

# WORTHINGTON Mowing Equipment

Lawn Tractors, Gang, Power  
and Hand Mowers — *also*  
Golf Course Appurtenances

All of the International Golf Competitions in 1928 have been awarded to Courses using Worthington Fairway Equipment.

*Complete information and prices  
will be sent promptly on request.*

**Worthington Mower Company**  
Stroudsburg, Pennsylvania

New York  
11 East 44th Street

San Francisco  
52 Beale Street

Chicago  
517 S. Laflin Street

Montreal  
132 St. Peter St.

Agencies in all principal cities

# "You can't putt straight with an egg"



## "How a Golf Ball is Made"

Let us send you a free copy of an absorbing human interest story of the building of a golf ball, by Robert H. ("Bob") Davis, internationally known author and editor. Address any one of our many branches or The Golf Ball Department, 1790 Broadway, N. Y.

YOU can't putt straight with an egg and you can't putt straight with an off-center golf ball. It has to be round—completely and mathematically round—not only outside but *inside* as well.

That's the kind of roundness and perfect balance that, in greens play, has put the "U. S." Royal in a class by itself.

X-Ray photographs have told their own story of the "U. S." Royal's putting supremacy. They show that it is round, from its tough resilient cover right through into its heart and that its center of gravity is accurately fixed at the exact center of the ball.

That's why under normal conditions this famous ball never wobbles—never rolls off, and why it is consistently turning in lower scores.

There is no ball made that will drive further than the "U. S." Royal and none that will take harder punishment. Play it as long as you can keep it—you can't knock a "U. S." Royal out of round.

United States Rubber Company

# "U. S." ROYAL

## *Golf Balls*



*Championship awards  
prove the character of*

# FLOSSMOOR Creeping Bent Greens

The National Open, the Western Open and the Western Women's were awarded to clubs having **Flossmoor creeping bent greens.**

The men who serve on selection committees are veteran, practical experts in judging greens.

Remember this when considering what strain of bent your club will adopt.

A lengthy, convincing list of clubs with Flossmoor Creeping Bent greens awaits your request.

*We are the only growers of the original Flossmoor strain of creeping bent*

## FLOSSMOOR NURSERIES, Inc.

*Under the personal supervision of Harry J. Collis*

30 N. MICHIGAN AVE.

CHICAGO, ILL.

### Plan Your Hoseless System Now

No other investment on a golf course will pay as big a dividend. Saves half the labor and eliminates hose.

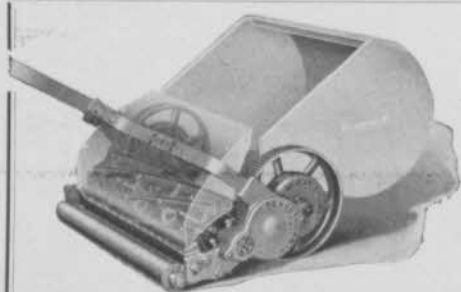
SELF CLOSING UNDERGROUND SNAP VALVES eliminate all small service leads and service valves. No gravity leaks on hillsides. Simply SNAP a GOLF KING No. 6 sprinkler on to any valve and it immediately starts to work and covers greater area than any other sprinkler. GOLF KING No. 6 is the only sprinkler that will work satisfactorily on a HOSELESS SYSTEM as it was designed for this work by the people who originated the HOSELESS SYSTEM.

Write for full literature.

**Buckner Manufacturing Co.**

FRESNO, CALIF.

Leaders in the Development of  
Golf Course Irrigation.



### Easier-pushing, Smoother-cutting Than Ever!

Greenkeepers in all parts of the world who have, for years, been using the famous easy-pushing ARISTOCRAT or PENNSYLVANIA GOLF high-wheel greens mower will be quick to respond to our recent announcement of the NEW ARISTOCRAT, an improved model which is still easier-running and smoother-cutting.

This NEW ARISTOCRAT, which is especially adapted to the close-cropping of the modern creeping bent greens, is made in one size only—19-inch—and is priced at \$40, f. o. b. Philadelphia, without grass box. Extra for grass box, \$8.00.

Without obligation to you, we will be glad to arrange for a thorough demonstration on your own greens. Write for full details and for attractive folder describing our "NEW" FAIRWAY MOWERS.

**PENNSYLVANIA LAWN MOWER WORKS**  
1628 North 23rd Street Philadelphia, Pa.



# *better* turf

**N**OW is the time to make a careful study of the fertilizing requirements of your course.

This fall lay the foundation for excellent greens and fairways by using Premier Poultry Manure, the natural grass food that hundreds of the country's best conditioned courses endorse without reservation.

Under widely varying soil and climatic conditions Premier Poultry Manure has demonstrated emphatically its permanent value as a builder of abundant, healthy turf.

Write us today for the name of your nearest dealer so you can get prompt shipment of the Premier Poultry Manure you need this fall.

## PREMIER POULTRY MANURE



### Best for turf because:

- It is a natural grass food and stimulant.
- It is a balanced manure containing 6% Ammonia, 2.50% Phosphoric Acid and 1 to 2% Potash.
- It contains no live weed seeds.
- Being organic it aids humus and aids bacterial action.
- It can be applied with a minimum of labor and expense.
- Being more soluble than other manures it is more available.
- Being finely pulverized, it is quickly absorbed into the soil.

*Send for name of nearest dealer*

**PREMIER POULTRY MANURE CO.**

308 W. Washington St.

CHICAGO, ILLINOIS

**BETTER GREENS    P R E M I E R    BETTER FAIRWAYS**  
**POULTRY MANURE**

-- Fall seeding time is here

# order **Seed** now!

Fall Seeding brings in thicker, hardier turf *earlier* in the spring.

Prompt shipments from the largest stocks of especially selected golf seed in the country.

## *Fairway and Putting Green Varieties and Mixtures*

Kentucky Blue Grass—Recleaned Red Top

Chewings' Fescue — Sheep's Fescue

Bermuda Grass — Japan Clover

*Creeping Bent Stolons*

Red Fescue — English Rye Grass

Meadow Fescue — South German Bent

Carpet Grass—Fancy White Clover

## SEED, SEEDING EQUIPMENT AND SUPPLIES

COMPOST MACHINES — FERTILIZERS — ROLLERS

MILORGANITE — HARROWS — CHAIN DRAGS

TORO MOWING EQUIPMENT — TRACTORS

# J. OLIVER JOHNSON, Inc.

WORLD'S LARGEST GOLF COURSE SUPPLY HOUSE

Morgan, Huron, Superior Streets,

© REG. J. O. J., INC., 1928

CHICAGO

Phone Monroe 6580



## SITTIN' PRETTY

## Lake Shore Golf Club (Detroit)

Is doing so with rustproof irrigation system of McWane cast iron pipe. No more watering troubles for this handsome club—and at smaller cost per year of service.

Ask for names of users.

## McWANE CAST IRON PIPE CO.

Chicago  
Philadelphia

Birmingham  
Los Angeles

## Playing Seasons Increased Three to Four Months

The Allegany Country Club  
Pittsburgh

The Oakwood Country Club  
Cleveland

Glenview Club, Chicago  
The Detroit Golf Club

These clubs increased their playing seasons from 3 to 4 months each year by the scientific drainage engineering of this organization. And playing is the only excuse for a club's existence. We believe we can do the same for you—working co-operatively with the architect or local contractor.

## WENDELL P. MILLER and Associates GOLF COURSE DRAINAGE Engineers Constructors

208 So. La Salle St.  
Chicago

85 East Gay St.  
Columbus

# PHILADELPHIA TORO CO.

1528-32 Belfield Avenue  
PHILADELPHIA, PENNA.  
SOLE DISTRIBUTORS



## PRACTICE GREEN MARKER

Staff is fitted with a plate which catches the ball as it drops in the hole. When staff is lifted ball comes out automatically.

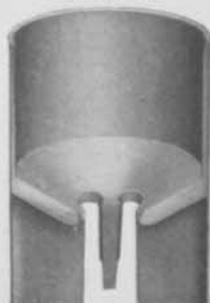
## FLETCHER PRODUCTS

The bottom of the cup is cone shaped, and the practice green marker or flag poles automatically fit in. Even with the flag poles in the cup, the water drains out of the side as well as the bottom.

## CROWN TEE MARKER



Does not mar the tee and allows the grass to grow.



DRAINWELL CUP

# COMPOST

Make it, Load it—  
Better—  
Quicker—  
Cheaper—  
with

## ROYER COMPOST MACHINES



As fast as these 4 men shovel in the raw material—wet or dry—lumps or sod—

The ROYER transforms it into a stream of completely mixed and pulverized topsoil—

And Loads It—thus eliminating another handling. Thorough, quick, and economical.



ROYER Compost Machines are effecting savings of 70% to 90% everywhere they're used. The most efficient compost machine made—their work is guaranteed.

**3 MODELS:** (M)—shown at extreme left, (Special M)—center, and (K)—right. One of these models will meet your particular requirements. Write for descriptive literature.

**L. F. MITTEN**

Sole Distributor 820 Miners Bank Bldg., Wilkes-Barre, Pa.

# Congratulations

to

## TORO IDEAL JACOBSEN TOWNSEND PENNSYLVANIA

WHEN you adopted the "Hollow Roller" principle in the manufacture of putting green mowers you contributed to greens maintenance in a manner that won immediate approval of greensmen throughout the world of golf.

This same "roller type" design, with which you have revolutionized *greens mowing*, is an exclusive and distinguishing feature of ROSEMAN Hollow Roller MOWERS for *fairways*.

That ROSEMAN MOWERS are improving fairways, is confirmed by the increasing demand for Hollow Roller type mowing equipment.

### TO GREENSMEN

ROSEMAN Hollow Roller Mowers for fairways may be purchased by payments spread over 3 yearly budgets rather than burden the purchase year. Write for particulars.

## ROSEMAN TRACTOR MOWER COMPANY

11 WEST 42ND STREET,  
NEW YORK CITY

810 CHURCH STREET,  
EVANSTON, ILL.

Reg. U. S. Pat. Off.

# Golfdom

THE BUSINESS JOURNAL OF GOLF

SEPTEMBER, 1928



Far Better Than the Average Small Town Clubhouse Is This Home of the Stafford Country Club, Serving the Golfers of Three Neighboring Small Towns With Facilities of Metropolitan Standard

## We Got Away from Our Mistakes Early

By SCHUYLER C. WELLS

*President, Stafford (N. Y.) Country Club*

PLAY as you go and then the question of meeting the regular running expenses that seem to be such a problem in the articles on "Who Pays" will be no problem at all.

It is my observation that the average country club is started on 75 per cent enthusiasm and 25 per cent cash, which results in either a half-baked layout which is unattractive if a debt is to be avoided or an annual interest charge if a good course is constructed. I don't know which is worse. The first finds it hard to attract members because it has nothing to offer, while the second finds it neces-

sary to inflict high dues and assessments to keep going.

The Stafford Country club started out true to form on the 75-25 plan, but before considering Stafford I would like to point out that there are two distinct types of clubs: the first, located in or near large centers where property values are constantly rising, has a full membership and a long waiting list composed of people who do not object to high dues or reasonable assessments. Clubs of this sort, which are largely social, cause no particular worry. The other class, however, comprises that large crowd of which Staf-



ford is one, located in a small community where men of limited means make up the bulk of the membership and where the annual expenditure of a member because of the club is many times the determining factor whether a man feels he can join.

The Stafford Country club is located at Stafford, N. Y., midway between the thriving small city of Batavia and village of Le Roy, with a combined population of 20,000. The idea of the club started, as is generally the case with clubs of this sort, with no real conception of what a club should be and with little thought of what it would cost to construct and maintain. The original layout called for a total expenditure of \$50,000—\$30,000 for land sufficient for eighteen holes and \$20,000 to construct nine holes after the plans of a local western New York architect and to cover the cost of certain minor changes to a farm house that was on the property. The financing was to be met by selling 200 transferable memberships at \$150 each, and a mortgage on the property for the balance.

### How Costs Were Raised

The scheme looked feasible until Walter J. Travis stepped into the picture and right there the whole proposition changed from an ordinary course of mediocre character and design to a real layout that is considered one of the most interesting and toughest in western New York. Bonds for \$60,000 to cover the cost of constructing the first nine holes, the installation of the water system and the building of a clubhouse, which Mr. Travis' plans made necessary, were sold to members and everything went along beautifully until it became evident that with an annual interest charge on bonds and floating indebtedness of \$4,000 per year, or \$20 per member, that dues would have to be raised. This was the second milestone in Stafford's development.

Increase in dues meant the elimination of a lot of good members who simply couldn't afford it. Hence it was proposed to go to the members and ask them to give what they could afford to retire this indebtedness. The money was raised after a lot of preliminary work, largely on the basis that we used during the war, of everyone giving according to his means and at the conclusion of the campaign a resolution was passed by the Board of Governors, setting up the policy of keeping out of debt and where improvements

or betterments were needed to raise the necessary money before spending it.

As an extra source of income the transfer privilege of a membership certificate was eliminated as far as it related to people joining after that date. This, while protecting those who had contributed to defray the club's indebtedness has gradually reduced the number of original membership certificates and hence has materially increased the income from new members.

The policy we have of keeping out of debt has worked admirably and so sold is the membership on the proposition that during the past year two campaigns have been put on, originating by the way in the membership themselves; first, to build a new men's locker house and construct new women's quarters, and second, a campaign to complete the second nine. These campaigns were undertaken by the Finance Committee only after an exhaustive survey by the board as to the need for the extensions and the probable increased cost of maintaining the second nine holes. This last item was thoroughly gone over and the necessary increase in initiation fees and dues was passed by the board and incorporated in the subscription papers so that the membership might know exactly what they were in for should they elect to subscribe the money for these extensions. A total of \$50,000 has been raised in subscription notes, payable with interest in installments over two years. The clubhouse extension has been completed within the estimate which gives our members as fine locker facilities as I have ever seen in a small club, while construction work on the second nine is nearing completion, which assures play the latter part of next season on this part of the course.

### Family Memberships

Initiation fees were raised from \$150 to \$200 and dues from \$60 to \$75 for resident and from \$25 to \$40 for non-resident, giving us an estimated increase of \$4,500 per year which would be ample to take care of our increased maintenance problems. These dues, by the way, as far as they relate to resident members, cover family memberships, so that there are no extras for a wife or non-supporting children, except a locker charge of \$8.00 per year should a member desire one, which just about covers the cost of locker expense. Our income from this source is approximately \$1,200 a year. Green fees are \$2.00

per day and while revenue from this source could be increased to large degree, we have not allowed play by outsiders except when accompanied or introduced by a member. Stafford has endeavored to set as high a standard as possible in locker, caddie, clubhouse and course maintenance. Drives and grounds have been laid out by a landscape architect and are kept in as good condition as the rest of the club property. Plans covering a ten-year planting program are under way, which when completed will give us a club and course, attractive, comfortable, homey and at dues that are reasonable.

Of course, it is true that Stafford has among its membership those who can and do give liberally, but the real success is due to the fact that the membership takes its part. Another cause and perhaps equally important is the time and real work that the Board of Governors have always given to club affairs. All construction work has been on a day basis rather than by contract. Material has been purchased at lowest prices direct from first hands, so that for every dollar spent there has been a good dollar's worth of results.

The governors, each of whom is the chairman of some committee, meets monthly, and there is scarcely a session that breaks up in less than four or five hours. Of course, the club is run on a budget plan and each governor is furnished before each meeting with the comparison of the expenditures of each committee as against that allowed in the budget.

### Equipment Reduces Upkeep

Adequate machinery and equipment has materially reduced upkeep expenses. This includes at present a one ton dump truck, a light truck, a power compost machine, two Fordson tractors, a five unit gang mower and a three unit Ideal as well as other items found in the average club. It might be of interest to add that we use a five unit fairway mower for cutting the rough as we find it a great time saver.

The restaurant is run on the concession plan, the club paying the steward \$200 a month, which covers all services in the house and in turn he makes his profit on all meals served. This eliminates all possibility of a deficit in this part of the club, which so generally ends in red at the end of the season, and also does away with checking of purchases and other details which it is almost impossible to supervise unless a club manager is employed.

Caddies are given weekly instruction by

the professional or caddie-master, and because of the playing privileges they enjoy certain mornings each week and the big caddie tournament at the close of the season, this service, while not 100%, is yet on a par with most clubs as to quality and the number of caddies available.

### Looks Ahead; Builds Right

Stafford has been successful largely because it has built a bridge before it attempted to cross the stream. At the "go in" it bought all the land necessary for future development. It has believed that real economy lay in buying the best whether it be engaging Mr. Travis for course architect, procuring the most modern course equipment or using softened water in the clubhouse in order to keep down plumbing repairs. The board believes in small dues, and to make this possible, the locker charge was instituted and dances run on the subscription basis rather than as a club expense, on the theory that those that use and enjoy these privileges should pay for them.

Plan ahead, eliminate the interest charges, give the membership as good or better than they can get elsewhere, use the most modern equipment, meet issues squarely which involve the spending of money over that allowed in the budget instead of passing the buck to the next year's board, and there will be little necessity for the discussion of "Who Pays."

### "Games Wanted" Bulletin Is Locker-Room Feature

AT the Flossmoor Country club (Chicago District) there is a blackboard prominently displayed at the locker-room entrance. This is the "Games Wanted" bulletin on which any of the Flossmoor members who want games are to write their names. From this board many a foursome is filled out and because of it no member need worry about being without a game.

TO keep the dining-room and locker-room employes satisfied and on the job, it is advisable to establish a fund to be split at the end of the season among the workers on some fair basis, taking length of service and wages drawn into consideration. Raise the fund either by subscription among the members or by adding 10 per cent to all charge-tickets. The no-tipping rule should be rigidly enforced if an employes' fund is collected.

# WHY We Have Weeds; HOW We Prevent 'Em

By B. R. LEACH

**I**N August GOLFDOM I discussed the virtues and weaknesses of ammonium sulfate as a weed control agent, pointing out that the value of the chemical in this regard rests upon the fact that it tends to make the soil more acid in nature, thereby making the latter more suitable for the growth of the fine turf grasses and less so for the growth of many weeds which prefer a sweet or alkaline soil. It was shown that ammonium sulfate was most efficient as a weed control agent in soils of a neutral type, that is, midway between acid and alkaline, but that where the soil was naturally endowed with limestone or where the water used on the course was impregnated with lime the ammonium sulfate was laboring under too great a handicap and could not be expected to give satisfactory weed control. Under the circumstances ammonium sulfate cannot be correctly considered as a weed control agent for universal use. Soil conditions must of necessity be just about so so for the chemical to function.

## Analyze Your Soil

Apropos of the above paragraph the question may be very aptly raised as to how the officials of a given golf course are to know whether the use of ammonium sulfate will produce results in controlling weeds on their particular course. This is a fair question and can be fairly answered. As a matter of fact the officials of not one golf course in ten have any adequate knowledge of the soil comprising their course or the soil, sand, etc., they are using for topdressing purposes. Many of these golf courses, struggling along under a load of expensive maintenance troubles, would be well advised in spending the small amount of money required for the services of a competent soil technologist, who in a few days' time would thoroughly examine the fundamental nature of the soil making up the course, determining whether it was naturally acid, neutral or alkaline in nature, and whether its original nature had been changed by the fertilizing program of the club during the previous years.

At the same time he could examine the chemical nature of the water supply and check up on the degree of acidity of the ingredients of the topdressing. With this information in hand it would be a simple matter for instance to ascertain whether you can expect anything from the use of ammonium sulfate. Many a golf course is using ammonium sulfate and then applying topdressing so alkaline that it more than counteracts the acidity of the sulfate. A proper soil examination would disclose such a condition and all possible corrective measures could be applied. For the services of a competent soil technologist it is advisable to get in touch with your state experiment station.

## Weed Origin and Dispersion

What is the origin of the innumerable weeds found on the majority of golf greens? They do not occur spontaneously. Rather they are the result of a definite phase of nature's handiwork. If you cast your eye over a golf course, taking in the rough, fairway and green areas you will see weeds everywhere. Each and every one of these weeds is growing with one definite object in view, namely to reproduce itself by means of *seeds*. When these seeds ripen nature scatters them largely through the instrumentation of wind and water, although birds and other animals play some part in the process. As a result of this constant weed seed production and dissemination the soil surface *everywhere* is well supplied with weed seeds and if given half a chance they will germinate and grow.

Under the circumstances, in considering the question of weed control by artificial means we are concerned with only the upper soil layer to a depth of one-half inch at the very greatest and usually not more than the upper eighth inch. If by any means whatsoever, we can prevent those weed seeds already present at or near the surface of the soil from germinating normally and if in addition we can prevent the normal germination of those weed seeds which are subsequently blown