

The International Diesel Power Unit operating a pump, providing low-cost pumping power for the owner.

The Key to Economy in the Operation of Watering Systems

ECONOMICAL POWER, so vitally essential to the success of a fairway watering system, is readily available in the International Power Unit line. These engines (gasoline and Diesel) have proved their economy compared to other forms of power on a wide variety of stationary power jobs. They range in size from 12 to more than 100 h.p. Where peak loads require more than 100 h.p., multiple in-

stallations can be made, thereby effecting savings by operating only the number of units that are needed at any one period of the day.

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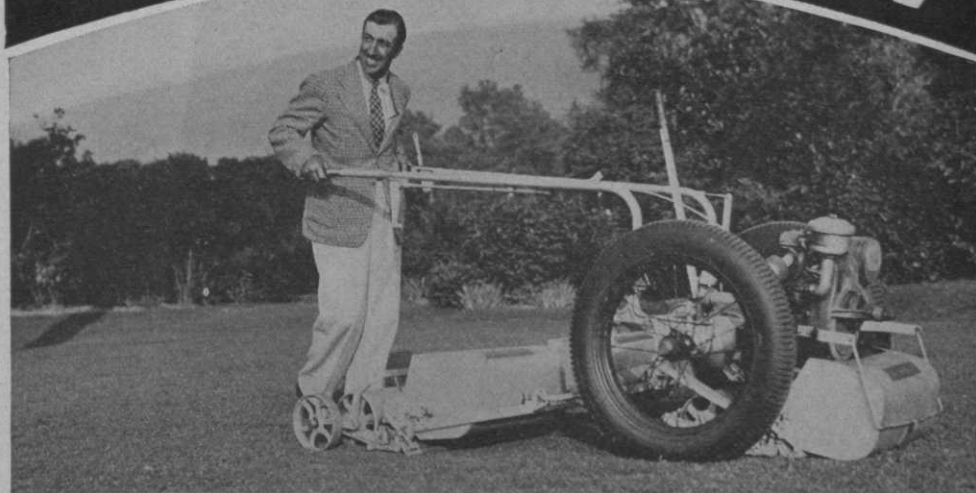
INTERNATIONAL HARVESTER COMPANY
(Incorporated)

606 So. Michigan Ave.

Chicago, Illinois

INTERNATIONAL HARVESTER

Worthington Mowers



Tony Manero in a gay mood between rounds at the Shawnee Open, a few days after winning the National Open at Baltusrol. Manero recently wrote us: "We use a Worthington Overgreen at my home course, Sedgefield Country Club, Greensboro, N. C., and our greens have a beautiful putting surface."

ELIMINATE The Objectionable Ribbon Cut

By using the Worthington Overgreen, there is no more reason for having stripes on a putting green than there is on a billiard table. The Overgreen cuts in concentric circles, assuring the player of a uniform nap, putting towards the pin from all directions.

There are over 700 Overgreens in

use at the most prominent clubs all over the country. By using the Overgreen, one man not only can mow 18 greens in approximately five labor hours where it requires 18 to 20 labor hours by hand mowing, but by using the Overgreen you can eliminate the ribbon effect on your putting greens which is objectionable to so many good golfers.

Main Office:
Stroudsburg,
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Sales Agencies
in all Principal
Cities of U.S.A.



"The Perfect Curtain of Water"

produced only by BUCKNER equipment, is one of the reasons why government specifications for sprinkling equipment read "BUCKNER or equal".

Over the past twenty-two years BUCKNER has pioneered in the introduction, or perfected the design of every important development in the irrigation field. Naturally BUCKNER sprinkling equipment and systems are the standard by which all others are judged. Always specify BUCKNER... Make reservations now for your copy of the new BUCKNER Catalogue.

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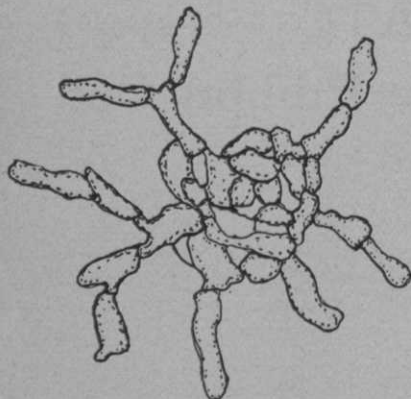
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LOS ANGELES

Know What This Is?



ANSWER: a brown patch sclerotium under the microscope. An article on this subject, by a member of the Massachusetts State College, Amherst, appeared in the June Clean-Up magazine. Another, on Dollar Spot, will appear in the August issue. To reserve copies, please write to Dolge. And remember: Diworma, Dolge product, gives you this dual action: (1) fortifies greens against brown patch—retards it if started; (2) eradicates worms. Details on request—gladly.

THE C. B. DOLGE CO.
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HIGH - SPEED, SCYTHE - ACTION BLADE CREATES SUCTION

—actually draws grass and weeds right into the path of cutter!

An exclusive feature on Whirlwind Power Mowers, covered by basic patents, is the specially designed blade which curls upward at the rear edge and creates SUCTION. By this SUCTION all grass and weeds are brought to attention and sliced cleanly at any desired height (3" to grass roots). The high speed at which cutter travels (60 cuts per second) chops them finely to form a splendid mulch and leaves a smooth, velvety lawn.

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WHIRLWIND

ORIGINAL, PATENTED, SCYTHE-ACTION
POWER MOWERS
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FIRST CAME STEEL ... THEN COP-R-LOY



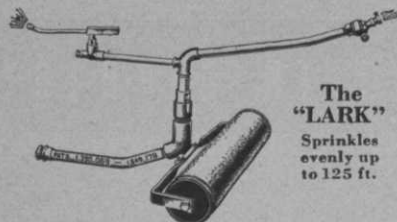
Turf as fresh as Spring, in July and August! That's the course with watered fairways. Costs so little, saves so much . . . an irrigation system for fairways and greens that can be operated by one man every evening. Such systems today are a sound investment for the future when the piping is COP-R-LOY. Green committees who would stretch out their expenditures over *more years* will find it worth while to select those leading engineers who use COP-R-LOY Pipe. (Names on request.)

Write the sole manufacturers of COP-R-LOY pipe . . .

Wheeling Steel Corporation, Wheeling, West Va.



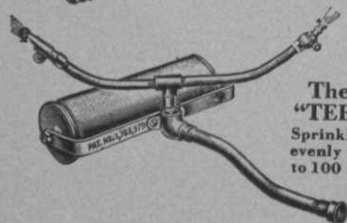
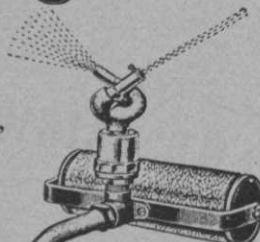
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The
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Sprinkles
evenly up
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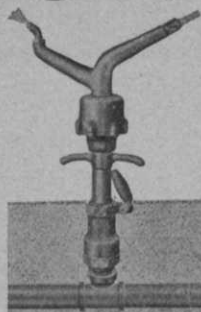
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Every sprinkler requirement can be met perfectly by some item in the complete Nelson line.

Nelson equipment is standard on golf courses throughout the country. Years of specialized sprinkler manufacturing experience insure perfect operation and long life.

Complete information on all types, either permanent or moveable, will be gladly sent on request.

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MFG. CO.
Peoria, Ill.



"Stream-Flo" sprinklers cover evenly areas 100 to 225 feet in diameter.



"Stream-Flo" Valve

GRASS SEED

of "Known Quality"

Write for new market prices on Triple A Bents-Seaside (Coos Co Strain), South German, Rhode Island, Colonial and other grasses and mixtures for fine turf.

Late Summer or early Fall
Sowing is Best

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KILLS ANTS, SOD WEB WORMS on Greens, Lawns, Gardens

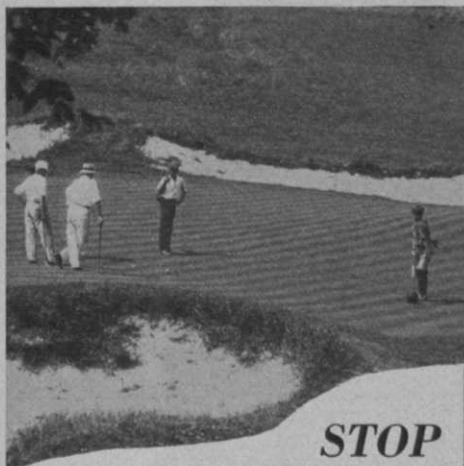


Harmless to Humans,
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Red Arrow Garden Spray effectively controls ants and sod web worms, yet will not injure the turf or affect the fertility of the soil. Red Arrow is a concentrated pyrethrum extract combined with a special soap. Simply mix with water and apply with any type spraying apparatus. Red Arrow is safe to use—harmless to humans, animals and birds—and has no poisonous or irritating fumes. Also kills many varieties of sucking and chewing insects on flowers, vegetables and fruits. Ask your supply jobber or write for complete information.

McCORMICK & CO., Inc.
BALTIMORE, MARYLAND

STANDARDIZED PYRETHRUM AND
DERRIS INSECTICIDES



STOP INSECT DAMAGE

to
GREENS, TEES AND FAIRWAYS
with

NuREXFORM
The Improved Arsenate of Lead

The damage wrought by grubs, earthworms and webworms to greens, tees and fairways, if these pests are permitted to feed unmolested on the roots of the fine textured grass, is an eyesore to the golfer and vexatious to the greenkeeper and the greens committee. And isn't it aggravating to putt on earthworm infested greens? The numerous tiny mounds—the handiwork of the earthworms—surely don't improve one's putting game.

There is no need for such conditions to exist for it is possible to protect greens, tees and fairways against the ravages of these pests with NuRexform, the Improved Arsenate of Lead.

Grasselli Arsenate of Lead is also effective for this purpose.

The Grasselli Chemical Co., Inc.



Founded 1839
Cleveland, Ohio



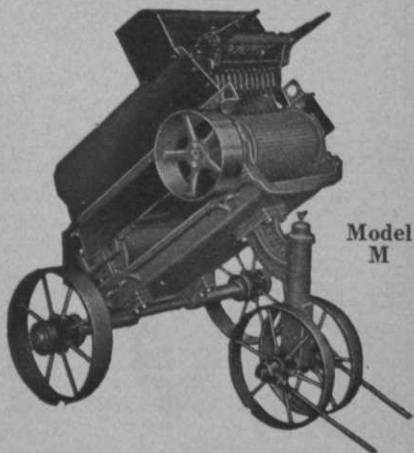
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- ... saving us the labor of four men, or about \$800 a year.
- ... and has cut our cost of preparing compost more than 75%.
- ... our Royer's sixth year and still operating like new.
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Model
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ROYERS make compost so much quicker and better that users invariably effect savings from 70% to 90% in compost preparation.

Sold thru leading
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WHICH PART OF
THIS COURSE IS
IRRIGATED?



A luxurious blanket of green, sturdy turf seemingly rolled out along the brown, hard, dry rough—of course, this fairway is watered with Skinner System Hoseless Fairway Irrigation.

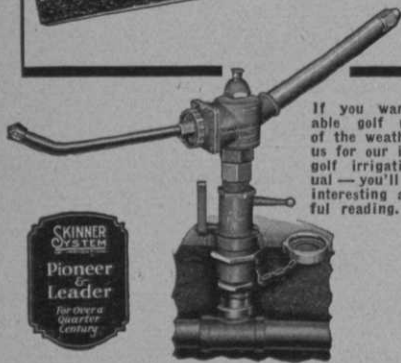
This picture was taken June 25, 1936, at Moraine Park Country Club, Dayton, and the difference is even more noticeable today.

THE SKINNER
IRRIGATION CO.
415 Canal St., Troy, O.

SKINNER
SYSTEM
OF IRRIGATION



If you want enjoyable golf regardless of the weather, write us for our illustrated golf irrigation Manual—you'll find it interesting and helpful reading.



SKINNER
SYSTEM
Pioneer
& Leader
for over
quarter
century

"RAIN AT THE TURN OF A VALVE"

PUTTING GREEN POINTS
TO NOTE AND REMEMBER!

Two-in-One Control for Fungous Diseases and Soil Vermin. Finest Brown Patch Preventative. Tremendous Covering Capacity. Super Chemical Value. Ready Mixed and Safe. Easily Applied.



About **FUNGOL**

EXCLUSIVE DOUBLE PROCESS FUNGICIDE



There is no substitute for this high grade, chemical product giving hundreds of Courses real economical protection from Large and Small Brown Patch.

The wisdom in using FUNGOL comes from its high rate of covering capacity—3500 to 7,000 square feet to the pound.

Let us explain the double feature of FUNGOL whereby it also provides extra feature of combating soil vermin, earthworms, sod webworms, cutworms, grubs, etc.—without added cost.

Ask your dealer or write direct for complete details and free testing samples of FUNGOL and VEG-E-TONIC.

McCLAIN BROTHERS Co.
CANTON, OHIO

VEG-E-TONIC

Positive and safe Putting Green grass producer Builds up dormant turf. Restores weak soil areas. High Nitrogen, Phosphoric Acid and Potash. Dissolves in water. Results certain. Economical.

TAKE A TIP FROM NATURE
SEED IN THE FALL

It's the time when new grass roots deeper, stools out to form thicker sod and gets the jump on weeds while they go into winter quarters.

So here's a combination you can't beat—Fall sowing with Scott's Seed.

Prices are advancing owing to drought and reduced harvests. Ask for prices now even though you may want later delivery.

We can also furnish Washington and Metropolitan Creeping Bent Stolons from our own nursery and the names of a host of enthusiastic customers.



Scotts • LAWN SEED
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O. M. SCOTT & SONS CO.

88 Main Street, Marysville, Ohio

SAVE DROUGHT DAMAGED GREENS

with a Wichita Compost Grinder

Golf Courses and Parks that have suffered the ravages of drought and summer heat need perfect compost and lots of it! THE WICHITA COMPOST GRINDER (Shredder and Mixer) gives it to you at the lowest cost ever heard of. In one operation it grinds, shreds and mixes any compost mixture, manure, chemicals, peat moss, small or stringy materials, sod, etc., to any degree of fineness desired. Handles wet or bulky material with ease. T. H. Riggs-Miller of Kansas City says: "I have a Wichita here at Blue Hills and in the past few weeks have ground with it 75 tons of the finest compost I've ever handled. The Wichita is a wonder." Four models and sizes take care of every need. Also investigate our new High Speed Screen. Write for illustrated folder and low factory prices.

W - W GRINDER CORP.
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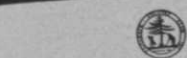


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in Saint Louis
as you do
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Enjoy an address of distinction and convenience in the Downtown District near large theatres, shops, office buildings. Two air-conditioned restaurants. Garage Service. 50% of all rooms rent for \$3.50 or less, single; \$5.00 or less, double.

LIVE AT
THE HOTEL

Kennox
in SAINT LOUIS



Port Chester, N. Y.
July 24, 1936

American Agricultural
Chemical Co.,
50 Church St.,
New York, N. Y.

Gentlemen:—

With reference to your inquiry as to my experience with Agrico Country Club Fertilizer, would state that I cannot speak too highly of this product.

I have used "Country Club" exclusively at Tamarack for the past eight years, both on fairways and putting greens, and believe the condition of the turf fully justifies my belief in this material.

From time to time, I have carried out comparative tests with other high quality fertilizers, but "Country Club" has always proved superior. Its gradual and long-lasting effects are particularly noticeable.

Very truly yours,

Thomas Dawson

Superintendent,
TAMARACK COUNTRY CLUB

BETTER TURF

THE right kind of fertilizer is vitally important. Don't take chances—do as Tamarack and many other well-known clubs do—solve the problem by using Agrico Country Club Fertilizers. Agrico contains just the right amounts of Nitrogen, Phosphorus and Potash—formulated from carefully selected plant-food materials—with just the right balance between organic and inorganic nitrogen—plus extra plant foods needed to maintain healthy, vigorous growth.

Use Agrico for your Fall fertilizing program this season and see the difference it can make. Agrico Country Club Fertilizers are sold in N. Y. Metropolitan area by Arthur D. Peterson Co., Inc., 420 Lexington Ave., New York; also sold by this Company's sales offices in principal cities.

Agrico is Manufactured Only by
THE AMERICAN AGRICULTURAL CHEMICAL CO.
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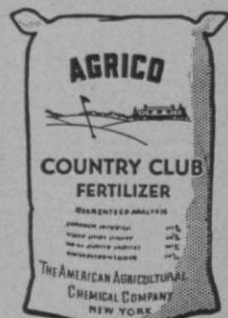


**3 GRADES
FOR 3 PURPOSES**

Agrico for Fairways
Analysis 6-8-2

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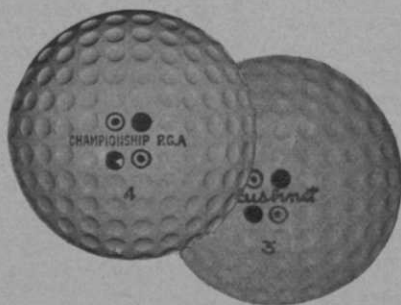


The proof of the

“PUTTING”

• Pro and Amateur alike, have emphasized by their strong preference for Acushnet the reason for this year's tremendous swing to this quality ball. Longer than most—with the toughest cover ever put on a top number golf ball—it's the finest putting ball on earth. ACUSHNET PROCESS CO. • NEW BEDFORD, MASS.

Acushnet Gold Ray . . 75c
 Acushnet Blue Ray . . 75c
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 PGA Balls at 75c and 50c
 sold to PGA members only
 Vulcanized—of course!



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3 L-O-N-G YEARS

... but greenkeepers continue to fight drought successfully, as told here in nation wide survey.

UP to the fourth week in July, despite adverse weather conditions that literally put the forced cultivation of first-class golf courses to the test of fire, greenkeepers have performed a job of maintaining playing standards that should arouse the admiration of the golfing public. Although the greenkeepers' work to date this season generally has been of such success as to identify them as miracle men, even the best of them are keeping their fingers crossed because the tough part is still to come.

However, a nation-wide survey of representative territories recently made by GOLFDOM and the judgment of the nation's foremost authority on turf culture, Dr. John Monteith, Jr., of the USGA Green Section, give license for the verdict on the greenkeepers' current display of ability.

Tournament conditions this year have given an unusually good picture of regular maintenance practice. At Baltusrol, the club officials, Major Jones, general manager, and Charles Chase, greenkeeper, lived up to the early avowed intention of having the course for the National Open just as it would be for member play. Kicks from the star contestants were at a minimum and a volume of kind words were said about the course being a fine test of real golf as it is played. At the Davenport (Ia.) CC during the Western Open, greens were in magnificent shape according to the players. The splendid putting done during the tournament attested to the greens condition. Tees, too often in just

fair shape even at many good clubs, were smooth and of the right length and consistency. Fairways were burned except in the valleys, for Davenport has one of those difficult hill-and-valley problems to handle before it can install fairway watering.

At Happy Hollow, Omaha, where the Western Amateur was held during weather conditions that would fry a hunk of pig iron, players and Western Golf Association officials were loud in their praise of the course. Oscar Johnson, Happy Hollow greenkeeper, relates that the excellent shape of the course was no accident. Johnson had the usual amount of hard work and worry prior to putting on a successful tournament. Says he, "The summer around here has been the driest I have ever seen. Our water bill has been pretty high. Notwithstanding, I'm certain my greens are in the best condition they've ever been. I've been watching against brown-patch and sod webworm and haven't had any trouble worth mentioning from these sources.

"I attribute not a small part of the way our greens have developed and held up to our practice of spiking a great deal

of peat moss into them. Our greens have a tendency to harden, due to hot weather and persistent hot winds. Conditioning with peat moss helps these greens to hold the right amount of water, and what is almost equal in making the greenkeeper's mind at peace, the greens in which peat moss has been introduced hold the approach shots of players."

Better Conditions Mean More Members

Around Detroit, where the golf and industrial comeback has been great, Herb Shave, greenkeeper at Oakland Hills where the 1937 National Open will be played, highlights the conditions he and other superintendents are experiencing. "Maintenance standards are higher this year," says Shave, "because clubs are realizing that to fill memberships the courses must be kept in best possible condition. Wages have increased and more men are being employed. There has been considerable new equipment bought this year, replacing worn-out equipment. This, of course, has had its effect in improving course condition without correspondingly increasing the expense of maintenance.

"Fairway watering equipment, hoseless and hose, has been having a good selling season. This year's fertilizer sales will be far above average. All these things point to a marked comeback.

"Early season weather conditions were none too good. It was wet. Nights were cold. Greens and fairways were so tough it was like trying to cut wire. Greens did not get much color until June. From the start of June until July 4th we had great weather for growing grass in the Detroit territory, but after July 4th we were right in the heart of tropical desert weather.

"The way the greenkeepers in this district have held their greens during the hot weather has been remarkable. This has required judicious watering and care in cutting, and all the advantages of correct construction and luck that one needs in this business, but doesn't always get. We have had lots of clover in fairways this year, but I guess this condition is widespread. The heavy snow last winter seems to be one reason for the clover crop we have this summer.

"Brown-patch has not been troublesome. Weather conditions have helped, and every one of us with budgets that will permit are playing the safe game of 'an ounce of prevention is worth a pound of cure.'

"Budgets this year generally are higher. Imperative need of equipment replacement, fertilizer, higher wages and the knowledge that a real thrifty budget makes provision for possible emergencies, all have figured in the budget increases."

Somewhere East of Suez In Torrid St. Louis District

It is somewhere east of Suez where the best is like the worst, according to Kipling's dope, and the greenkeepers put St. Louis in that location regardless of what the geographies show.

Robert Foulis, spokesman for St. Louis district greenkeepers, considers that the job generally done by the men in that territory this year represents one of the finest achievements of course maintenance. In addition to having a bad drought year to date, St. Louis has suffered from terrific heat, temperatures of above 100 being registered for 15 consecutive days. Since the middle of April in that territory, they have been watering greens, approaches, and tees. There have been very little fungus or insect troubles up to mid-July. Greens, for the most part, are in excellent condition.

Fairways, reports Foulis, are badly burned and will require heavy seeding and fertilizing this fall. He remarks that fairway watering is a problem that the St. Louis sector will have to meet. He has 13 fairways at the St. Louis CC irrigated. One of these fairways has had watering for five years. All of these fairways (which are under Foulis' supervision) have come through the hot weather and drought in good condition. Budgets are normal.

Is Greenkeeping a Science or an Art?

Howard Farrant, greenkeeper at The Country Club, Brookline, Mass., in giving a summary of outstanding conditions in New England, touches on a point that for the first time, so far as we can recall, is located as a source of greenkeepers' troubles. The point is that working the men under forced draft, as many greenkeepers have been compelled to do on account of depression budgets, has shown up in the work done. This matter has been mentioned vaguely in the remarks of a number of greenkeepers interviewed by GOLFDOM and is worth a story all by itself. Just how much of greenkeeping is a science and how much of it an art, probably has more bearing on the labor situation than most of us in the course maintenance field realized. Farrant's com-