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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.

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IT'S WHEELING STEEL



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 a 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.

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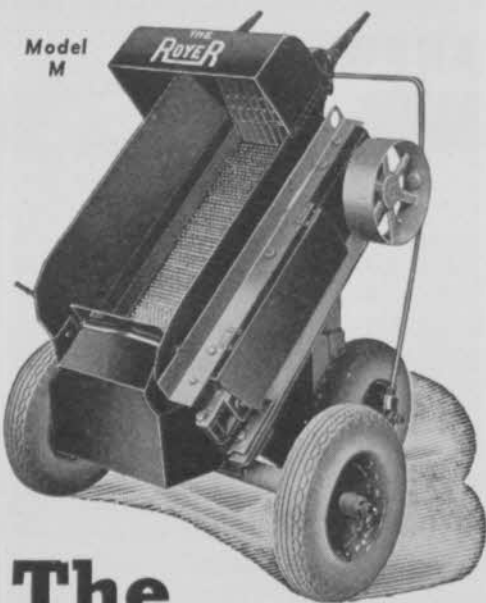
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Model
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The ROYER COMPOST MIXER

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.

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YOUR TURF PROBLEMS

... and their solution

QUESTION: 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?

ANSWER: Yes, fall is generally conceded as the logical time for major fairway fertilization in the crab grass belt (from Philadelphia and Washington across to St. Louis and Kansas City). With spring feeding, nitrogen in particular should be limited to quantities which will be taken up by the grass and utilized before crab grass starts in early summer.

Your fall growing season is long (also in other districts enumerated). With Kentucky blue grass and other permanent grasses which spread by means of rhizomes (underground stems), fall fertilization is especially beneficial because rhizomes form and develop abundantly during that cool season. Since new plants arise from rhizomes, an increase in their numbers and extent obviously increases turf density. This is one factor in crab grass control and other weeds also.

Even in more northerly districts, fall fertilization is fundamentally sound, especially where fairway irrigation is not routine practice. Fall rains provide adequate moisture so increased turf density is assured because the factors upon which maximum turf and rhizome development depend are all favorable; namely, temperature, moisture, and soil nutrients. Benefits continue during the next spring provided the proper fertilizer materials are selected and used.

The following is the basis upon which a sound fertilizer program should be built:

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



The New Material For Making Greens

Long in use abroad. All the new turf for Olympic Games in 1936, which prompted such unflinching 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.

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HUMINAL *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.

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LAWN & GREEN
CULTIVATORS
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For Greens,
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(Illus.)
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With Two
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Tractor
Model for
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\$120.00

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larly," Say
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ALL TURF NEEDS AERATION
SPIKE DISC'S slicing cuts can scarcely be seen but they open the soil keeping it healthy and permit moisture, seeds and top dressing to penetrate—results that please the golfer and do credit to the greenkeeper.
Leading clubs use spike discs frequently for good greens and fairways.
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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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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.
Send for **FREE** Ground Maintenance Manual.

**NO POLUTION!
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
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Also True Velvet Bent (94% pure),
South Mixed German Bent (90% pure),
Creeping Red Fescue (97% pure).
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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WESTPORT, CONNECTICUT

WHY IS THIS A GOOD GOLF HOLE? .. or is it?



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 Hunters' 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.

YOUR TURF WILL
BE *Better*
IF YOU USE

SCOTT'S
GOLF COURSE
SEED

ASK FOR PRICES
O. M. Scott & Sons Co.
Marysville, Ohio

ARE YOU LOOKING for GOLF BUSINESS?

You will find it in the Lytton Building, the recognized golf trade buying headquarters in the Middle West.

The combined drawing power of the following names, all tenants of the Lytton Building, have made it the outstanding ‘golf mart’ for buying pros:

The Burke Golf Co.
Golfdom
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Jackman Sportswear Co.
Professional Golfers' Assn. of America
The L. A. Young Golf Co. (Hagen)

Golf pros and those connected with golf in any way come *first* to the Lytton Building to do their shopping. You can't miss if you're located at 14 East Jackson Blvd., golf's best known address.

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NuREXFORM ARSENATE OF LEAD

.... the worm's worst enemy



● NuREXFORM, the Improved Arsenate of Lead STOPS insect damage to greens and fairways, lawns and shrubbery.

Properly applied, either as a spray or dust, NuREXFORM settles in the ground to a depth of two to three inches and when the grubs and earthworms feed on the tender roots—NuREXFORM poisons them.

NuREXFORM Lead Arsenate is the recommended lead for golf course use because of its fineness of particles, uniformity and ease of application.

WRITE FOR FOLDER ON GRUB CONTROL

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Recent and interesting

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

Hershey Company, Athletic Field, Pa.

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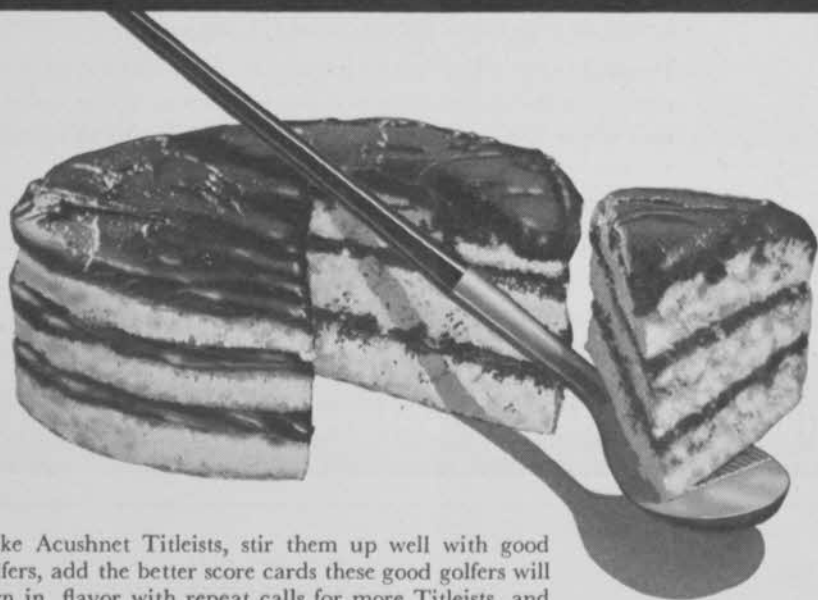
From every corner of the world, for every watering purpose, The Skinner System, in a range of equipment and scope of experience, has proven invaluable.

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

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CUT YOURSELF A PIECE OF CAKE

from this New Recipe!



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¢

THE NEW ACUSHNET TITLEIST—75¢

Other Famous Acushnet Balls

Gold Ray—75¢

Green Ray—50¢



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

Blue Ray—75¢

Pinnacle—35¢

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 Burns 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

Parke Carroll, sports editor of the Kansas City Journal-Post, and the Midwest PGA, co-operated in arranging a 10-man team match between pros and amateurs of Kansas City district, on Aug. 14. The match drew the biggest golf gallery ever seen in that section, some 4,000 fans watching the amateurs defeat the pros 6 to 14 at the Swope Park course. Members of the winning team were presented with silver tie clasps by the Journal-Post.

The pro-amateur team competitions go over in great shape everywhere they're put on. Texas pioneered in this type of competition as an annual affair.