An International Power Unit on the job. These engines are available for gasoline, gas, and Diesel operation.

Cut Fairway Watering Costs with This Low-Cost Power

International Power Units bring great economy to fairway watering. Put one of these engines to work driving the pump and power costs are cut to the bone. Their brilliant performance, low-cost operation and maintenance, dependability, and long life make them the soundest kind of an investment in power.

Find out how International Engines can cut power costs for your club. Besides pumping water for the course, swimming pool, clubhouse, etc., they can provide power for lighting. The nearby International industrial power dealer or Company-owned branch will give you complete information.

INTERNATIONAL HARVESTER COMPANY
(Incorporated)
180 NORTH MICHIGAN AVENUE -- CHICAGO, ILLINOIS
Greens Committees who look ahead for returns on irrigation investments are invited to consult leading engineers who use COP-R-LOY Pipe. This is the famous copper alloyed steel pipe pioneered by Wheeling ten years ago. It has established a new standard of durability in pipe—for more dependable performance and for more economical operation through longer years of service. Wheeling Steel Corporation, Wheeling, West Virginia.

COP-R-LOY Pipe
Ted Husing, C. B. S., broadcasting the P. G. A. Tournament at Shawnee from a specially equipped Worthington Tractor and Trailer Dump Cart.

WORTHINGTON EQUIPMENT helps you solve many golf course problems — economically

When your golf course is Worthington equipped, you save time, money and man-power, for Worthington is designed to meet every mowing problem. Not a mowing problem, but an example of Worthington’s versatility was the Mobile broadcasting studio from which Ted Husing of the Columbia Broadcasting System, and Harry Nash, of The Newark News, so ably reported the recent P. G. A. Tournament at Shawnee. This Worthington Tractor and Trailer Dump Cart, radio-equipped, enabled them to follow the players stroke by stroke and to report the play—for the first time in golf history—as it developed, for Worthington kept them where they could see every shot, over the heads of the pressing gallery, untired by running from vantage point to doubtful vantage point.

A good tournament on a perfect course, kept in championship condition with Worthington Gang-Mowers for the fairways and the rough, and Worthington Overgreens for the accurately true greens—equipment that will put your course in championship condition, too, and keep it there.

It is interesting to note that 44 out of 56 courses in the United States, Canada and England, on which the National Open and Amateur Championships have been played, used Worthington equipment and that there are more Worthington Gang-Mowers in use throughout the world than all other makes combined.

Tear out this coupon for handsome, illustrated catalogue with full details of Worthington time and money-saving equipment.

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WORTHINGTON MOWER CO. Stroudsburg, Pa., Dept. G/S

Please send catalogue on your equipment at no obligation.

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Here’s the Answer to Your Greens Problem

The ROYER COMPOST MIXER

If the cost of maintaining your greens in first-class playing condition is bringing protests from the finance committee, a ROYER Compost Mixer is the answer to your problem.

The ROYER prepares uniform, thoroughly conditioned compost at a mere fraction of the cost of hand methods. It’s worth investigating.

For sale by leading golf equipment houses

ROYER FOUNDRY & MACHINE CO. 158 PRINGLE ST. KINGSTON, PA.
Although turf on our fairways is fair, there is tendency for grass to thin out and for weeds to increase. Fall fertilization has been emphasized as best because we are in the belt where crab grass is a real pest. What do you recommend as best practice?

Representative soil samples should be tested for reaction, available phosphorus, and possibly potassium.

Where lime is needed, a test for available calcium and magnesium is helpful because with low magnesium a dolomitic lime should be used.

If needed, apply appropriate quantities of lime and phosphate this fall, then additional quantities will not be required for several years. Two to four, in all probability. Unless soil is a peat, or barren sand, need for potash is unlikely.

Organic nitrogen is ideal for fall use. One containing a minimum quantity of water soluble nitrogen (such as Milorganite) is best. Climatic conditions favor conversion of the water-insoluble nitrogen into available forms but any portion not used during the fall season remains for use in the spring, because low winter temperatures prevent conversion of insoluble nitrogen into leachable soluble compounds. Since fairway turf is fair to good, the rate per acre (for Milorganite or similar material) should approach 800 to 1000 pounds.

Tell us about your Turf Problem. The facilities and services of our Soil Testing Laboratory and Field Agronomists are at your disposal, within reasonable limitations.

Turf Service Bureau
THE SEWERAGE COMMISSION
MILWAUKEE WISCONSIN

feed with MILORGANITE
THE ORGANIC-NITROGEN TURF FERTILIZER
HAMULINAL The Non-Acid Fertile Peat

AUTUMN IS THE TIME TO INSTALL YOUR BUCKNER Watering Equipment

While your course is in less use and before frost comes is the time to install Buckner Irrigation. Piping settles properly, the system is thoroughly frost-tested and turf is restored to normal before the busy Spring season gets under way. Write NOW for full information or for one of our executives to call. Golf course experts turn to BUCKNER, the pioneers of Golf Course Irrigation.

BUCKNER MANUFACTURING COMPANY
FRESNO, CALIFORNIA
7656 So. Alum Ave.
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The New Material For Making Greens

Long in use abroad. All the new turf for Olympic Games in 1936, which prompted such unfailingly favorable comment, was built with Huminal exclusively.

It's a non-acid, finely flaked peat, impregnated (not just mixed) with the essential root foods, in rightly balanced proportions. Ideal for re-conditioning old greens, or making new ones.

As an opportunity to make trial tests of Huminal, we are offering Golf Clubs a free bale of 70 pounds each F.O.B. New York.

There being a limit to the number of bales set aside for the purpose, it's advisable to send your request promptly.

ERIC WEDEMEYER, 230 Fifth Avenue, New York
When worm casts stymie your ball, pitch over them—but who wants to pitch on a putting green?

During the early fall, worms are nearer the surface than during the dry summer months. Now is the time effectively to kill them before breeding.

Leading clubs use spike discs frequently for good greens and fairways.

**DIWORMA**, diluted one and one-half pints to fifty gallons of water will do the trick. Coming to the surface to die, they can easily be raked up. Does not burn the grass. A boon to greenkeepers.


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**Stymied—By Worms**

When worm casts stymie your ball, pitch over them—but who wants to pitch on a putting green?

During the early fall, worms are nearer the surface than during the dry summer months. Now is the time effectively to kill them before breeding.

**DIWORMA**, diluted one and one-half pints to fifty gallons of water will do the trick. Coming to the surface to die, they can easily be raked up. Does not burn the grass. A boon to greenkeepers.


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**No. 1**

**Headquarters for BENTS**

Read what one of our large growers says in an unsolicited letter:

"This in our opinion is probably the largest single order for bent grass that has been issued in this country. We want you to know that we greatly appreciate the confidence that you have placed with us in giving us an order of this size. We will undertake to supply the seed to you in such a manner as to meet with YOUR most exacting requirements."

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**NO POLLUTION! NO ADULTERATION**

That's what **PURITY MEANS**

Startling but true! We offer Seeds of the following that have been proven by test to be over 99% pure:

- Coos County Seaside Bent
- Rhode Island Bent
- Red Top
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- Kentucky Blue
- Also True Velvet Bent (94% pure)
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- Reliable Putting Green and Fairway Formulas.

You buy the best when you buy our Seeds: same-day shipment from our air-conditioned warehouse.

**Catalog of Golf Course Requisites and Equipment on request. Write for prices now.**

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**The C. B. Dolge Co.**

Westport, Connecticut

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**Stump & Walter Co.**

132-138 Church Street (Corner Warren St.)
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There's more to the design of a golf hole than just building a tee, mowing a fairway and sinking a cup in a haphazardly-located green. Certain distances make interesting holes; other lengths make for monotony. The lay of the land must be taken into account. Sand traps must be located with care.

If you would like to know why certain golf holes are a delight to play, and why some golf courses are more enjoyable than others, read Robert Hunter's famous book —

**“THE LINKS”**

Profusely illustrated with photographs and diagrams of famous golf holes in America and England; tells why these holes are famous.

Published originally at $4.00 and now being closed out at only 75c per copy, postpaid.

This book will give you a better understanding of the game and the ability to recognize a good golf hole when you see it.

It will also give club officials who are planning course changes a clearer understanding of the value of competent architectural advice before going ahead with the changes. “The Links” has saved many a club from unsound course revisions.

Send check, money order, or coins today. Because of the low price, C. O. D. orders cannot be accepted.

GOLFDOM, 14 E. Jackson, Chicago, Ill.
Nu\textbf{R}EXFORM ARSENATE OF LEAD

\ldots\ldots\ldots\ldots the worm's worst enemy

- Nu\textbf{R}EXFORM, the Improved Arsenate of Lead STOPS insect damage to greens and fairways, lawns and shrubbery. Properly applied, either as a spray or dust, Nu\textbf{R}EXFORM settles in the ground to a depth of two to three inches and when the grubs and earthworms feed on the tender roots—Nu\textbf{R}EXFORM poisons them.

Nu\textbf{R}EXFORM Lead Arsenate is the recommended lead for golf course use because of its fineness of particles, uniformity and ease of application.

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E. I. DU PONT DE NEMOURS & COMPANY, INC.
GRASSELLI CHEMICALS DEPARTMENT
WILMINGTON, DELAWARE

Recent and interesting \textbf{SKINNER SYSTEM} installations

- From sales made since our last advertisement in Golfdom, here are a few of the more unusual and interesting installations:
  - The Hermitage (Andrew Jackson’s Old Home), Nashville, Tenn.
  - Asiatic Petroleum Co., Athletic Field in Venezuela
  - University of California, Lawn Areas
  - Tropical Park (well-known to Racing Fans), Miami, Fla.
  - Paradise Golf Club, St. Petersburg, Fla.

From every corner of the world, for every watering purpose, The Skinner System, in a range of equipment and scope of experience, has proven invaluable.

Put your watering problems up to us. Send for descriptive booklets.

The Skinner Irrigation Company • 415 Canal St. • Troy, Ohio
Take Acushnet Titleists, stir them up well with good golfers, add the better score cards these good golfers will turn in, flavor with repeat calls for more Titleists, and cook over a good hot bank book with your name on it... and you'll have the swellest-tasting piece of Profit Cake that any Pro has eaten this season. Pass YOUR plate!

Because of their remarkable performance on golf courses throughout the country, and because the Pros of America have really gotten behind it, 1938 has been a phenomenally successful season for the new Acushnet Titleist.

Pros write in by the score, praising this astonishing ball. And with their letters come orders... "Send three dozen"... "Send twelve dozen Titleists by return express"... "Our members are crazy about the Titleist. Here's my order for six dozen"... etc.

And, mind you, the Titleist is a 75¢ ball. And, mind you, too, the Titleist, like every other Acushnet Ball, is sold only through Pros. This keeps full profits right where you want them: in your shop.

Send your order for a good supply of the new Acushnet Titleists today. Put them in the hands of your better golfers and they'll sell plenty more for you. Put them in the hands of golfers who give the usual "distance" ball a brutal beating, and they'll sell plenty more for you. Reason in both cases: distance, accuracy, and stamina built into a golf ball as never before. Acushnet Process Company, New Bedford, Mass.

THE NEW ACUSHNET TITLEIST—75¢
Other Famous Acushnet Balls
Gold Ray—75¢
Green Ray—50¢

ACUSHNET TITLEIST
ALL ACUSHNET BALLS SOLD ONLY THROUGH PROS
Golf comes First

By JOHN M. BEALL

This Kansas club has plenty of social activity, but golf's demands are met first. The result — a successful club from all angles.

"Golf comes first with our members," says Harry Robb, pro-supt. at Milburn CC (Kansas City district), "then comes the social! We don't neglect the social side of our club life by any manner of means, but we are principally a playing club."

Robb can speak with authority about most everything around the club for he has been with the club since its inauguration in 1917. He assisted W. B. Langford, Chicago course architect, in laying out the course. Through these years, Robb says, the club has operated on a full schedule of activity without ever making an assessment or suffering a red figure.

This speaks well of Milburn's pay-as-you-go budget plan. The finance chairman explains that the club is not and has not experienced a deficit chiefly because it makes a practice of paying as it goes and of budgeting the club on slightly fewer members than it actually has.

In playing a round at this rolling, and generously timbered course, one is impressed with the evident care it receives. Already lavishly supplied with wooded holes, the club is contemplating a five-year tree-planting program to follow the planting of 300 trees during the past two years.

Milburn's charm lies in its variety. Two small lakes, something very rare in inland central state courses, offer water shots which add materially to the beauty and scoring tests of the layout.

Three or four of the drinking fountains over the course are iced. The water comes through coils in underground boxes, which are iced each day. Convenient rakes are placed at each trap.

Milburn has one of the few putting clocks lighted for night play in the Kansas City section. Every two weeks during the warm weather, the club conducts night putting tournaments on the lighted clock. Usually 100 or more of the 290 active members enter the contests, with perhaps as many wives, children and interested friends on the sidelines.

The putting tournaments are popular because they give the members and their families and friends some incentive to drive into the country away from the sweltering city. Prizes heighten the interest for both players and spectators. Usually the low individual score, the low twosome, the low mixed twosome, the low foursome and the low mixed foursome receive prizes.

The putting clock naturally receives the
Here's Milburn's lineup of course maintenance equipment, which includes power and hand mowers, 3 tractors, rollers and watering equipment. Harry Robb, pro-supt., is budgeted $11,000 yearly to spend on the course, and he puts $7,500 of this into employing 8 to 11 men during the playing season, plus two year-round employees.

utmost in care of fertilizing, seeding, and watering.

The club's tournament schedule calls for a men's match play tournament of 13 flights with 16 members each, practically 100% of the masculine membership, which gives a cue to the type of club Milburn is. Winners of the 13 flights have a match-play tournament to determine the club handicap champion, whose name is engraved on the handsome match play cup and who also is awarded an individual cup. It requires about two months for this tournament to be played.

Toward the end of the season when everyone has progressed about as far as he hopes to, a match play tournament is held to determine the club champion.

About one-third of the membership is made up of members' wives, who hold a 3-day medal play tournament every year in mid July. Robb is credited with developing a women's national champion. He brought Miriam Burn up through local, state, and sectional tournaments to the national championship in 1927.

He encourages his members, men and women, to enter the local and sectional tournaments, with the result that Milburn is always well represented, and high interest is maintained.

The caddie house is located about 200 yards from the clubhouse to eliminate the usual caddie house confusion around the club. A phone connects the caddie-master's office with the caddie-house. The caddie-house yard is equipped with horseshoes and a softball diamond to keep the boys occupied while waiting for calls.

Course Budget
Runs $11,000

Robb spends approximately $11,000 a year on the course. Ordinarily $7,500 is invested in labor, with the remaining $3,500 spent on water, fertilizing, seeding, trees, spraying and mower equipment.

He works from 8 to 11 men full time during the playing season and retains two men for early spring course and green overhauling.

The large clubhouse porch is a delightful place for shuffle board, popular with Milburn guests and members who seem to relish the less strenuous game after a round or two of golf, a shower, and dinner.

A portion of the club porch overlooking