

delions we will always have but by the time they get the size of a quarter we have them stuck with a sickle. Everyday in the spring my greens mowers get over all their greens and stick them and they only get started. I find that if you keep your compost free from weeds (I always have two years ahead made), ninety-nine percent of your weed troubles never develop. I think any golf course where weeds get ahead in is the fault of the greenkeeper provided the club will give him money to hire help with.

Angle worms are a good thing on any green, provided you only let them work one week in the spring and one week in the fall then stop them dead with corrosive, at least that is the way I do, but the big night crawlers (I don't have any), are dreadful and the only way to stop them is with the use of arsenate of lead. The Soangetaha Country club here has twenty acres of them and don't have money to arsenate the twenty acres but keep them off the greens.

4. New Work.

I am always changing something—trap Number 11 this fall.

Arsenate of Lead for Worms

By HAROLD STODOLA, *Greenkeeper*
Keller Club, St. Paul, Minn.

HERE are a few facts about our golf course. It is owned by Ramsey County and is having its first season of play. The greens are Seaside bent, seeded. Arsenate of lead has taken care of worms and weeds. We are plugging the approaches with Metropolitan Bent. We are strong users of compost.

Our experience with bent tees has proven that bluegrass tees are better.

We have had no brown patch but what had

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snow mold this spring. We are going to combat it with Calomel in the last topdressing this fall.

We have changed two flat greens to scalloped greens by lifting the sod from the edges, rolling it back, filling underneath, and rolling the sod back again. The results have been quick and satisfactory.

It is my good fortune to have a golf course architect for Green-chairman.

Busy Times at Lawsonia

By SAMUEL MITCHELL, *Greenkeeper*
Lawson Country Club, Green Lake, Wisconsin

THIS is my first year on this particular position and in this part of the country.

It is a little different from the climatic and soil conditions in my former home, Salem, Mass., and I find I still have plenty to learn.

Here at Lawsonia we have two 18-hole courses. One at completion of construction this fall and one an old established course. I have had an opportunity not only to study the maintenance problem but have also picked up considerable valuable experience in the construction work.

I have devoted nearly all of my time to this new course since July 1 at which time the newly planted greens and tees were turned over to my supervision with the architects, Langford and Moreau acting as conferees over the work. The greens and tees are planted with creeping bent stolons from the Robert F. Leesley Grass Co. at Riverside, Illinois. We have this Leesley strain on the greens and their Riverside, a little coarser strain on the tees. The greens and tees have all come through in fine shape and are now ready to play.

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Our watering system includes fairways but even with it running twenty-four hours a day we were unable to keep up with the drought as well as I would have liked. However, I have been able to pull the stuff through well enough so that plans are now to open the course, May 30, 1930.

On the old course I used arsenate of lead at the rate of three pounds to one thousand square feet of putting green area. We mixed this in with the first topdressing. This put the worms out of the fight for the summer but had no effect on the chickweed or at least none that I could notice. We made two applications, another about September 1, as soon as worm casts began to show up again and had no more trouble. In the past crab grass has been quite a menace here but we started early and stayed late with our weeding, and had it pretty well subdued all season.

Most of the greens had a heavy attack of snow mold early in the spring. The only noticeable effect was a little slow starting of the bent but no damage. We were also visited with about three attacks of large brown patch that dissolved the greens but they soon recovered without any outside help.

I have been interested in the articles by greenkeepers about their experiences in your magazine. One thing that I regret is that we have no local organization here nearer than the Chicago association which is a little far to attend. Someone up in this part of the country ought to get busy, perhaps the time will be soon. I enjoyed the Show at Buffalo very much last year and hope to get to Louisville this February.

HUBBARD NURSERIES CREEPING BENT STOLONS

Washington and Metropolitan Strains
Pure, free of weeds, and of one season's growth
DR. AMOS F. HUBBARD, N. Kingsville, Ohio

How To Kill Plantain

By G. F. JACOB, Greenkeeper
Stanton Heights Golf Club, Pittsburgh, Penna.

IN ANSWERING Mr. John Morley's questions I will say I had very little brown patch this year and treated it with Semesan successfully. I had no other diseases to bother with.

Worms I had plenty and I get them with Mowrah Meal. I had more weeds in my fairways than ever before, especially plantain and I would be very thankful to find out the best way to get rid of it.

Nu-Green Cures Brown Patch

By OTTO SCHAEEL, Greenkeeper
Wausau Country Club, Schofield, Wis.

WE HAD considerable brown patch but treated it immediately with Nu-Green which gave favorable results. We had considerable trouble with crab grass in our greens but pulled it all out by hand.

We put in a new eighteen hole putting green with Flossmoor stolons and it is coming along in good shape. We also enlarged several of our tees.

About Cocoos Bent

By M. D. LAMOREAUX, Greenkeeper
Kirtland Country Club, Willoughby, Ohio

Due to the fact that we have received so many requests for information as to what beneficial results we have achieved from introducing Cocoos seed into our Washington bent greens, I want to take this opportunity to pass this information on to fellow members of the N. A. G. A.

For the information of those who have had no experience with Cocoos, it is the finest growing strain of

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any of the bents. It grows upright without the nap or stringy condition which all of the stolon-planted bents will develop; it is even more hardy than any of the strains which are in common use for putting greens today and it does not need as much maintenance care to keep it in the pink of condition. By this I mean that it will thrive on half as much fertilizer and only needs a small amount of water to keep it in the condition for putting green use.

When we planted our greens to Washington bent stolons in 1922 our troubles started, for while they developed beautifully the first year they soon became fluffy with a decided grain on the slopes. We tried brushing with a wire bristle street broom and then top-dressing with a sandy loam, which did very well as a temporary relief but the fluff and grain would soon develop again.

After giving the matter a great deal of thought, we decided that, if we could get a fine grass to mix evenly with the bent, we might get the perfect putting surface which we are all striving for. We proceeded to give the slopes the usual treatment of a stiff brushing and top-dressing, and then on some of them we introduced different seed. We used redtop, bluegrass, and all of the good fescues. The seed came up and certainly made a wonderful putting surface, but as soon as the bent began to grow vigorously it ran out all of the seedlings.

It was at this time that Professor Lyman Carrier came to pay Kirtland club a visit and after looking our experiments over told us that, if we would try the Cocos seed, he thought it would stand an equal chance to compete with the Washington bent and might possibly run out the old grass. After trying it out in the nursery we introduced it into seven of our greens, which were in the worst condition. We certainly were pleased with the results. The first greens were seeded with Cocos in the spring of 1927 and, after playing on them that season, our members were so pleased that they insisted that we give other greens the same treatment.

So in the fall of 1927 we brushed all of the greens and, after top-dressing each with one and three-quarters yards of sandy loam, we applied the Cocos seed at the rate of three pounds per thousand square feet. We also applied the same amount with our spring top-dressing in 1928.

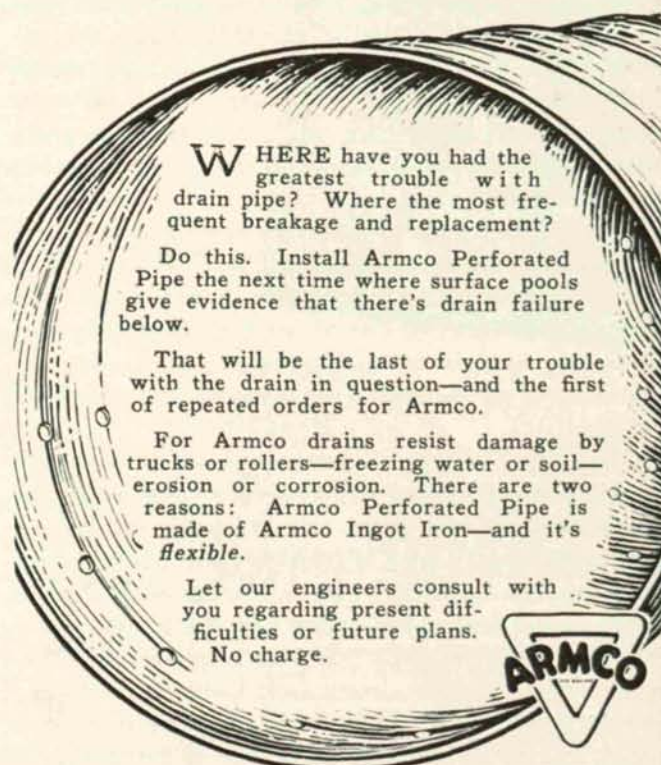
This grass is now running out the Washington bent to such an extent that we have fourteen greens which run from seventy-five to nearly one hundred per cent solid Cocos bent.

On the other four greens I will brush up the Washington stolons on the spots where the Cocos is not well established and will sow seed on these spots on top of our fall top-dressing, which I now plan for September 16. I would prefer to do this work the first or second week in September but tournaments prevent me from doing so.



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Around the Office Desk



Jersey Greenkeepers Visit Philadelphia

By JOHN ANDERSON, 1st Vice President and District Vice Pres. N. A. G. A. Crestmont Golf Club, West Orange, N. J.

AT OUR August meeting we decided to visit the beetle-infested area to get some first hand information about this pest that has ruined many a good golf course.

I was instructed by our President, Mr. F. J. Roth of Plainfield Country Club to get in touch with some greenkeeper who had been through the mill. Knowing that the Philadelphia area had been through a strenuous time with the Beetle, I wrote our good friend, Mr. Lewis Evans of Cedarbrook Country Club, Mount Airy, Phila., telling him what we wanted. Sure enough Lew replied stating, "By all means bring the boys along and I'll show them all the beetles and grubs they want to see and also tell them the measures we took to control them."

So on September 23, we greenkeepers boarded a bus at Newark, enroute for Philadelphia. We arrived in Philadelphia around 11 A.M. Mr. Evans in his usual thorough manner had one of his men looking out for us to take us right up to his club. I am voicing the sentiment of all the boys when I say we had a wonderful day.

First, Mr. Evans showed us some grub-infested areas mostly in the rough, as he has got his fairways almost cleared, and we saw grubs aplenty, grubs and beetles, dead and alive. At Cedarbrook before steps were taken to fight them they had an average of 140 grubs to the square foot of turf. But Lew has fought and is still fighting them and it has been a costly job. We, representing the New Jersey Golf Courses, are to enjoy the benefit of Mr. Evans knowledge by being prepared, and as an ounce of prevention is better than a pound of Cure, our boys have decided to prevent, and save their clubs thousands of dollars in money to say nothing of inconvenience caused to players by acres of turf being uprooted by these pests.

Lew has things done pretty well as he wants them at Cedarbrook for he had arranged with the club steward

and we had a real lunch, with a short chat in the clubhouse. Then, we walked over the course, hole by hole. It is a beautiful spot and a wonderful golf test. Every yard, even to the remote corners, show there is a real greenkeeper in attendance. Mr. Evans has already written a good deal about grub control, so in this article I won't touch on that, but I would like to get all the boys to join the National Association of Greenkeepers of America as it is through the Association that these excursions of friendship and good-fellowship, also instruction come about.

So greenkeepers all—Rally to Louisville in February 1930, where all these problems will be discussed and advice and information given by those who know.

Statement of the Ownership, Management, Circulation, Etc., required by the Act of Congress of August 24, 1912, of THE NATIONAL GREENKEEPER, published monthly at Cleveland, Ohio, for October, 1929.

State of Ohio, County of Cuyahoga, ss.

Before me, a Notary Public, in and for the State and county aforesaid, personally appeared Robt. E. Power, who, having been duly sworn according to law, deposes and says that he is the Editor of the National Greenkeeper and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

Publisher, The National Greenkeeper, Inc., Cleveland, Ohio; Editor, Managing Editor and Business Manager Robt. E. Power, Cleveland, Ohio.

2. That the owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one per cent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other unincorporated concern, its name and address, as well as those of each individual member, must be given.)

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ROBERT E. POWER, Editor.

Sworn to and subscribed before me this 28th day of September 1929

A. F. Reyner

My commission expires Nov. 5, 1931.

Address all communications relating to Association membership, dues, etc., to--

JOHN QUAILL, Secretary
426 Highland Avenue
West View, Pittsburgh, Penna.

Address all communications relating to the Golf Show at Louisville, February 4-7, 1930 to--

FRED A. BURKHARDT
Chairman, Show Committee
405 Caxton Bldg., Cleveland, Ohio

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Where reputable manufacturers and dealers list and describe their products. Greenkeepers are requested to write the Market Place for any special information they desire about supplies or equipment

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Association Faces Crucial Year

(Concluded from page 5)

different angle from the association. Through publicity we are endeavoring to standardize practical knowledge and efficient service and the remunerations of a greenkeeper will always be based on these merits in conjunction with only two persons—the greenkeeper and Green committee chairman. During the season just past it has been very gratifying to learn that a large number of greenkeepers have had their wages advanced through above methods.

Bright Outlook for Louisville

A GREAT number of letters received from members contain the information that they are anxiously awaiting for the time to arrive for the Fourth Annual Golf Show, Conference and Convention to renew old acquaintances and to meet with new ones. So far indications are that notwithstanding the distance from the bulk of our membership, the attendance will be larger

than any we have previously held.

From far away Minneapolis comes word from one of our charter members, Charles Erickson stating their district would be well represented. One writes from the Boston district God willing I will be there. Kansas City, Saint Louis, Cincinnati, Columbus, Indianapolis, Chicago, Detroit, Buffalo, Pittsburgh, New York, Philadelphia, Newark, Cleveland, Toledo and Toronto, Canada as well as a large number of members where there are no district associations say they will attend. Several of our members have informed me that owing to the distance they will have to travel that their Green committee chairman has promised to help to pay their expenses.

While we have no apologies to offer for any of our recent Golf Shows we have every reason to believe that the coming events will surpass any of the previous ones. With this in view we have secured more floor space than we had at Buffalo, the large Armory building situated in the heart of the city of Louisville and within two blocks of our headquarters. That these Golf Shows are profitable as well as instructive is shown by the enthusiasm displayed by the various exhibitors of golf maintenance. Past experience with Golf shows has given Fred A. Burkhardt and his able assistants an opportunity to make greater progress each year. The midnight show which was a grand success at Buffalo will be given with a lot of added attractions. The conferences which will be held will endeavor to obtain the best talent available.

Owing to the fact that a large number of members are going to take their wives to Louisville the Association of Wives of National Greenkeepers will hold their reunion and convention. George Davies has promised to have a good Reception committee to take good care of them and see that they have a good time.

Louisville is known all over the country as one of the best cities in which to hold any convention. The support and co-operation of the Louisville District Golf Association and the greenkeepers marshalled by that old-timer George Davies gives to you an idea that those who fail to attend will miss one of the greatest gatherings of greenkeepers, pro-greenkeepers and chairmen of Green committees ever held.

We want every member to be a booster for Louisville. Remember the date—February 4-8, 1930.

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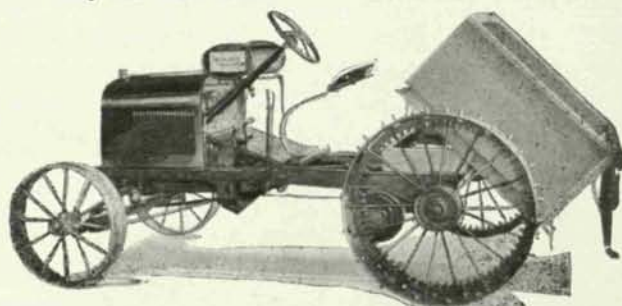
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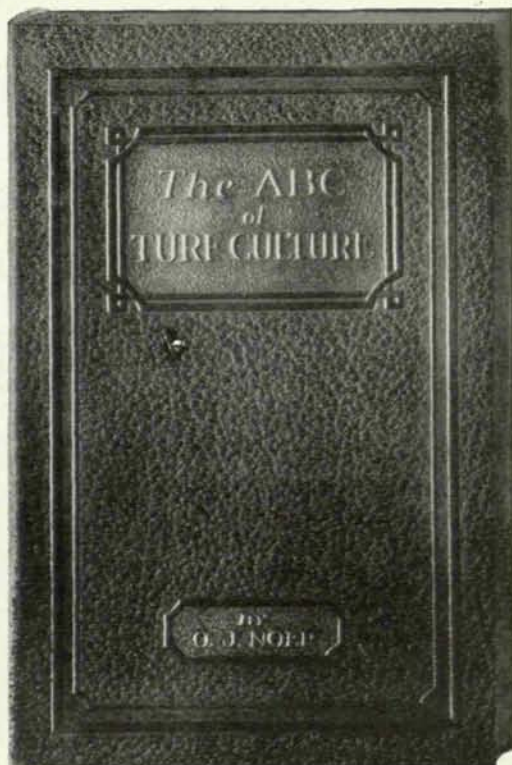
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