

Smooth operation is permanently assured with F. \& N. TITAN Fairway Mowers because they are equipped with the patented F.\&N. Self-Adjusting Device in the revolving reel. It eliminates troublesome adjusting of these bearings.

## The F. \& N.

Putting Green Mower
For producing those velvety smooth greens so essential today, greenskeepers say the F. \& N. Putting Green Mower is the finest ever produced. Lighter and easier running than ever. It embodies selfadjusting SKF reel bearings, alemite oiling, etc. Rubber-tired car-


CLUB
cal and the nen ways. ) instance F. \& built fo construe rigid as steel ge on Timk Five bla dium st part, as Most im with the The stronge efficient three or

WRI The F. X, N. RAM

## We weed for You"

Weeds in a golf course are costly. The time to start cutting down on their cost is when you buy your seed. When you buy impure grass seeds for your greens or fairways, you begin right then to pay for weeds and you keep on paying for them in bills for labor, renovation, etc., for years to come.

It pays to know-definitely and ex-actly-the quality of the seed you buy.

That is why the Albert Dickinson Company maintains the finest commercial seed testing laboratories in America-so that they can definitely control, and can tell you the exact quality of every lot of seed.

## Grass Seeds

Grass seeds of known quality, purity and vitality-refined and tested by Dickinson, are available at all times in season.

| Kentucky Blue Grass | Wood Meadow Grass |
| :--- | :--- |
| Fancy Red Top | Rough-stalked |
| Chewing's Fescue | Meadow |
| South German | Meadow Fescue |
| Mixed Bent | Bermuda Grass |
| Colonlal Bent | Pacey's Rye Grass |
| Sheep's Fescue | Italian Rye Grass |
| Crested Dogstail | Domestic Rye Grass |

Specify genuine Dlckinson
Golf Quality seeds of your
local dealer. For sam-
ples, speding information,
and other information,
write

## THE ALBERT DICKINSON CO.

World's Largest Handlers of Quality Grass Seeds

CHICAGO


## Enjoy the Protection of this Shelter House

When the sun is blazing, when an unexpected storm blows up or when golfers get just plain tired-those are the times when a Hartmann-Sanders Shelter House is invaluable.
Not only do they provide greatly increased comfort-they distinctly add to the beauty and dignity of the entire course. Each Shelter House is the finest of its kind. The materials are the best, the workmanship is the best. The designs are the product of highly trained men whose sole duty is to create for Hartmann-Sanders.
Each Hartmann-Sanders Shelter supported by columns uses the famous Koll Lock-Joint Column which cannot come apart.

All of our equipment comes painted ready to assemble. There is no chance to go wrong !

## A BOOKLET OF <br> PERGOLAS AND GARDEN HOUSES WILL BE SENT UPON REQUEST <br> 

We have published a large, profusely illustrated book which offers countless suggestions to those who seek distinction in their home surroundings. It shows page after page of beautiful pergolas, garden houses, ornamental fences, garden entrances, seats, rose arbors, trellises, columns and garden accessories of all kinds. For the booklet, send 30 cents to

HARTMANN-SANDERS CO.,
Factory \& Showroom: 2183 Elston Ave., Chicago Eastern Office and Showroom:
Dept. O., 6 East $39 t h$ Street, New York City

# HARTMANN~SANDERS 



Velvety greens, thick, grass carpeted fairways - invigorating showers in the house-these make the golf club. And they all depend on high pressure water. High pressure water also means real fire protection.

A Kewanee System gives all the water needed, fresh and clear, every place that water is wanted.

## KEwanee WATER SYSTEMS

Many distinctive features make them run smoothly, with a minimum of power and without "breakdowns" or replacements. For instance: Every bearing point is bronze bushed, easily replaced: Every part is made for every other part, accurately machined, ground, fitted and tested before the outfit goes out.
200 Models and sizes - there's one just right for every club.


In our engineering department are engineers who have worked out the details for many of the finest clubs in the country. They are at your service. Merely write.

KEWANEE PRIVATE UTILITIES CO.

## The Duffers do Damage Enough!

> Why pay good money to have the course dug $u p$

Why have your golf course constantly dug up, laying new pipe-when it is unnecessary? Cast Iron Pipe does not rust or deteriorate, causing replacements. Once laid, it can be forgotten and the course kept in good condition.

Clow-National Two-Inch pipe is ideal for golf courses and is widely used. Equipped with several different type joints, it is easy to lay-by ordinary, unskilled labor.

Write for catalogue and prices

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Sales Offices:
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## Permanent Drainage Protects the Play

MANY unfair penalties in the score, as well as added maintenance, are caused by inadequate sub-drainage.

Drainage methods, and drain pipe materialsthatwere tolerated a few years ago, do not meet the requirements of the modern game. There can benointerruptionsintheplay by the pick and shovel gang.

Today's game requires permanent drainage with Toncan Iron perforated drain pipe. It has several outstanding advantages that protect the play and lower maintenance costs.

It will last longer - for Toncan (alloy) Iron resists rusting and soil corrosion. Thousands of tests prove it to be the longest-lasting drain pipe material.

It is strong, and flexibleproof against the heaviest rollers, and freezing soilsand easily handled and installed.

Both structurally and because of its alloy composition, Toncan Iron drain pipe provides permanent drainage.


## TONCAN CULVERT MANUFACTURERS' ASSOCIATION, MASSILLON,OHIO

Plants located in All Parts of United States and Canada

## TONCAN mocuoben IRON



## It Pelfects

 the cutting edges of any make of Mower
## And That Means Perfect Turfs

The Peerless Mower Sharpener is the only machine that sharpens all makes of Power, Horse and Hand Mowers scientifically - quickly -perfectly-does the work as nothing else can. Operated by $1 / 3 \mathrm{H} . \mathrm{P}$. Motor-attach it to your lamp socket. Special Grinding Wheel for sickles, scythes, etc. Skate sharpening attachment included. Will save its cost the first season. Write for catalog and list of users.

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A Super Quality of Natural Humus The Cultivated and Prepared Soil Organic
Use it for top-dressing established greens. Mix it with top soil and sand for foundation for new greens. 190 lbs . of water can be absorbed by 100 lbs . of Hyper-Humus. Insure your greens against drought. Write for literature and our special suggestions to greenkeepers.

## Hyper-Humus Co. 51 Park Place

## Where superfine turf is desired, use

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## Special Grass Seeds

For putting greens and lawns of beautiful estates, these special mixtures give wonderful results. Perfectly adapted to various conditions of soil, sunlight and shade.

Our Special Grass Seed Circular Is Free

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contains suggestions on lawn beautifying, ornamental planting and flower and vegetable gardens. Sent free to anyone mentioning Golfdom.

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1306 Spring Garden St. Philadelphia, Pa .

## It Pushes at a Finger Touch

 ...this Precision Built
## Greensmower



With the skill and knowledge of over ten years, building grass-cutting equipment, Ideal has designed and built their finest Greensmower.

Operators find it the lightest-running they ever used. Greenskeepers find it has a frequency of cut that leaves the grass, more even-with an absence of those tiny waves and riplets.

The reasons are: ball-bearings of highest quality, aluminum frame and roller, keen-edged, sevenblade, high speed cutting reel. Send today for the details on this outstanding mower.

IDEAL POWER LAWN MOWER COMPANY 446 Kalamazoo Street $\therefore$ Lansing, Michigan

IDEAL GOLF COURSE EQUIPMENT

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J. Chas. McCullough Seed Co., Cincinnati, Ohio
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The low wheels on the Bulldog cutting unit permit a simple pinion-and-pawl drive. High wheeled mowers necessitate a chain-of-gears drive that can cost high when it goes wrong. Bulldog repairs can be made quickly, right on the job.
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