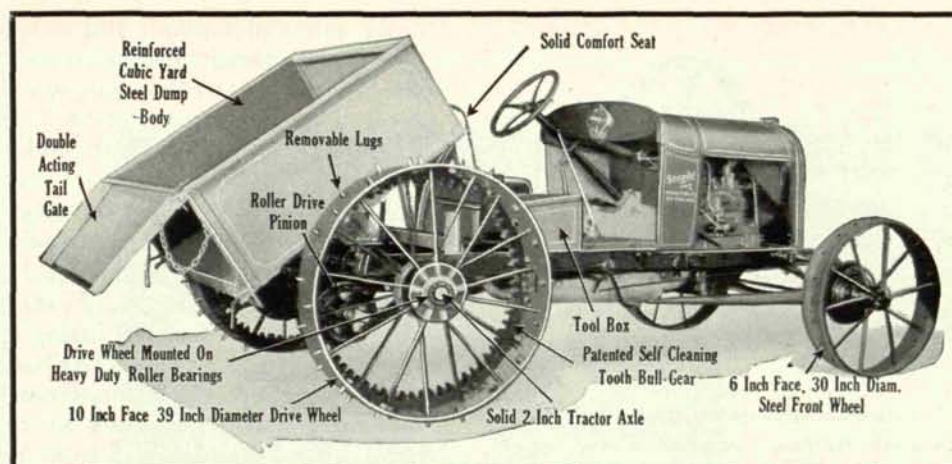
Pennsylvania Lawn Mower Works, Philadelphia, Pa.

Booth Nos. 35, 36 and 37

A NEW fairway mower bearing the famous Pennsylvania trade-mark will be shown by this old reliable company at the Greenkeepers' Show at Columbus. It is a gang mower unit with frame and wheels of unbreakable malleable iron and has several other new features that will be of tremendous interest to everyone interested in up-to-date cutting machinery.



INTERNATIONAL HARVESTER WILL SHOW THEIR QUICK TURNING TRACTOR WITH MANY UNUSUAL FEATURES



**Sturdy!
Powerful!
Economical!**

*Sold on a
Money-Back
Guarantee*

A SMASHING RECORD OF SUCCESS

Nearly 2000 golf clubs know that the Staude Golf Course Tractor is doing work better, faster and more economically than by any other method. Year in and

year out it unfailingly answers all requirements. Easy to operate and its upkeep is practically nothing. It is the world's lowest-priced utility golf course tractor.

With Model A
Ford Chassis
\$655.00
F. O. B.
St. Paul

STAUDE UTILITY Golf Course TRACTOR

Manufactured Continuously Since 1916

See the Staude on exhibit at the National Greenkeeper's Golf Show, Feb. 3 to 6, at Columbus, Ohio. Examine it! Note its many superior features. Ask to see the hundreds of letters recommending it.

Write For Full Information And Easy Terms

E. G. STAUDE MAK-A-TRACTOR CO. 2630 UNIVERSITY AVE.
ST. PAUL - MINN.

With Model T
Ford Chassis
\$475.00
F. O. B.
St. Paul

Bent GRASS Seed

DIRECT FROM THE FARMS WHERE IT GROWS

For eleven years I have annually increased my acreage of Bent grass for seed production. Some of the finest turf of this nation has been produced by planting my Bent Seed on putting greens and fairways of golf courses, athletic fields, tennis courts, bowling greens, municipal parks and lawns surrounding some of the finest homes of our country.

**Is Bent
Just Bent
To You?**

Always demand native-grown seed that is winter hardy and acclimated to our severe northern and eastern climate.

Prices of the native-grown winter hardy Bent Seed grown here at its native home in Rhode Island are just the same as they have been for the past five years.

I have had a great deal of experience in furnishing seed for fine turf production throughout the northern tier of states. There is no one vari-

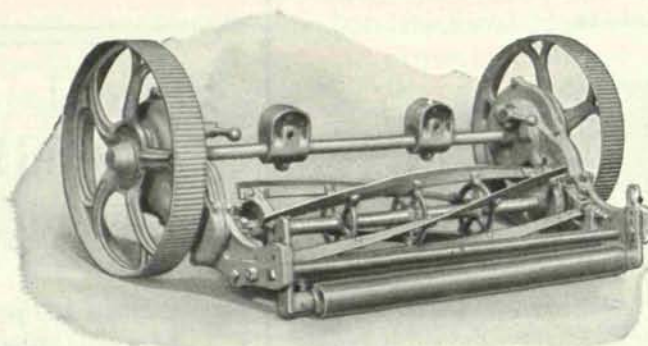
ety that is a sure "cure all" in all localities. I always endeavor to furnish those varieties of Bent that from experience have been found to do the best in the locality where the seed is to be used.

No fields of Bent are harvested by me unless they run 98% or better as to purity of stand in the field.

When you purchase seed direct from the farms where it grows, you are assured not only of an absolutely fresh, viable, winter hardy product but you are also assured of a seed that is true to name as it is humanly possible to grow it.

A. N. PECKHAM

KINGSTON, RHODE ISLAND



NEW PENNSYLVANIA FAIRWAY MOWING UNIT

The machine has malleable iron wheels and frame and is unbreakable.

Heretofore greenkeepers and superintendents of grounds have been beset with broken wheels, side plates, lower knife bars, etc., causing delay and putting the cutting unit out of business until repairs were made. The new Pennsylvania Fairway mower eliminates all trouble of this sort and its features are so many that it will bear the closest inspection.

**Ideal Power Lawn Mower Co.,
Lansing, Michigan.
Booth Nos. 4 and 5**

THAT the exhibit of the Ideal Power Lawn Mower Company will prove especially interesting this year to greenkeepers is evidenced by the fact that in the display will be some brand new equipment exhibited for the first time, as well as very important improvements on other Ideal equipment that will be shown.

One new Ideal machine that every greenkeeper and golf official attending the show will want to see is the new Ideal Power Putting Green Mower. During the past few years the tendency among golf clubs has been toward the use of equipment that tends to lessen labor expense and one item that greenkeepers have been seeking is a practical yet very light weight, easily handled power mower for putting greens.

The new Ideal Power Putting Green Mower that will be displayed at the show weighs but little more than most hand putting green mowers, in fact the manufacturers state that this machine actually weighs less than one hundred pounds. The light weight is secured through the liberal use of light weight material, aluminum being used for such parts as the engine base, clutch brackets,

clutch parts, side frames, roller, pulleys, casters, etc.

As will be noted by the accompanying illustration, this power greens mower is of the roller type. Small engine is mounted directly above the roller of the mower, drive being taken directly from the end of the engine shaft through the clutch and to the end of the reel shaft. The simple drive of this machine is one of the big secrets of its successful operation and exceptionally fine work.

By driving direct from the reel any danger from slipping in touch cutting is eliminated because the reel is actually power-driven with the pawls in the roller reversed so that the drive roller is operated through its chain of gears back through the reel. In other words, instead of driving the roller and pushing the reel ahead, the operation is reversed, driving the reel and pulling the roller.

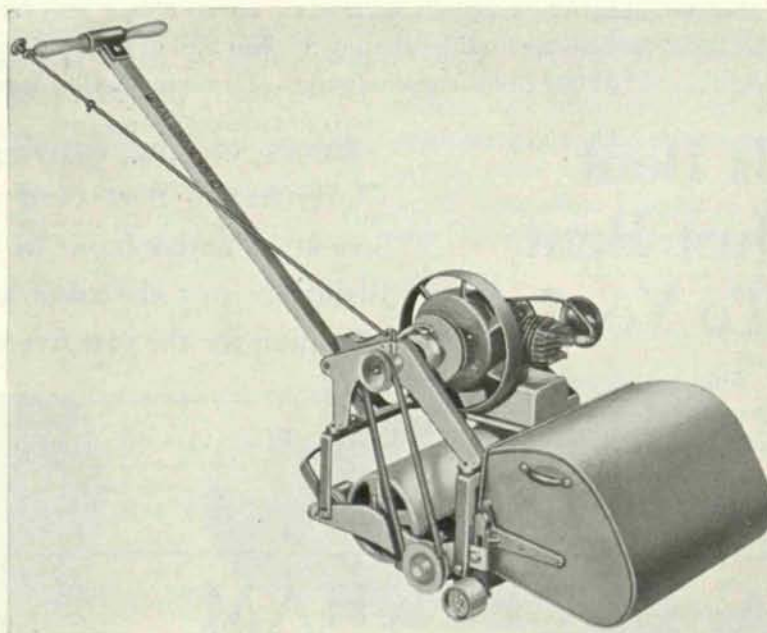
By means of a simple and unique clutch arrangement the operation of this mower is extremely simple and easy. The clutch lever comes back through an eye located on the end of the handle and on the lever is a small stop by which the clutch is engaged merely by lifting the mower handles.

With the mower is furnished a very simple, little wide-faced carrier so arranged that merely by lifting up the rear of the mower with one hand the carrier can be slipped underneath the mower, then tilted back by the regular handles and moved from one green to another just the same as the operator can wheel an ordinary hand mower.

Every detail of this machine has been worked out to make the mowing of greens easy, quick and simple. The mower has an 18-inch cut and therefore can be used safely on greens having sharp contours and undulations, does a perfectly smooth job in the heaviest bent grass and on rolling greens also. Cutting reel is 4 inches in diameter, seven blade, operated at a speed that gives absolutely smooth finished service.

NEW ROUGH MOWER

Another new piece of Ideal equipment to be displayed at the show is the new Bulldog rough mower which has been used by some of the best clubs in the country the past year and proved especially satisfactory. This rough mower is built along exactly the same lines as the Bulldog fairway



NEW IDEAL POWER PUTTING GREEN MOWER



**That McWANE PIPE
amazed me!**

McWANE CAST IRON PIPE CO.

BIRMINGHAM, ALA.

CHICAGO — PHILADELPHIA — SAN FRANCISCO — DALLAS

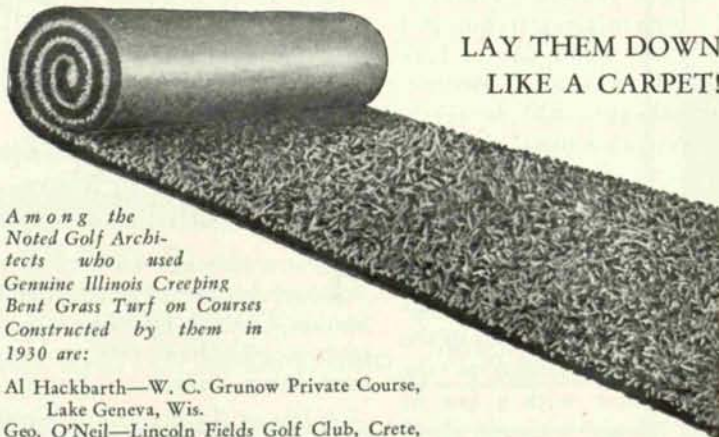
"I was sold on cast iron pipe for long life, but I didn't know you could lay small-sized cast iron pipe as fast and easily as *That!*"

The new, long-laying lengths of McWane Precalced Joint cast iron pipe in 1¼, 2, and 3-inch sizes bring out a lot of such talk among Club Officials.

No rust, because cast iron. Unskilled labor can lay, because joints are factory-made. And **ONLY** McWANE makes cast iron pipe small enough for a *complete installation* in cast iron.

Get booklet, list of courses using.

BUY YOUR GREENS READY MADE



LAY THEM DOWN
LIKE A CARPET!

*Among the
Noted Golf Archi-
tects who used
Genuine Illinois Creeping
Bent Grass Turf on Courses
Constructed by them in
1930 are:*

Al Hackbarth—W. C. Grunow Private Course,
Lake Geneva, Wis.
Geo. O'Neil—Lincoln Fields Golf Club, Crete,
Ill.
Jack Daray—White Pines Country Club, Ben-
sonville, Ill.

Hundreds of landscape architects, golf and country clubs, greenkeepers, parks, athletic fields, estates, homes, etc., utilize Illinois Grass Company's True Washington Strain Creeping Bent in solid turf form. Furnished in rolls ready to lay down like a carpet. Our solid turf has the reputation of being extremely hardy and uniform in texture. It is mowed with a putting green mower and is hand-weeded at our nurseries. Guaranteed to grow vigorously into rich, velvety greens if properly cared for. Our scientific nursery methods of preparation and growth are unexcelled. Also sold in stolon form, packed 250 sq. ft. to the bag, same quality as the turf.

Write today for prices, samples and facts about our unusual service.

J. A. CARTER, Sales Agent - - - 75 E. Wacker Drive, Chicago, or the nurseries at

ILLINOIS GRASS COMPANY 18455 Reigel Road, Dept. 321, Homewood, Ill.

Prominent Golf and Country Clubs using Illinois Creeping Bent Turf:

Lansing Airport Golf Club, Lansing, Ill.	Melody Farms, Lake Forest, Ill.
Lincolnvale Country Club, Valparaiso, Ind.	Lincolnshire Country Club, Crete, Ill.
Silver Lake Golf Club, Laona, Wis.	Beverly C. C., Chicago, Ill.
Marshfield Country Club, Marshfield, Wis.	Gary C. C., Gary, Ind.
Neillsville Golf Club, Neillsville, Wis.	Morrison Country Club, Morrison, Ill.
Crown Point Country Club, Crown Point, Ind.	Bynwood Country Club, Milwaukee, Wis.
Day Forest Estates, Glen Arbor, Mich.	Rhineland Country Club, Rhineland, Wis.
Elgin C. C., Elgin, Ill.	Deer Park Country Club, La Salle, Ill.
	Keokuk C. C., Keokuk, Ia.



mower with the exception that the units themselves are built especially for high cutting, the side frame and complete assembly is so built that with the mower standing in its natural cutting position the bottom bar is approximately 2 inches from the ground. It can be adjusted somewhat lower than this, also nearly an inch higher, which gives sufficient range for properly cutting any rough as they are maintained on the modern course today.

On every course where these rough mowers have been used the past season greenkeepers report a big saving in labor as well as better roughs, some clubs reporting as high as 50% labor-saving over the old method of rough-cutting previously employed.

One of the three-unit rough mowers will be shown at the Show in combination with the new Ideal Bulldog Tractor. This tractor is also shown for the first time. It is a lightweight, wide-wheeled tractor, built especially for golf, having the wide golf wheels, with steel or rubber wheels optional in front, equipped with starter, lights, etc., and furnished either with or without dump body.

The Ideal Bulldog five-gang mower will be shown complete at the Show, and this five-gang mower will be equipped with new Bulldog unit. The new unit for 1931 will be built standard with seven blade, 7-inch reel, giving a very high frequency of cut and insuring absolutely smooth fairways. These seven-blade Bulldog units were developed the past year where the Ideal Bulldog mower was used on courses having bent fairways and the Ideal seven-blade produced so much better looking work in cutting fine bent grass that it was decided to make all fairway machines for the next year with the higher speed, closer-cutting units.

The Ideal roller type hand putting green mower will be shown complete with grass catcher as well as special model of the hand mower mounted on stand for close inspection in reference to adjustments, bearings, etc. For close examination the exhibit will also have one of the Bulldog fairway units, also one of the Bulldog rough units mounted on special display stands.

Another brand new machine to be

shown will be the 25-inch Ideal power lawn mower. This is a wheel type mower equipped with new engine developed during the past year and with which all walking type Ideal power lawn mowers are to be equipped for the coming season. The 25-inch machine will be displayed at the Golf show because it is a size best adapted to general work around the golf course such as mowing clubhouse lawns, trimming up in narrow spots, mowing approaches, bunkers, etc. The 25-inch machine is equipped with rubber tires which can be furnished special wherever desired. Standard wheel equipment, however, is regular corrugated metal wheel.

The F. & N. Lawn Mower Co., Richmond, Ind. Booth No. 3.

This company, said to be the largest lawn mower manufacturers in the world, will be represented at the Greenkeepers' Show with a line of new, all steel fairway mowers, also a putting green, tee and hand mower.

The F. & N. all steel Quint consists of five 30-inch Titan mowers, giving a total cutting width of twelve feet. They are equipped with Timken bearings, cut steel gears and oil tight gear cases, with the result that the company believes they lead the field in the correct adaptation of these modern devices in lawn mower construction.

It is claimed that this equipment can easily cut seventy-five to one

hundred acres a day and the all-steel flexible frame permits it to operate efficiently on all kinds of ground.

An exclusive feature of this frame is a special control construction that compels the mower to continue overlapping when making turns. This company also has an exclusive patent on the self-adjusting feature of the bearings of the revolving cutter through the use of Timken roller bearings.

The F. & N. unit is absolutely guaranteed and the company states that it will refund the purchase price if the customer is not satisfied.

E. G. Staude Mak-A-Tractor Co., St. Paul, Minn. Booth No. 10.

THIS well known company will exhibit the \$695.00 Model "A" Staude General Utility Golf course tractor complete with cubic yard steel dump body.

A few of the big improvements on the 1931 Model "A" Staude General Utility Golf Course Tractor are:

Motor-equipped (standard equipment) with air cleaner to prevent dust and dirt from being drawn into the motor through the carburetor, thereby preventing cutting out of the pistons and cylinder walls.

Reinforced Model "A" Ford frame to stand the gaff of good hard service.

Rolled edge rim steel-tired front and rear wheels.

All steel cubic yard dump body



F. & N. ALL STEEL QUINT

SPRING

"IS JUST AROUND THE CORNER"

The call is in the blood—keen golfers are on their toes—ready to go, long before the chirp of the first robin. Now, before the players start to clutter up the fairways, is a mighty fine time to install those course-saving, money-saving

BUCKNER SPRINKLERS

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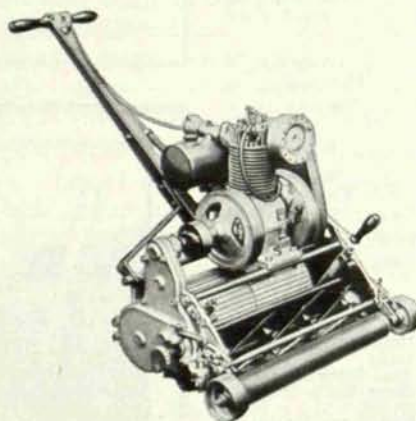
At an additional cost of only \$50.00 we equip the Model "A" Staupe General Utility Golf Course Tractor with a steel wire mesh cab, giving the operator of the tractor full protection against being struck by golf balls while operating the tractor on the golf course. This insurance against accidents is well worth the small cost in view of the protection it gives.

**Jacobsen Manufacturing Co.,
Racine, Wis. Booth No. 45**

THE 32-inch Heavy Duty Twin, one of the mowers to be displayed, is the latest addition to the 1931 Jacobsen line. The illustration shows the mower with gang attachment and riding sulky being put

through its paces at the Kenosha Country Club, Kenosha, Wisconsin, by Mr. Burrows, the greenkeeper.

We might mention at this time that Mr. Burrows, as well as Mr. Paul Jensen, professional and greenkeeper at the Kilbourn Country Club, Ra-



JACOBSEN PUTTING GREEN MOWER

cine, as well as Roy Anderson, professional at the Meadowbrook Country Club, Racine, were frank in saying that the new 32-inch with gang and sulky would be ideal for many of the nine-hole golf courses and could be used in places where it would be impossible to drive the tractor with the fairway mowers, in other words, what is known as those "close places."

The 32-inch being equipped with a twin motor has a world of power and with the gang and riding sulky will easily climb and cut grass on a 15-degree incline, not sideways, but straight up. With just the sulky it will climb and cut grass on a 25-de-

gree incline and without the sulky or gang attachment the mower will operate and cut grass on any hill upon which the wheels can get traction.

One of the important features of this new model is the two-speed transmission—low and high. Low speed for exceptionally heavy grass cutting work and hill climbing. High speed for ordinary grass cutting on level ground. In other words, where the going is easy, high speed can be used, just like in an automobile and where there is a heavy pull, second speed is used, naturally eliminating wear and tear on the motor as well as on the mower itself.

The entire operation is controlled from the steering handle, very simply and easily. The mower can be handled under all conditions because of the surplus of power of the motor which responds instantly to acceleration and deceleration. The mower can be turned around trees, shrubbery and at the end of cut, on its own power, without scuffing the turf. This is because of the fact that it is equipped with a caster wheel instead of the rear roller, which is another feature.

The gang units are quickly and easily attached to the mower. Just a few minutes' time is necessary. The side units are of high quality and are 20 inches in width.

The 24-inch Power Putting Green Mower will also be exhibited and you will probably be interested to know that in 1923 the Jacobsen Manufacturing Company first introduced power putting green mowers to golf clubs.

The 19-inch mower is desirable on the sporty or undulating putting greens now so much in favor. It will cut the round surfaces and pronounced hills and valleys smoothly



32-INCH HEAVY DUTY JACOBSEN TWIN