TIMELY TURF TIPS

THATCHING OF CREEPING BENT

Densely turfed greens are advantageous for play and maintenance. But heavily matted grass is bad from both angles.

When properly cut, thick grass provides a true putting surface. It enables players to hold a pitched ball without the necessity for overwatering—a vicious practice responsible for much turf damage. By minimizing surface evaporation in hot weather, dense turf prevents formation of hard surfaces. On hot days, this skin-like crust forms on thinly turfed greens before midday, even though watered the night before. Instead of more water as demanded by players, denser turf is the answer. That thick grass simplifies clover and weed control is an accepted fact.

Thickly matted greens foot-mark badly and are prone to scuff around the cup. Accurate putting becomes impossible, especially towards the close of a heavy day's play. The long stringy stems present in matted greens cause the ball to hop and deflect it from the cup.

Matted grass is a distinct maintenance menace. Top-dressing fails to make contact with soil below. The surface to a variable depth consists of alternate layers of soil and buried stems and leaves. Such greens become "hide-bound", because the surface is impervious to water. In dry years soil becomes bone dry and in wet seasons the matted surface water-logs quickly. Fermentation of buried stems and leaves generates heat and loss of grass ensues.

Surplus grass is best removed in early spring before growth starts and prior to the first top-dressing. Alternate cross-raking with a thin-bladed sharp rake (or Del Monte rake) followed by close cutting is the proper procedure. Later on in hot weather severe raking is too drastic and dangerous.

Tell us about your Turf Problems. Write to:

Turf Service Bureau
THE SEWERAGE COMMISSION
Milwaukee Wisconsin

MILORGANITE for BETTER TURF

Samuel Pepys Goes to the Show

By
William D. Richardson

Bill Richardson, veteran golf writer and Associate Editor of Golfdom, presents plaque to Col. John Morley, 73-year-old president emeritus of the GSA, at the greenskeepers annual banquet. Col. Morley, greenkeeper at the Youngstown (Ohio) CC, was founder of the association and was its first president.

Tuesday, Feb. 6.—Off to the New Yorker where I met Charley (Good Time) Burns of the Good Park G&CC in Akron, Ohio, best public relations counsel we ever met anywhere. . . . With him to view the exhibits, more than thirty of them, all interesting—a fine tribute to the work done by that young Adonis, Don Boyd of the Portage CC, Akron. . . . What is this? . . . Akron week in New York? . . .

Talked with Ed Cale of Canoe Brook, in Summit, N. J., who has arranged for the speaking talent which reads like who's who in turf wisdom. . . . Read two interesting posters, the work of Battling Burns. . . . One showed that if all the golf holes on America's courses were placed in a line they would provide an 8,000 mile highway capable of accommodating sixteen cars abreast—a highway stretching from New York to Boston, thence westward to Seattle, then down to Los Angeles and finally back to Philadelphia and New York. . . . Gives you some idea of the magnitude of golf. . . .

Here's some more of Charley's handiwork: American golf course superintendents maintain a turf area of 510,740 acres—800 square miles—while on the 5,300 courses 800,000 caddies are em-
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For 1940 Perfections will be still better (much better in several ways) than ever before—so good, in fact, that you can just about write your own guarantee.

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Perfections are noted for the utmost in large, even coverage and simplicity and there will be no increase in prices.

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The Latest Contribution to Labor Saving Devices for treating Greens and Fine Lawns for Brown Patch, Worms, Grubs, etc. Also for Distributing Soluble Fertilizers, Weed Killers, etc.

Greenkeepers and Dealers everywhere are unanimous in their praise for this new device.

With the exception of the brass nozzle, it is made entirely of Chemical Resisting Rubber and, with reasonable care, it will last several seasons.

It will actually save, in time alone, several times its cost in one single season.

It will pay you to Budget for Perfection Products in 1940.

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PERFECTION SPRINKLER CO.
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Pepys Goes to the Show
(Continued from Page 2)

ployed as well as 75,000 individuals engaged in the operation and maintenance of courses that represent an investment of $724,000,000 in land, buildings, equipment and furnishings, ... BIG BUSINESS! ... Yet they call it the Scottish game! ... 2,162,000 golfers now (figures by courtesy of Golfing and Golfdom which calls 'em golfers only if they play ten rounds a year). They figure 10,000,000 by 1960! Estimated that 69,000,000 rounds were played in 1939, representing a walking distance of 238,000,000 miles. ... Whew! ...

Joe Burbeck, superintendent of the famous Bethpage Park on Long Island, that sumptuous layout that Bob Moses has built for the public linkers, opens the show by tracing the game's development. ... Wander back to the exhibition area thronged with people, most of them prospective buyers. ... U. S. Department of Agriculture has a most entertaining exhibit showing the little man who WAS there treating turf with arsenate of lead to control the Japanese beetle. ... Also quarantine stations. ... All in miniature. ... Those things always fascinate me, just as they must have fascinated O. J. Noer, of Milwaukee, Wis., (our birthplace) and Harold McManus, supervisor of New York's city courses. ...

Turf G-men on Job

They tell me the old beetle (Japanese) which came to America as a stowaway in a consignment of iris a decade and a half ago does $7,000,000 to $8,000,000 damage in the course of a year. ... But crime doesn't pay, for the turf G-men have got 'em on the run, what with mickey-fins in the way of lead arsenate and the newly-discovered micro-organism, a species of nematodes, small round worms that attack the beetle grubs and adults with the same effect as when the Finns attack the Russians. ...

Met W. J. Tanner, manager of the Westfield GC in Lorain. His course has watered fairways, as is to be expected since he is also fire chief and head of the constabulary force. ... Responding to an alarm once, he discovered it was in a clothes pressing establishment wherein reposed one of his suits. ... "No hoses, men, until I rush in and save my suit!," he ordered. ... His suit saved, on went the water. ... Fireman, save my (che-e-ild) suit!

Wednesday, Feb. 7. ... Up at an unearthly hour and back to the New Yorker for the first educational conference at which such "big shots" as Dr. E. E. Eval of Penn State, Dr. John Monteith, jr., of the USGA Green Sec. (Continued on Page 10)
Golfers everywhere are itching to get out and play a round or two as soon as possible.

Help to keep up this early season enthusiasm by installing Lewis Washers at every tee. A clean ball means fewer lost balls — faster play—longer drives—and all around enjoyment of the game.

LEWIS WASHERS

MULTI-BALL ROTO
Wash golf balls as fast as you can feed them into this new washer! No gears — simplified splash-proof construction. Just turn the crank and out they pop — sparkling white.

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PADDLE-TYPE
The well-known inexpensive single ball washer that is seen throughout the world. The patented slot does the trick, insuring a clean ball.

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Check your Lewis Equipment — recondition it if necessary with Lewis repair parts. Then add to it so that your course, too, will be up to the "Lewis Equipped" standard.

G. B. LEWIS COMPANY
Dept. G3 — Watertown, Wis.

Pepys Goes to the Show
(Continued from Page 6)

U.S.G.A. Gives $313,312

Joe Dey, executive secretary of the USGA, has sent over a fine exhibit from the Golf Museum and calls attention to the fact that the national body has contributed $313,312.21 of its income over the past thirteen years to the Green Section. . . . Top year was 1931 when the sum of $45,230.14 was spent on the section. . . . Last year 97.6% of receipts from dues, or $23,452.85, was utilized for the purpose.

Met one of the oldest greenkeepers at the meeting—John Pressler of Allegheny in swanky Sewickley Heights, near Pittsburgh, home club of such high income bracket families as the Mellons, Fricks, Joneses, Laughlins and the Byerses . . . . Born in 1868, John has served the club continuously since 1897 . . . He's also the ranking law enforcement officer in the township and woe be unto those who break the laws out there, not even excluding the above mentioned barons of finance . . . . Robert Trent Jones, one of the country's outstanding golf course

(Continued on Page 12)
Your greenskeeper, manager and board of governors would be singing, too, if you had a Royer Compost Mixer at your golf club!

They shred, mix and aerate compost, manure, sod, peat, dried sewage sludge or any other material for top dressing and soil building, reducing it to fine particles that quickly yield their nutritive elements to hungry greens; and remove sticks, stones and trash, so detrimental to lawn mowers and load onto trucks, wheelbarrows or piles in a fast, single operation. Too, they mix sand, marl, lime or agricultural chemicals with soil in any proportion.

No screens to clog, just the rapid, positive "combing belt" action. Handles compost, wet or dry, as fast as one to three men can shovel.

Write for New Bulletin and List of Users.

ROYER FOUNDRY & MACHINE COMPANY
171 Pringle Street  Kingston, Pa.

"It's a birdie," says Alvin Young, greenskeeper at the beautiful 36-hole Sportsman Golf Club, (daily fee), at Northbrook, Ill., of his Royer.

Pepys Goes to the Show
(Continued from Page 10)

architects, is in attendance. He's just finished a course for the Cromwells on their New Jersey estate. You know them. He's the new ambassador to Canada and she's the famous Doris Duke of tobacco fame and fortune.

Bumped into Art Peterson, one of the exhibitors. Art managed Vardon and Ray when they made their second American tour in 1920, one of the most successful in history, both financially and in point of victories. Those were the days! No beetles, no turf and no greens such as we have today.

The Akron delegation claims their city the most golf-minded town in the country. Twenty-four courses in a city of 250,000 inhabitants. Who can match that? Home to bed and head awash. No, not from what you might guess — demon rum—but from facts and figures on golf.

Attendance Hits New High

Thursday, Feb. 8.—Back to the show where they divulge the information that the registration already has reached an all-time high of more than 700 and that the New York show and conference has and will top all others. That's great news. Tonight's the night — of the banquet — but before that there's work to be done, things to be learned.

The conference session begins with a talk by Ralph Childs of Columbia University, aided by "Good Time" Charley Burns. "Handling One's Self" is the topic and the greenkeepers are told how practice makes perfect in expressing one's self... a cold sweat breaks out on this brow at the thought of addressing the banqueteers. Speakers, think we, are born, not made.

No One 'Cut Class' Here

And then comes the most interesting discussion of all, at least for the greenkeepers — "Fairway Renovation and Maintenance." M. E. Farnham of the Philadelphia CC, scene of last year's National Open championship, takes charge and the professors—J. O. Pepper and Dr. Fred Grau, entomologist and agronomist, respectively, at Penn State; Dr. B. O. Dodge, pathologist at the New York Botanical Gardens, and Charles K. Hallowell, one of the county agents in Pennsylvania—jump through the hoop at his command. Knows what he's talking about, this man Farnham, and does a good job. The talks are pretty technical for a layman, but the greenkeepers drink in every word.

Then the banquet, attended by 300 (Continued on Page 14)
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persons—a sellout. . . Met one of the old standbys on the way in—John Anderson of Essex County (N. J.) and his charming family. . . . Up at the table among others are President Frank Ermer of Cleveland’s Ridgewood, who has made a fine executive; his predecessor in office, Joseph J. Ryan of Media’s Rolling Green in Pennsylvania; Gene Larkin, for years chairman of the Metropolitan Golf Association’s Green Section; Robert F. Arnott, who has served in the same capacity for the New Jersey association; Joe Dey of the USGA; A. L. (Gus) Brandon of St. Charles, Ill., the indefatigable secretary-treasurer of the GSA, who is a camera fiend; and Col. John Morley of the Youngstown (Ohio) CC, about whom more later . . . . Herb Graft is toastmaster and what a TM! . . . Merry quips fly off the tip of his tongue like sparks off a mower grinder . . .

President Ermer makes a fine opening address, giving snatches of association history, tracing its development from the “trial and error” days, when it was a case of every greenkeeper for himself and devil take the hindmost, up to now . . . . Ryan gets a silver service so big he’ll need a trunk to carry it home . . . . A swell token of appreciation for a swell “guy” who would grace any banquet table . . . . Looks a mite like “Black Jack” Pershing when John was younger . . .

Service Award to Col. Morley

It is my pleasant duty to present the association’s “distinguished service award”—a handsome silver plaque—to “Kid” Morley who is alleged to be in his 73rd year but neither looks nor acts the part . . . . Has been at Youngstown CC for 26 years and in club and golf management for 45 years . . . .
MARCH, 1940

"father" of the GSA, its first president, holding that office for six terms, and now president emeritus—the only one. . . . He gives a fine talk in accepting the honor bestowed upon him, sounding his "haintches" as is natural for a person born in Shropshire, Eng., as he was. . . .

Don Boyd is called up to receive the "swag" he won at the association's championship at Beverly last fall—a silver platter that Herb said was so heavy it brought on his hernia trouble again just to lift it. . . . Don fashioned out a total of 154 in topping his fellow competitors for the honor. . . . And the floor show! . . . Best these aged eyes have ever looked at. . . . A swell crowd of entertainers who went "all out" for the audience. . . .

Pepys Late for Final Round

Friday, Feb. 9.—Awakened by a pleasant-sounding voice saying: "It's 3 o'clock, may we make up the room?" . . . Three o'clock in the afternoon. . . . And we've missed the first lecture. . . . It's on, of all things, "Residual Poisons," and led by Dr. Walter S. Eisenminger of Mass. State College and participated in by Prof. Lawrence S. Dickinson of the same institution and Edward J. Casey of the Wykagyl Club. . . .

Breakfasting on alkalis we hasten down to hear a paper written by Dr. Howard B. Sprague of the New Jersey Experimental Station—"The Superintendent and his Future." . . . traces the history of greenkeeping work from the early days up to the present time when so many men are graduates of universi-

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Engine or power driven prepare deep, finely pulverized, completely aerated putting green foundation—fertilizer worked in evenly from top to bottom—ready for planting. Rototiller also weeds out quack grass, and with accessories, mows lawns and rolls greens. It'll pay for itself in a hurry! Write for catalog.

Greens and fairways can be ready when your season opens—feed Swift's Special Golf Fertilizers and Vigoro now!

- You can do a great deal to get your course into top playing condition by the start of the season if you feed Swift's Special Golf Fertilizers and Vigoro . . . and do it right now!

These effective, scientifically developed fertilizers have proved themselves on leading golf courses everywhere. Applied early, they produce strong roots, choke out weeds and help assure healthy, perfect grass.

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New York, Chicago, San Francisco, Los Angeles, Toledo
ties and when at least four universities conduct schools especially for greenkeepers; he says greenkeeping has changed from a trade to a profession and points out the opportunity that awaits trained men. Other speakers were John Counsell, president of the New England Greenkeepers Club, Peabody, Mass., Fred J. Roth, Plainfield CC, Lester R. Moffit, Walkill CC, Alex H. Reid, Twin Brooks CC, and Fred Ingwerson, Shore Acres Club.

When the conference was over scarcely a stitch of the exhibits were left, having been packed and removed. It was finis for the No. 14 meeting. Hands were clasped, farewells said, All over but the business meetings.

John Gray Takes Over
Late in the day came word that the veteran John Gray of the Essex County Town and Country Club, Windsor, Ont., had been elected "prcy" for the coming year. His club only last month gave him a 25-year contract. 57 years old, born in Aberdeen. Been in Canada since 1910 when he came over to superintend the construction of Essex's first 9-hole course. Has served as C. S. at the club for a quarter of a century.

Saturday, Feb. 10.—A final business session which awards the 1941 show to

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THE ARISTOCRAT OF
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and ESTATE
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THIS YEAR—NEW
All Wilson greens and fairway fertilizers now contain the proper amount of DOLOMITE. DOLOMITE not only aids in the prevention of excess acidity—it also adds magnesium to the soil. Magnesium deficiency may be limiting to turf development—in fact, it has been termed the "fourth plant food element." It is supplied without additional charge in Wilson fertilizers.

When you feed with Wilson Fertilizers you furnish:
1. The three principal elements—Nitrogen, Phosphorus, and Potaash.
2. The fourth limiting element—Magnesium.
3. The so-called "minor" elements—calcium, sulphur, iron, manganese, copper, etc.

Wilson special greens and fairway fertilizers are really complete fertilizers.

For immediate delivery by
WORTHINGTON MIDWEST CO.
GLENVIEW, ILLINOIS

THIS WON A PRIZE!
A course superintendent named Mac was considered the head of the pack. But his bargains in seed turned out to be weeds. He forgot ‘twasn’t Scott on the sack.
The winner...I. H. Peterman
Upper Darby, Penna.

Let this be a lesson...
SOW Scott's SEED
it costs no more!!
O. M. SCOTT & SONS CO.
Main Street Marysville, Ohio
Detroit. . . Sometime in February. . . Qualifications resolution adopted. . . To become a member in the future applicants will have to pass tests based on the one Bob Mitchell of the Edison Club, Rexford, N. Y., won the recent competition with. . . Six zones will be established for the 36 states in which there are members.

Also decided to hold outdoor conference in the South, either in Atlanta, Augusta or Pinehurst. . . National tournament to be held at same place and time. . . Learn that Ed Cale is appointed head of the Federal Research Committee which will attempt to get Congress to vote funds for the study of turf.

According to Dept. of Commerce figures $200,000,000 is spent annually in the U. S. on upkeep of lawns, estates, cemeteries and courses. . . Bill presented a year ago was side-tracked by the political "big-wigs" for lack of a lobby and funds. . . Also because of erroneous impression it was for benefit only of followers of "that wicked, rich man's game—golf." . . "Thousands for the azalea growers, tobacco growers, etc., but not one cent for golfers who are the heaviest taxpayers!" Sounds pretty dumb. . . Suggest inviting congressmen to next conference and show. . . They'd learn something!

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Use Spike Disc before reseeding, fertilizing and top dressing. Its knife-like blades cut unsightly slots to the root areas. By light sprinkling the seed and fertilizer are settled into the slots and not washed away by flooding rains or high winds. Inquire of your dealer or send for leaflet.

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**SPike DISC**

Knife-like blades cut neat slots to root areas.

**Don't TEE OFF with a BOWLING BALL**

So why use surplus weight in a greens mower. The Cooper "CHAMPION" is the world's lightest weight power greens mower and will do your greens job more economically, easily and satisfactorily. No greens packing, no expensive upkeep; Briggs & Stratton powered, the Cooper Champion is tops in performance.

**The Cooper CHAMPION**

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