THE NELSON ROBIN POP-UP FAIRWAY SPRINKLER HEAD
CUTS INSTALLATION COST BY FAR THROW

The Nelson ROBIN POP-UP Fairway Sprinkler head for underground, hoseless systems covers an area 90 to 100 feet in diameter. A series of 8 or 10 cover an acre of fairway, saving much of the installation cost of systems using the old type head.

The ROBIN POP-UP is permanently placed in a malleable iron casing sunk so the top is flush with the ground. Does not interfere with mower, tractor, or golf ball.

The ROBIN POP-UP is time-tested and proved in over two years of use. It has no gears to wear out, but has positive, sure action.

Get the facts about ROBIN POP-UP Fairway sprinkler systems. Free blue prints of plans showing arrangement, amount and sizes of pipes, fittings, valves, etc., necessary sent to any club submitting sketches of fairways. Write for complete facts.

L. R. NELSON MFG. CO., INC.
1730 S. WASH
PEORIA, ILL.

Visit our Booth at the Columbus Show

"THE PROOF OF THE PUDDING IS IN THE EATING THEREOF"

Here are some of the clubs who have bought and used one or more cars of "Windrift Hardwood" humus.

<table>
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<tr>
<th>Club Name</th>
<th>Location</th>
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<tr>
<td>Alladin Country Club</td>
<td>Columbus, Ohio</td>
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<td>Belmont Hills Country Club</td>
<td>St. Clairsville, Ohio</td>
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<td>Castle Shannon Golf Club</td>
<td>Castle Shannon, Pa.</td>
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<td>Chartiers Heights Country Club</td>
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<td>Cincinnati Country Club, Cincinnati,</td>
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<td>Cincinnati Country Club, Cincinnati,</td>
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<td>Simms Park Country Club</td>
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<td>Springfield Country Club, Springfield</td>
<td>Springfield, Ohio</td>
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<td>Spring Grove Country Club, Kenton,</td>
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<td>Sunny Brook Golf Club, Kent, Ohio</td>
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<td>Ulrich Golf Courses, Inc., Sycamore,</td>
<td>Sycamore, Ohio</td>
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<td>Union Country Club, Dover, Ohio</td>
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<td>Westwood Country Club, Rocky River,</td>
<td>Rocky River, Ohio</td>
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<tr>
<td>Winging Hollow Country Club, Columbus,</td>
<td>Columbus, Ohio</td>
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</tbody>
</table>

The price for a 20-ton car is $135.00 f.o.b. Carey, Ohio.

Prompt shipment guaranteed.

THE OHIO HUMUS PRODUCTS COMPANY
JAMES A. SMITH, President
BOX 95 LONDON, OHIO

APPLY "W" then

Eye-evidence given us by unbiased greenkeepers during 1931 again proves our claims true: that Hyper-Humus is the ideal organic for putting greens, either as a base for compost or as top dressing when mixed with top soil and sand.

Being fine in texture, free from weed seeds and very slightly acid it is superior to leafmold, manure or crude peat.

The Ideal Soil Conditioner is "Cultivated"

By "cultivated" we mean that it is not shipped "natural"—but is scientifically prepared by growing and turning under cover crops like Hairy Vetch, Rye, Soybeans, etc., to produce an active humus.

No other commercial humus is given the same expert attention as ours.

We have special advice and suggestions of much value to greenkeepers. Write today telling us your problems. Literature free.

Hyper-Humus Co.
48 PARK PLACE
NEWTON - - NEW JERSEY
and easily, without scalping or gouging the greens. The 24-inch mower has the advantage on larger greens where the undulations are not so pronounced as it has a greater capacity and will effect a saving in time and labor.

The Jacobsen Power Putting Green mowers are so nicely balanced that a very slight pressure of the hand raises the mower from the ground. The center of gravity is over the large rear roller so that little if any pressure is exerted on the green by the front roller—a decided advantage over a mower which is balanced on the front roller and caster wheels. The Jacobsen Mower travels on its own power and turns on its own power.

The light weight is evenly distributed since the power is perfectly balanced over the traction roller. There is no more pressure on the green than the weight of man's foot, which means that the mower will not pack the green.

All major castings of the Jacobsen Power Putting Green mower are made of aluminum of the same specifications as are used in airplane construction. The castings are very light in weight but have the necessary tensile strength to withstand the strain to which they are subject in mower use.

The "Friend" Exhibit Gasport, Niagara County, New York. Booth No. 25

The "Friend" Manufacturing Company of Gasport, New York, will have in their exhibit the latest model "Friend" Golf Sprayer. The success that many greenkeepers have had has been due to the use of a "Friend" Golf Course Sprayer known to all greenkeepers as a "Friend."

The machine on display this year is a model DK with a 200-gallon tank. Upon close inspection, we find that the pump capacity of this machine is 12 G. P. M. and that the pump has been equipped with Zerk Alemite fittings which lubricate the plungers, yoke bearing, and crank bearings. We are informed all machines now have this equipment. The pump maintains its drip proof construction and is operated by a Stover Oilrite engine.

Upon inspecting the tank, we find that it is made of knot free cypress and has two compartments. We learn that the two compartment tank has a time-saving value which is impossible to overlook. As we know, each green has its own water supply. When the sprayer is being used, the material, whether it be fungicide or liquid fertilizer, can be applied from one tank while the other tank is being refilled. In this way, the machine is in continual operation while at the green and no delay is necessary while the tank is being refilled.

The construction of the "Friend" embodies many refinements which are essential and desirable from the greenkeeper's viewpoint. Improvement and protection of his greens by the aid of one of these machines will make him an outstanding figure in the eyes of all the members of his club.

The Universal Sand Equipment Co., 1833 Columbus Rd., N. W., Cleveland, O. Booth 49

This company will have on display one of their new, improved Universal Compost Mixers, together with advertising material and photographs of the machine in use. The Universal Compost Mixer presents the most modern method of preparing compost and top dressing. In a single operation, the machine produces and delivers perfectly-blended and prepared compost into fluffy piles. It will take soil, sand and manure as fast as three or four men can shovel into it, preparing the compost five to ten times faster than any other method and saving fifty to ninety per cent in labor.

The machine is a compact, integral unit, rugged and substantial in construction. The mechanical principal of operation consists of the rotation of an impellor assembly within an impellor housing, having intake and discharge openings. The compost or top dressing material is shoveled directly into the intake hopper, from which it passes through the machine where it is subjected to the impact action of the impellor blades which, together with the blast effect developed by the impellor, serve to thoroughly mix the material, discharging it through the air.
The Universal Sharpening Machine

Is a Money Saver For Your Club

A machine that every greenskeeper should have, to insure perfectly cut fairways, greens, and tees.

This machine is sturdily built and made to accommodate any size or make fairway, greens and tee mower. It requires but a minute and a half to place any size mower in the machine ready to be sharpened.

$150.00 F. O. B. Detroit, complete with motor. Without motor, $125.00 F. O. B. Detroit.

LAWN EQUIPMENT CORPORATION

601 W. Larned Street
Detroit, Michigan

1917 to 1931

Mr. Green Chairman and Greenskeeper:

Gentlemen look at the improvement in the 13 lucky years, all for you. The greatest serving water system of the world. Sprinklers on stands or rollers to work on any water pressure, Automatic travellers for the fairways. Then the new Underground Absorbing system for the entire golf course. The vision of sprinklers completely vanished out of sight giving glorious grounds.

See J. T. Plumer at the Golf Show at Columbus on the plan for installing

PELICAN WORKS
NILES, MICHIGAN

Economy Sprinklers

make all water systems efficient. Sturdy and wearprount, they distribute water evenly without waste.

ECONOMY IRRIGATION CO., Inc.
21 Spokane St., Seattle, Wash.
Distributors in Leading
American and Canadian Cities