



INVERNESS

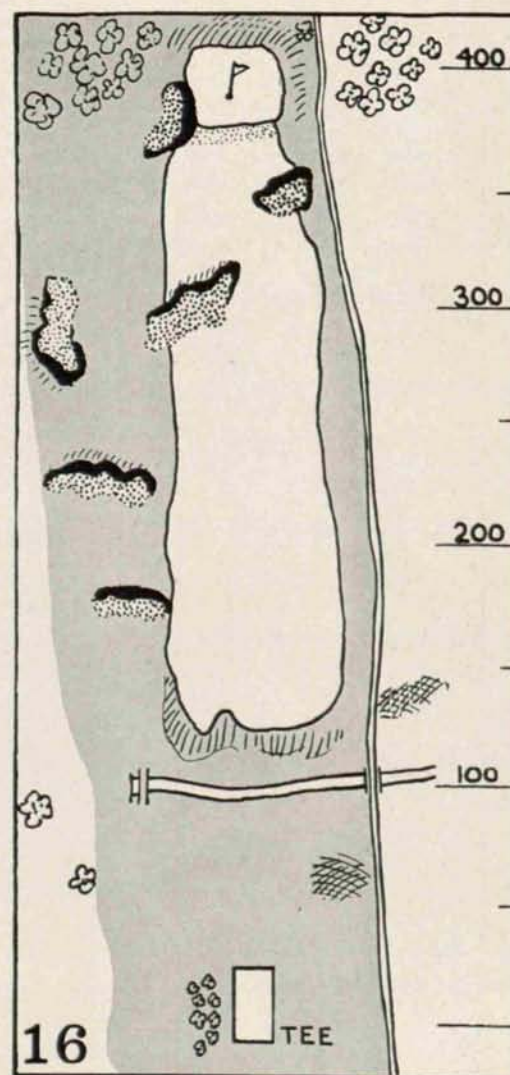
Hole No. 16

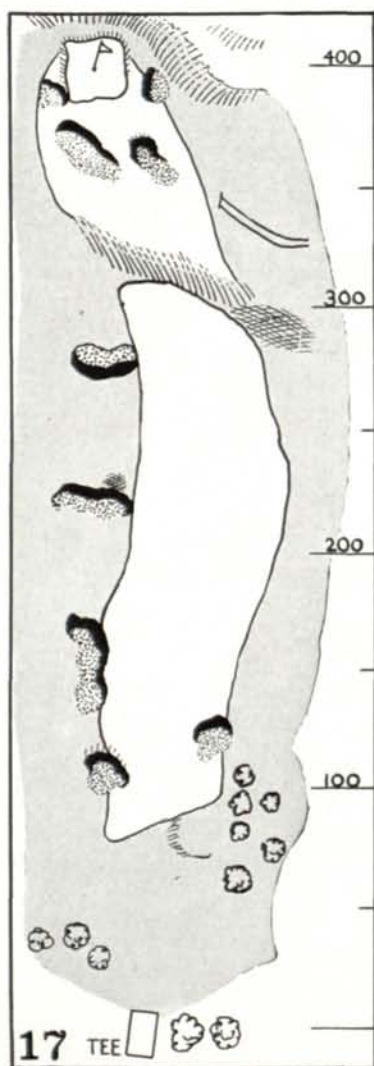
398 YARDS — PAR 4

A very interesting natural golf hole, and an excellent test of a player's steadiness. Its par four while seemingly simple, is often turned into a five or six by even fine players.

As an extra contribution to the cause, the Green Committee has elected to narrow the fairway somewhat about 230 yards from the hole, and this narrowing is to be effected by allowing the rough to protrude some thirty or forty feet into the natural fairway.

A topped tee shot is sure tragedy. Recently the hole has been rebuilt around the green and its beautiful natural situation, surrounded by trees as a background, will delight our guests and cause the putting green of the sixteenth hole to long linger in their memories.





INVERNESS

Hole No. 17

404 YARDS — PAR 4

This golf hole has an especially interesting history, the scene of Harry Vardon's "last great chance" in the 1920 Open. When played from the longest tee, located back amid the trees, the hole is slightly dogleg to the left. A long straight shot to the proper spot brings the green into view for a carefully played second, which if perfectly carried off, will reward the player with an opportunity to make a birdie.

This green is carefully trapped in front as well as both sides of the green, which makes it essential to carry and hold it. It is considered one of the most interesting holes from the approach standpoint in the entire course.



INVERNESS

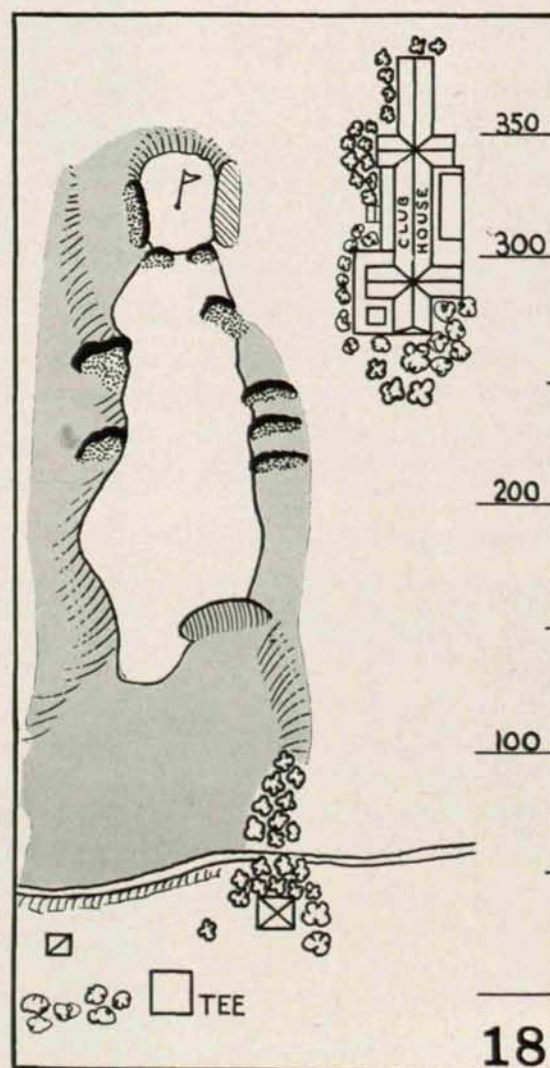
Hole No. 18

325 YARDS — PAR 4

A truly inspirational view greets the eye from the eighteenth tee. This hole, although only 325 yards, is superbly classy every inch of the way, and its several traps defend its par as valiantly as any golf hole anywhere. No. 18 is recognized as one of the most beautiful and most dramatic finishing holes on the American continent.

A straight long tee shot and a perfectly played second pitch can bring an easy par, but the second must be just right, straight out, not too far nor too short, for the green is well guarded and completely trapped on all sides.

The putting surface is a delight, but on account of its undulating surface and perhaps its proximity to the club house and the constant gallery, many a good putt is missed that spells success or ruin for the players.



N. A. G. A. Holds Summer Meeting

By COLONEL JOHN MORLEY

THE Summer meeting of the Executive Committee of the National Association of Greenkeepers of America was held Monday, June 22, at the Bellevue-Stratford Hotel, Philadelphia, Pa. All of the committee were present, with the exception of Secretary John Quail and George Davies of Louisville, Ky. Both of these members could not attend owing to having important tournaments on hand.

The meeting will go down in history from a progressive and constructive standpoint, as one of the best ever held, which demonstrates that the executive committee is wide awake to further progress in the interest of greenkeeping.

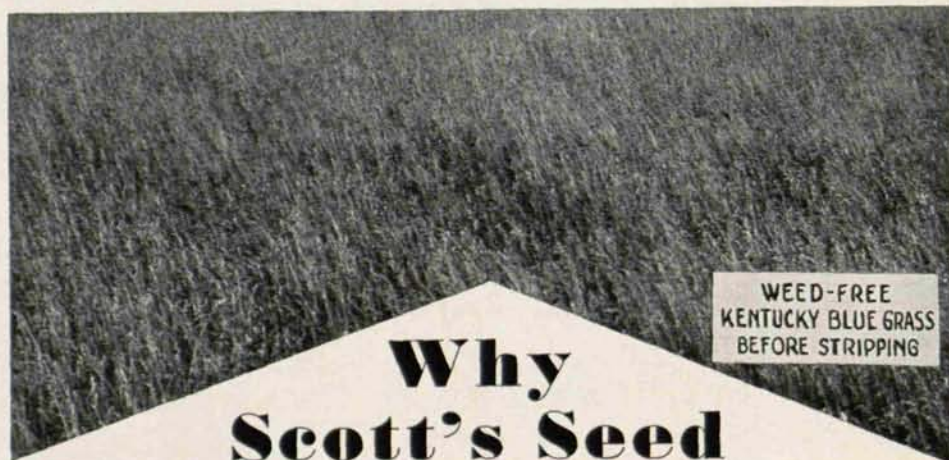
The financial report which was presented by Walter E. Knowles, chairman of committee of Finance showed that the association was in a flourishing condition both as to finance as well as to membership, with a balance in all funds amounting to over \$14,000.00.

Owing to the generosity of Robert E. Power, President of THE NATIONAL GREENKEEPER, in giving to the association the sum of two dollars on every member in good standing, to be applied to the Benevolent fund, we found that it was possible to give to each member in good standing \$250.00 worth of life insurance. We have a few members in arrears for non-payment of dues. We trust

that they will appreciate this insurance by remitting their dues more promptly.

EDITORIAL COUNCIL APPOINTED

DUE to the fact that the association having previously decided to accept THE NATIONAL GREENKEEPER as its official organ, it was deemed advisable to have an Editorial Council. The following members were appointed to serve on this important



**Why
Scott's Seed
Is Always Pure**

WEED-FREE
KENTUCKY BLUE GRASS
BEFORE STRIPPING

Even the most thorough recleaning methods will not remove the last single weed seed. So careful selection is highly important. Above is part of a beautiful field of Kentucky Blue Grass, eight miles from Marysville, before stripped by our own men.

Whether Scott Seeds come from eight or eight thousand miles, the same vigilance in selection, the same insistence on purity is zealously maintained.

Pure seed is most economical. Less is required per acre, and the problem of weed control on the golf course is inexpensively solved. Scott's Seed takes you by the shortest cut to thick, velvety, weed-free turf, as 1,200 golf clubs can testify.

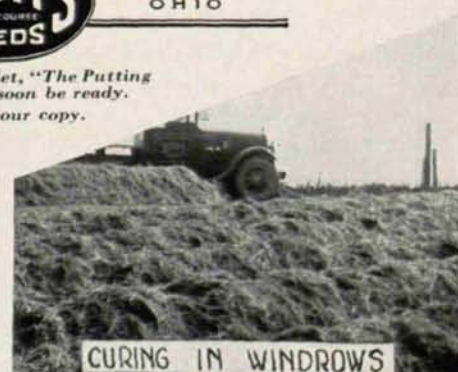
Our prices are very much lower this Fall. Now—thicken fairways or stretch out the course.

Write for prices.

When you install your fairway irrigation system—sow Scott's Seed



Our latest booklet, "The Putting Green," will soon be ready.
Ask for your copy.



council, namely, Alex Binnie, Chairman, Shoreacres Golf Club, Lake Bluff, Ill.; M. E. Farnham, Philadelphia Country Club, W. Conshohocken, Pa.; Alfred E. Lundstrom, Crescent Athletic Club, Huntington, Long Island, N. Y.; Frank Ermer, Ridgewood Golf Club, Brooklyn Hts., Cleveland, O.; Walter C. Reed, Westwood Country Club, Clayton, Mo.

Another important step endorsed by the executive committee was to cooperate with Club Managers and The Professional Golf Association. Our organization will be represented by Vice President John Macgregor, Chicago Golf Club, Wheaton, Ill., and Vice President Robert J. Hayes, Pelham Country Club, Pelham Manor, N. Y.

The executive committee by unanimous vote endorsed the action of President H. H. Ramsey, U. S. G. A., by appointing greenkeepers on the advisory committee of the Green section.

The following telegram was ordered sent to Ganson Depew, Chairman Green Section, U. S. G. A.: "The Executive Committee of The National Association of Greenkeepers of America, in session at The Bellevue-Stratford Hotel, Philadelphia, Monday, June 22, highly endorses the action of President Ramsey and yourself in appointing greenkeepers on the Advisory Committee of the Green Section, and pledges our loyal cooperation."

DISTRICT ASSOCIATIONS WILL MEET IN NEW YORK

ANOTHER subject of great importance which was approved by the executive board, was to sponsor the calling of a meeting of all district associations to meet at the same time and place that the National will meet, commencing the week of January 16, 1932, at Hotel Pennsylvania, New York City. It was decided to ask each district association to send three representatives, the object being to promote a more universal and greater cooperation between district associations and to devise ways and means to assist in the organization of district associations not at present organized, and to transact any other matters that may be brought before the meeting. This gathering of districts will be purely a district affair. The National will not have any representation for the reason we deal only direct with individual members of our association, for we believe in home rule for district associations.

Immediately after our deliberations were over, we were taken in charge by M. E. Farnham, Secre-



The Economy Sprinkler, complete with Quill, Sprinkler Head and Quick-Coupling Adjustable-Opening Valve gives direct, positive and instantaneous control of the water flow as a twist of the wrist brings full pressure instantly.

DUSTLESS fairways, velvety turf and bright, fresh greens, can result only from correct water control. Grounds committees and greenkeepers are learning that they can secure this and still keep peace with the finance committee by installing Economy Sprinklers.

There's a type of Economy equipment to meet any requirement of your terrain for golf links or country estate. Already these efficient sprinklers are in use on almost half the golf courses in the United States and Canada. They are strong, rugged and simple to operate.

Economy Snap Valve



One of our agents is near you—if you don't know him, write to us for his name and address. He will tell you just which type of sprinkler equipment will best meet your particular needs.



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tary of The Philadelphia Association of Golf Course Superintendents, and were escorted to inspect a number of the leading golf courses around Philadelphia, the first stopping place being the course of our host, Mr. Farnham, the Philadelphia Country Club. This club contains some of the most prominent and wealthy citizens of Philadelphia.

We were next taken to the Merion Cricket Club, known nationally as Joe Valentine's course. Here we were able to see some of the best putting greens in America, composed of pure velvet bent. Our friend Joe has a wonderful nursery composed mostly of velvet bent.

After visiting a few other courses we arrived at last to the end of our journey, the home course of our genial host, Tom Dougherty, and one of the oldest courses in Philadelphia District, Springhaven Country Club, Wallingford, Pa.

After inspecting the course that has stood the test of many summers, we were invited to the club house, where an elaborate dinner awaited us. Having done justice to the dinner, the program of the evening commenced with Tom Dougherty acting as toastmaster. The President, Dr. Willis Mangus, of Springhaven Country Club, and Mr. John T. Collins, Chairman of the Green Committee, extended the hospitality of their club in a few well chosen words. The fine tribute paid by the President and Chairman of Springhaven Country Club to their greenkeeper, Tom Dougherty, was one that will long be remembered by all those fortunate to have been present upon this occasion.

FARNHAM CONDUCTS QUESTION BOX

THIS association outside of its social features, lays a good deal of stress along educational lines. During the evening they conducted a question box similar to the one conducted by Professor Dickinson at Columbus during our last educational conference. The questions presented were very important, and were ably handled by Mr. M. E. Farnham.

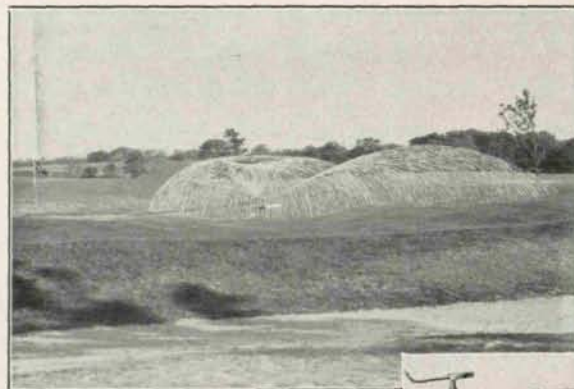
The questions asked of Dr. Horsfall of the American Cyanamid Co., and Wendell P. Miller were very interesting and ably answered. Your President was called upon to address the meeting, and I trust that my remarks were well received. Fred A. Burkhardt, Chairman of the golf show, and treasurer of our association was next introduced and was warmly received, and gave an interesting talk in Fred's characteristic way.

Time would not allow hearing remarks from all members of the executive committee, but all were introduced to the members of the Philadelphia district. Among those present were:

James Bolton, Berkshire C. C., Reading, Pa.; A. G. Bryce, Aronimink G. C., Newtown Square, Pa.; Dan Carlo, Torresdale C. C., Torresdale, Philadelphia, Pa.; Wilbert Carney, Manufacturers' C. C., Oreland, Pa.; William Carney, Manufacturers' C. C., Oreland, Pa.; James DeFelice, Tredyffrin C. C., Paoli, Pa.; Thos. E. Dougherty, The Springhaven Club, Wallingford, Pa.; M. E. Farnham, Philadelphia Country Club, Bala, Pa.; John H. Garis, Doylestown C. C., Doylestown, Pa.; Joseph Kelly, Old York Road C. C., Jenkintown, Pa.; G. R. Kerns, Riverton C. C., Riverton, N. J.; R. C. Lane, Bala Golf Club, Bala, Pa.; Eugene MacFarland, Marble Hall Links, Barren Hill, Pa.; Benjamin Mantell, Gulph Mills Golf C., Bridgeport, Pa.; Robert Pollock, Llanerch C. C., Llanerch, Pa.; Joseph Ryan, Rolling Green G. C., Media, Pa.

A. W. Strachan, Paxon Hollow G. C., Media, Pa.; J. S. Tagnan, Ashbourne C. C., Elkins Park, Pa.; Joseph Valentine, Merion Cricket C., Haverford, Pa.; Thos. Young, White-marsh C. C., Chestnut Hill, Philadelphia, Pa.; E. T. Young,

(Concluded on page 34)



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■ Whatever the pressure on your course, the LARK will make the most economical use of the water supply.

Here is a carefully engineered sprinkler, made of enduring bronze, and designed to cover areas up to 150 feet in diameter. The LARK spreads the water gently, giving the turf a thorough drenching to the deepest roots.

Never wastes water because it covers the entire circle evenly at all pressures, even in a strong wind. "Better than rain."

Used by greenkeepers in the British Isles, Australia, Canada, and in every section of the U. S. Send for a trial sprinkler.

Price, \$15.00 in the U. S. (Slightly higher in Canada and abroad.) There is no time to waste. Try the LARK now!

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A Real Foundation Fertilizer for Golf Courses

This new ORGANIC Plant Food has been developed by plantsmen for the specific purpose of feeding grasses or plants low at the roots, promoting, as well as, inducing deep long root-action, thereby, building a thick sod and consequently a very dense growth. In general its action is similar to that of rotted cow-manure. It is not a by-product turned into a stimulant, but developed to produce sturdy growth, reducing up-keep costs to a minimum.

It does not contain any filler (is all pure Plant Food).

It saves on the quantity applied.

It is a one-application-a-year Plant Food as it lasts from twelve to sixteen months.

It does not burn, and can be applied at any time under all conditions.

Being organic, results are the same on all soils. Complete information may be had by writing to the manufacturers,

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LAWN and GREEN CULTIVATORS

Cut Shows Hand Size for Golf Greens, Lawns, Parks, Athletic Fields, Etc.



Also Made in 3-Section Tractor and Horse-Drawn Models.

Spike discs cultivate and aerate in one operation. Perforated surfaces retain moisture while seeds and fertilizer are not blown or washed away. Narrow, tempered alloy points do not push back nor harden surrounding soil as do round or square spikes.

Made also in three-section tractor and horse-drawn models.

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(Made by WILDER-STRONG CO., Monroe, Mich.)

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AL HACKBARTH
W. C. Granow Private Course,
Lake Geneva, Wis.

GEORGE O'NEIL
Lincoln Fields Golf Club, Crete,
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JACK DARAY
White Pines Country Club,
Bensonville, Illinois.

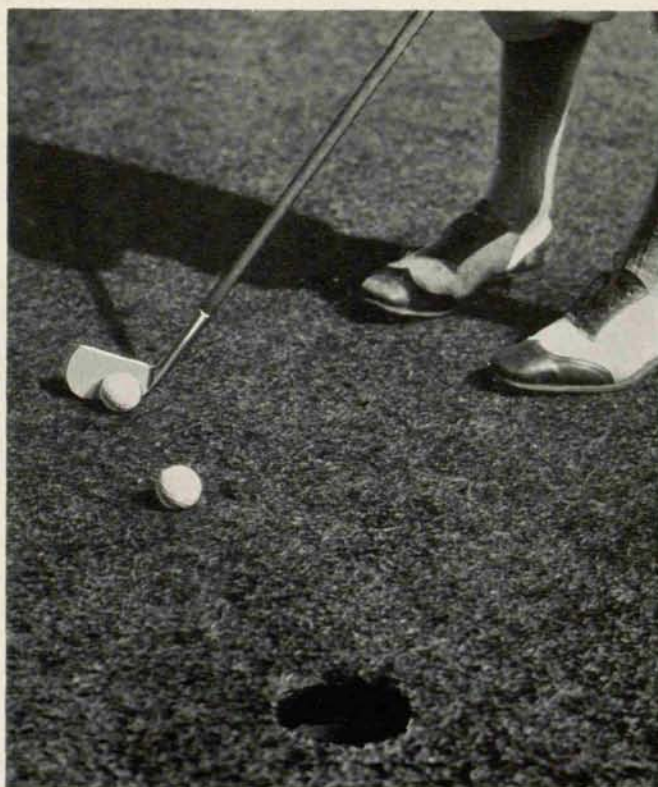
Hundreds of landscape architects, golf and country clubs, greenkeepers, parks, athletic fields, estates, homes, etc., utilize *Illinois Grass Co.'s True Washington Strain Creeping Bent* in solid turf form. Furnished in rolls ready to lay down like a carpet. Our solid turf has the reputation of being extremely hardy and uniform in texture. It is mowed with a putting green mower and is hand-weeded at our nurseries. Guaranteed to grow vigorously into rich, velvety greens if properly cared for. Our scientific nursery methods of preparation and growth are unexcelled. Also sold in sicon form, packed 250 square feet to the bag, same high quality as the turf.

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Barbak 211 is the safe, economical, labor-saving way of insuring velvety greens, free from deadly Brown Patch. And it's so easy to apply. It doesn't cake in the can. It can be watered in or may be applied with your top dressing. In neither case will it burn the turf.

As a preventive or as a cure for Brown Patch, it not only checks the fungus growth immediately, but also quickly brings back a normal stand of turf.

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TURF DISINFECTANT



GREENKEEPING— TODAY *and* TOMORROW

By PROFESSOR LAWRENCE S. DICKINSON

Assistant Professor of Horticulture, Massachusetts State College;
Professor in charge of Greenkeepers' School, Massachusetts State
College; Honorary Member of the National Association of Greenkeepers
of America.

CHAPTER VI—THE INFLUENCE OF SALESMEN, PROFESSIONALS, AND LOW HANDICAP MEMBERS ON THE COST AND RESULTS OF GOLF COURSE MAINTENANCE

IF A POLL were taken of the golfers in this country to find out what they considered as factors influencing the cost and result of turf maintenance, it is quite certain that a very large majority would answer something like this: Weather, rain, sunshine, dry spells, and the amount of play. Four-fifths of the answer would be weather.

They are correct, but not to the extent that weather is four-fifths or even one-fifth influential in affecting the cost and result of maintenance. Under modern greenkeeping methods, I venture to say the weather affects the green fees, or revenue, more than the cost of maintenance, and naturally if fewer rounds are played because of inclement weather the greater the cost of a single round will be on a stipulated budget. The number of rounds of play, however, has a decided influence and must not be overlooked.

To the weather, and amount of play, a few golfers will add the greenkeeper and the use of machinery. These are the limits of accepted and recognized influences. Of these the greenkeeper is the most important. There are other influences that greatly affect the cost and results, but are seldom recognized and only occasionally accepted by the golfer. Greenkeepers know them, but the chairmen as a rule fail to accept them and if they do, give them comparatively little value.

"The 'dub' is charged with physical damage to the course, because 'dubs' are numerous, meek, and uncertain in their play. Of course, physical damage, as divot taking, does affect

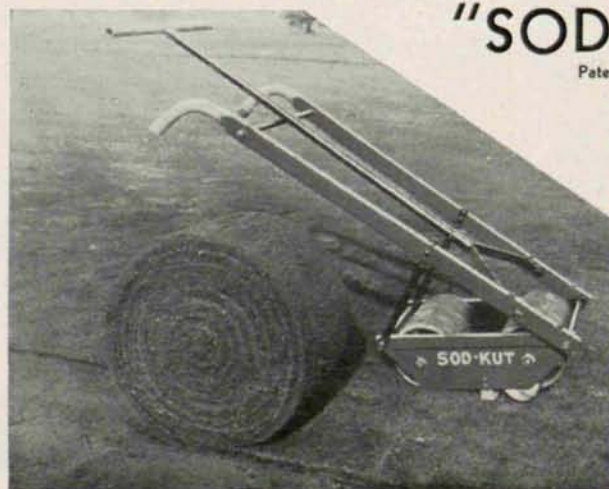
the cost and result, but to start an argument I'll say that one low handicap member exerts more influence on the cost than twenty "dubs;" one salesman more than fifty "dubs," and one professional more than seventy-five "dubs."

Don't misunderstand the statement and interpret it to say, "does more damage" than so many "dubs." The influence is just as great for lower cost and higher standards as it is for greater costs. In fact much more so, for the majority of low handicap members and professionals are an asset to the game of golf.

It is doubtful that they realize how strong their influence is, or how powerful it can be. They are neither spectacular nor unduly prominent, and they go about their play or work without fuss or poor sportsmanship, setting a splendid example which forms the backbone of public opinion.

It is the setting of good examples that lowers the cost of equal standard maintenance. "Bobby" Jones, by his superb conduct, has exerted a great influence toward lower maintenance costs. In their zeal to copy (as far as possible) the great player, thousands of golfers have adopted his thoughtful conduct and tolerant attitude. Try to realize the resultant saving in maintenance costs. Unfortunately it cannot be measured.

On the other hand, golf clubs in the vicinity of the town where a recent national championship was held, suffered much damage to their teeing grounds, because players tried to use the lifted turf tee. They had seen several flashy players use such a tee in the championships. Among the smaller clubs a turf tak-



"SOD-KUT" a hand-power sod cutter Patent Pending designed for greenkeepers

Solves the greenkeeper's troubles. Produces sod of absolutely uniform thickness and square even edges, insuring solid, tight butting, with consequent quick knitting and firm, smooth relays. Cuts a strip 13½" wide, any length and any depth from ¼" to 2¼". No horses or tractors used; two men operate it, easily cutting 15,000 sq. ft. of sod a day. Weighs less than 100 lbs. and uses no weights.



Invaluable for removing infections in greens, remodeling of tees and installing sprinkling systems. Can be rolled about with absolutely no injury to greens. Meets the exacting requirements of greenkeepers for a simple, trouble-proof, convenient and ACCURATE tool. Write for full information. Some territory still open and available for selling agents.

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ing, careless, "smart aleck" low handicap member has a following of hero worshipping turf-taking individuals. Do they influence the cost and standard of maintenance? Most certainly.

LOW HANDICAP PLAYERS OFTEN "CRAB"

Low handicap players have among their membership a much greater per cent of "crabs" than the medium handicappers, average players or "dubs." They must have an alibi for each poorly played stroke and the turf and greenkeeper are almost always at fault. Again they have a following of lesser "crabs." Crabbing lowers the club's morale, which naturally influences the costs and results.

Is it the "dub" or average player as an individual, that does the most damage to the turf, traps, or bunkers? Neither! They dare not, for fear of being bawled out. They will top, slice, hook, and cut their ball rather than be bawled out. But no one, even the professional, dares to bawl out the low handicap man.

A past national champion told the writer that he thought the low handicap members did more damage to the course and were worse "crabs" than the "dubs," or average players. Certainly the example set by the low handicap (10 or under) players, is followed closely by their friends and satellites.

PROFESSIONALS CAN INFLUENCE COSTS

PROFESSIONALS can influence the cost and result of maintenance directly or indirectly. They are the "man of authority" about the course, in closer touch with all members than anyone about the club. They are particularly friendly with the low handicap member, and sincerely interested in the "dub," the two most important members to feel an influence. Thus by example, the professional is an indirect influence. Directly he can save the maintenance budget and raise the standard by working the greenkeeper, informing him of trouble to the

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IRRIGATE YOUR FAIRWAYS THIS SUMMER

Remember, it is the way you irrigate them that counts. Water properly applied will carry your course through the driest season, and, as you know, a well-kept course is always a popular course. Keep your fairways in June condition the season through with

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We offer the true Cocoos Bent, the finest of the *Agrostis maritima* grasses — over 99% pure.

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This is a comparatively new strain of *Agrostis capillaris* that produces turf of the same beautiful color and texture as Velvet Bent. The seed we offer has been remachined for the elimination of weed seeds and has a purity of over 99%. It has been an outstanding plot at our trial grounds.

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Special Bent Formulas for Putting Greens and Fairways

Remember—All our seeds are of the highest quality, obtained direct from the most reliable sources of supply and are botanically true to name. All seeds are new and are cleaned and re-cleaned until they are brought up to the highest possible state of purity and germination, special care being given to the elimination of weed seeds.

Write for our Special Prices to Golf Clubs, on your requirements of grass seeds for Fall Work.

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Helps Keep Greens and Fairways Trim

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The Peerless is the only sharpener that replaces dull cutting units with keen razor-like edges. Sharpens all makes of power, horse and hand mowers. A great time and money saver.

greens, water lines, drains or any physical factor in course maintenance.

The greenkeeper in his line of duty cannot cover the course as completely or with the same viewpoint as the professional does in playing around.

The professional has another direct influence that he can exert if he will. That is, the schooling of the members in the value of their help in the course maintenance. A suggestion from the professional can have much more effect than from the greenkeeper.

Encouragement from the professional will cause the greenkeeper to strive to improve the standard for the greenkeeper knows how much assistance a professional can be. Professionals can also be very costly because of their influence in bringing about course alterations and new construction that add greatly to the maintenance cost without an equivalent increase in playing conditions.

The salesman who thoroughly understands soils and fertilizers; or who knows grass seeds from their source to the consumer and also knows the grasses and their habits of growth; or who *knows* about the mower, or fungicide, and is absolutely sincere and honest, is a true friend to the greenkeeper and golf course maintenance. Such a salesman's influence can save a club money and trouble.

The salesman who parrots his sales talk, uses high pressure methods, misrepresents the opinions of experts, or is a "depression salesman" exerts a very costly influence on the club's maintenance. The only stop to such influence is the keenness of the greenkeeper, for the chairman is very frequently gullible enough to be sold. The modern greenkeeper is capable of putting such salesmen on the defensive at the start of the sales talk, and we find their influence lessening.

Think of the influence these salesmen have, if not curbed. Costly fertilizers that could be duplicated at a lower price.

INSURE TRUE GREENS



**HEALTHY
GRASS
with
DIWORMA**

Just sprinkle DIWORMA on your greens, rake up the dead worms and the job is done. No washing in. No rinsing. And best of all, no burned grass or dead worms left in the ground to attract ants.

It's time to start planning for the Fall eradication and *now* is the time to place your order. Remember! If Diworma does not do all that we claim, we make no charge for the quantity used in testing.

Write today for full information on prices, our money saving deals and our free test offer.

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Write distributors direct for prices

Wrong fertilizer for the turf or more fertilizer than can possibly be used by the grass; all of which if repeated would be accumulative in their influence upon the costs and results.

The forcing of the purchase of good mowing equipment that is *not adapted* to the particular course, causes additional cost. One could go through all the equipment and supplies and cite many examples of the costly effect of "good salesmanship."

This article has attempted to bring to the attention of its readers the less obvious influences upon the costs and results of golf turf maintenance. It does not infer that all low handicap members and professionals exert costly influences, neither does it make all salesmen crooked or even bent (seedsmen). It is the fine influences of the majority of these individuals that helps to keep the cost of maintenance within reason. Yet when one of these fellows does get loose, how he can run up the cost.

Next month—Chapter VII—The problem of factory alterations.

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