

had the pleasure of greeting the "P. T. Barnum" of Louisville otherwise known as George Davies, and Victor George of LaFayette, Indiana, president of the Indiana Greenkeepers Association. Nine o'clock found the entire Executive Committee in session. After all important business matters pertaining to the welfare of our association had been disposed of our attention was devoted to the coming Golf Show, Conference and Convention at Louisville, Kentucky, February 4-7, 1930. After listening to reports from all members present we came to the conclusion that the coming event will be greater and better than any which we have previously undertaken.

Fred A. Burkhardt, chairman of the Golf Show said he feels confident that we will have a large attendance and more exhibitors than we had at Buffalo. But we must remember that the Armory which will house the 1930 Show is very large. We have reserved considerable space for old exhibitors but there is still space left for more manufacturers and merchants to exhibit their goods. According to George Davies everyone in Louisville will be on deck to welcome us when we arrive.

On Monday afternoon a joint meeting of the Executive Committee and the Indiana greenkeepers was held. Victor George, president of their Association presided and later called on all members of the Executive Committee and guests for a few brief remarks, after which a general discussion took place, especially in regard to brown patch, bacterias and the merits of arsenate of lead. Victor George having brought the meeting to a close we bid farewell to our guests until we meet again at Louisville.

New Equipment for the Show

WE ARE pleased to state that a large number of manufacturers and merchants of golf course equipment are this year making their initial appearance. New equipment for golf course maintenance will be on exhibition. The latest time-saving and labor conserving equipment will occupy prominent space in the Armory. Golf club officials are continually looking for better service and unless we can obtain better working equipment it will be impossible to meet their requests. Fortunately,

The F. & N. "Quintet" Fairway Equipment



YOU GET MORE in the new F. & N. Mowing Equipment for Golf Fairways for many definite reasons. Among these are: Patented principles which no other mowing equipment can have. Quality and workmanship possible only in the plant that produces the world's largest volume of mowing equipment.

The F. & N. TITAN Mowers included in the "Quintet" are designed and built especially for this rugged service. In these you find—

—the patented interlocking frame and cutter bar construction which keeps the mowers in rigid alignment, and prevents the frame from becoming wobbly.

Drop-forged steel gears with cut teeth and heat-treated, revolve on Timken Roller Bearings in a constant bath of oil.

Five blades are made of special analysis chrome vanadium steel.

Every part of the TITAN Mowers is machined and fitted as precisely as the parts in finest automobiles.

Best of all, smooth operation is permanently assured with F. & N. TITAN Fairway Mowers because they are equipped with the patented F. & N. Self-Adjusting Device in the revolving reel. This eliminates the troublesome adjusting here.

The new gang frame is all-steel, stronger, more flexible, more convenient and efficient in operation, and lighter in weight. It handles mowers in gangs of three or five for any tractor.

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The F. & N. Putting Green Mower

For producing those velvety smooth greens so essential today, greenkeepers who have used the F. & N. Putting Green Mower say that it is the finest ever produced. It is lighter and easier running than ever. It embodies self-adjusting SKF reel bearings, alemite oiling, etc. Rubber-tired carriage for transporting is furnished with it.

The F. & N. LAWN MOWER CO.
RICHMOND, IND. U. S. A.

science and invention are keeping pace with the times and at our coming Exposition we will observe and discuss among ourselves and others the merits of these new inventions.

During my various terms in office as president I have often been placed in an embarrassing position by greenkeepers and chairmen of Green committees by their request seeking information pertaining to golf equipment. It has been necessary for me to avoid as far as possible recommending any individual firm or manufacturer's line of equipment. To do so would in my opinion be unjust while representing such a large and powerful association as ours, especially to those who have helped us at a great cost of time and expense to promote one of the greatest show of golf course equipment ever held in this or any other country where the game of golf prevails.

To the greenkeeper who has the confidence of his Green committee chairman to buy what he thinks his course needs, I would suggest that he bring along his Order book and do his buying for the coming season at the Show. To other greenkeepers bring along your chairmen for by so doing he will surely buy for you some of the labor-saving devices which will be seen at the Show.

Fine Speakers for Conference

IT HAS been allotted to me to secure suitable speakers for the three days' conference and I am pleased to inform you that I have secured the best talent available. The subjects will be well balanced. There will be no morning sessions. This will give everyone an opportunity to visit the many well-known places of interest in the neighborhood of Louisville. The program and subjects will be found elsewhere in this number of the *National Greenkeeper*.

I believe that it is proper and right at this time to dwell on the social and fraternal side of our Association. With this in view it becomes a pleasure to state that not only in the city of Louisville but the State of Kentucky, hospitality is a tradition. The city of Louisville is situated on the Ohio River frontier where Dixie begins. It embodies many attractive traditions, one associated with the South as you will find anywhere. You will go there

and learn that "My Old Kentucky Home" is more than a sentimental song. It is a fact you can go down to Bardstown and see the house that Stephen Foster wrote the song in and let us not forget that it was the same Stephen Foster who also gave us "Old Black Joe", "Swanee River" and "Massa's in the Cold, Cold Ground."

With some disappointments that we encounter while traveling along life's varied and interesting journey there comes to us many blessings and pleasing privileges that fill us all with joy and rejoicing. We are also blessed with many things that come to us that makes our journey through life most pleasing indeed. One of the great blessings that come to us is the wonderful privilege of being members of a fraternity of our calling, and the pleasing opportunity we have of associating together as greenkeepers and being influenced by our own environments which has done so much for us during the past few years.

Do we as greenkeepers fully appreciate the great blessings and wonderful privileges that come to us through our association? One of the grandest characteristics of a member is to show proper appreciation for the services given us by others and for the blessing that comes to us from the many who have labored for those who live after them. Real happiness comes to us as a result of dealing justly with others. For if we expect happiness ourselves we must endeavor to bring happiness to others. Do we as greenkeepers of today show full appreciation for the great blessing that our association has brought to us? Have we rendered our fellow-members such services as our organization requires of us?

Let us not forget that there is a very wide difference in being enrolled on our records as a member of our fraternity and being a real member. Yet how pleasing it is to us to feel and know that within our membership there are but few who are not real members. Memory is a God-given element. If it were not meant to use it would not be given. We are bound together by ties of the past. Memory brings back other scenes—gives us a common starting point and mellows the heart made hard by a cold

competitive world. Our association therefore draws us together by common interests that makes sacred all that goes to make us what we are, interests made up of the past.

No man should enter our fraternity with ulterior motives. The self-seeking man has at the very beginning made himself a foe to fraternalism. It is not manly to scrap and fight and back-bite. But it is manly to have faith in one another, to bring to them a much desired hope and for all of us to be bound together with the strongest kind of tie, namely love.

Goodwill is the Last Word

BEING of national training and making my way slowly through the university of experience the older and more proficient I became the more I began to think and think hard. The man who is different to me sets up a problem. The moment we judge another without knowledge we are guilty of prejudice. Let us rise to the level of goodwill. Goodwill is almost the last word of fellowship in the human vocabulary. We are entering the first elementary stage of brotherhood and fellowship. Let us banish the ill will of ignorance to the good will of understanding. Life is character trying to express itself in terms of actions. Never flaunt the "red flag" when meeting a friend. Remember the law of service to the other fellow and humanity.

Many people seek more education solely because it increases their earning capacity, but education brings so much more. It is true that if one can increase one's economic value to the world and render better service it should be sought earnestly and used fully.

It has been stated that men are valuable just in proportion as they are able and willing to work in harmony with other men. This surely applies to such an organization as the National Association of Greenkeepers of America. The value of each one of us a member of this association depends upon our ability to cooperate with the other members. The value of the organization as a whole depends upon the interest and cooperation of the individual member.

No More Casual Water with this "NEW" TYPE of DRAINAGE



NO more need to put up with casual water, wet spots or washouts after rains.

The solution is—*proper sub-drainage with Armco Perforated Pipe.*

Golf course architects and greenkeepers are coming more and more to the use of Armco Perforated Pipe. Just below the surface . . . does not interfere with the growth of the turf or the greens . . . but ready always to take off the rain just as soon as it falls. Rain in the morning—good golf in the afternoon.

There's another reason why drainage experts prefer Armco Perforated Pipe. It's the only pure iron drain pipe on the market today—the only corrugated metal pipe which has been "Nature Tested" for 24 years.

Armco Engineers have prepared interesting and valuable information on golf course drainage, which is yours on request. Use the coupon.

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N. G. 1

Chairman Burkhardt Says-- "A Bigger and Better Show"

"CONTRACTS already in hand indicate a bigger and better Show at Louisville in February than we had last year at Buffalo," says Fred A. Burkhardt of Cleveland, chairman of the National Association Show Committee. "We still have a month to go, and yet more space has been contracted for than the total at Buffalo proving conclusively that the Greenkeepers' Show is growing in popularity and produces real business for the exhibitors."

A unique feature is planned for the Show this year at Louisville. The Show committee has set aside two spaces in the center of the floor and will conduct a competition in the construction of putting greens between the greenkeepers of the East and the greenkeepers of the West. Joe Valentine, famous greenkeeper of the Merion Cricket Club, Philadelphia, will be captain of the eastern team, while Charles Erickson of the Minikahda Club, Minneapolis, whose course is famous throughout the world will be captain of the Western team.

Each team will construct a putting green out of molding sand furnished by the committee for that purpose. These greens will be contoured and bunkered exactly to scale for any length hole which the constructors may elect. Each team must furnish a drawing of its green at least three feet square showing

the scale on which the green is built and indicating the drainage and other features of construction.

A committee of judges will be chosen consisting of entirely disinterested architects and golf professionals who will decide which team has built the better green and this team will receive a prize of \$100.00 in cash.

Only greenkeepers will be allowed to take part in the competition and each captain must file the names of his team members with the committee at the time the work is started.

The following partial list of exhibitors show the wide extent and variety of this year's exhibition. Most of the manufacturers have new products to display among them being a new power putting green mower by Toro and an automatic sprinkling system by the Sherman Manufacturing Co. In the list is included practically everything used on golf courses, public parks and private estates.



FRED A. BURKHARDT
Westwood Country
Club, Cleveland

Partial List of Exhibitors, Louisville, Show

Toro Manufacturing Co., Minneapolis, Minn.
International Harvester Co., Chicago, Ill.
Roseman Tractor Mower Co., Evanston, Ill.
Worthington Mower Co., Stroudsburg, Pa.
Pennsylvania Lawn Mower Works, Philadelphia
Ideal Power Lawn Mower Co., Lansing, Mich.
Jacobsen Manufacturing Co., Racine, Wis.
E. G. Staude Mak-A-Tractor Co., St. Paul, Minn.
Pelican Works, Niles, Mich.
Thompson Manufacturing Co., Los Angeles, Calif.
National Mower Co., Minneapolis, Minn.
O. M. Scott & Sons Co., Marysville, Ohio
Grasselli Chemical Co., Cleveland
L. R. Nelson Mfg. Co., Peoria, Ill.
Standard Mfg. Co., Cedar Falls, Iowa
American Seed Co., Detroit, Mich.
J. Oliver Johnson, Inc., Chicago, Ill.
Buckner Mfg. Co., Fresno, Calif.
Ohio Humus Products Co., London, Ohio
Sherman Mfg. Co., Battle Creek, Mich.
Milwaukee Sewerage Commission, Milwaukee, Wis.
Henry H. Doty, Chicago, Ill.
Atkins & Durbrow, New York City
Hyper-Humus Co., Newark, N. J.
Virginia-Carolina Chemical Corp., Richmond, Va.
George A. Davis, Chicago, Ill.
Koppers Products, Pittsburgh, Pa.
Cooper Mfg. Co., Marshalltown, Iowa
Friend Mfg. Co., Gasport, N. Y.
Hal Billig, Inc., Chicago, Ill.
I. L. Radwaner Seed Co., New York City
Fraser Publishing Company, Montreal, Quebec
Lyman Carrier, Inc., Granger, Ind.

Kentucky Hotel

LOUISVILLE, KENTUCKY

Headquarters for Greenkeepers
Convention

February 4, 5, 6, 7

One Block from Auditorium

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Rooms

Popular
Price
Coffee
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450
Baths

Georgian
Dining
Room

Where Kentucky Hospitality
Greets You

R. D. BEMISS, Manager

RATES

Single	\$3.00	-	\$3.50	-	\$4.00	-	\$5.00
Double	\$5.00	-	\$6.00	-	\$7.00	-	\$8.00
Twin Beds	\$6.00	-	\$7.00	-	\$8.00	-	

Collyer Encourages Greenkeepers

BY J. H. EVANS
Golf Editor, Toronto Globe

PAST President Albert Collyer, of the Province of Quebec Golf association, is to be the next president of the Royal Canadian Golf association. And it will not occasion surprise if Mr. Collyer revives interest in a green section by the introduction of co-operative methods which have appealed to the club secretary and his course superintendent alike in sections of the United States and within a comparatively short time have been a marked success in Quebec. Mr. Collyer established a green section in Quebec under the direction of the Provincial association, supported by contributions from member clubs, and with a practical individual at its head who donned his overalls and took his place with the greenkeeper and his workmen. Mr. Collyer also gave the clubs of Quebec a co-operative system of purchasing material and equipment. The idea was simple and not at all novel for it had been successful elsewhere, but it gave members of the association something definite and immediate in return for their material support.

In addition to revealing to the golfer of Quebec what might be done in the matter of economies, Mr. Collyer overcame the antagonisms which appeared to exist between the greenkeeper with his vast fund of experience and the technical expert. These differences appeared after the unfortunate experience of the Royal Canadian Golf with a green section, the prime purpose of which was the dissemination of technical advice.

"Of the two ideas—the scientific and theoretical versus the practical program of the Province of Quebec, I am sure the practical has been the more successful," said Secretary B. L. Anderson, of the Royal Canadian Golf Association. The scientific individual lacks the point of view of the practical expert. On the

other hand practical co-operation gives the golfer something in his annual statement and with the proper man directing it, there is to be found someone who has the confidence of the worker—one of the most important factors in the sport.

"I think there is more to be said for the practical," he continued. "For instance, Mr. Sansom, of the Toronto Golf club, is an illustration. He has had extensive experience. He is able to take hold of a greenkeeper who has been a farmer and became a greenkeeper because he ploughed the ground on which the course had been built. In a few trips over a course, he can teach the inexperienced superintendent and greenkeeper a good deal. Men of Mr. Sansom's type are worth as much to golf as the scientific, and I think a bit more.

"Mr. Collyer is expected to direct the Royal Canadian Golf association in 1930 and it should not surprise any of us if he urged the adoption by each province of co-operative methods and the establishment of sections with practical men to direct them. His success in Quebec has made him an enthusiast for co-operation. The idea isn't new, but it remained for the association in Quebec to put it into effect as far as Canada was concerned and to illustrate what might

be accomplished through a central information bureau and a central repair department. There has been no feeling against it among the greenkeepers."

Cooperates With Greenkeepers

TO a small extent, relations have been established between the Royal Canadian Golf association and organized greenkeepers. These relations will continue in 1930. Frequently, the association receives from the British Isles requests for positions and work on Canadian courses. It adopted the practice in 1929 of



MR. ALBERT COLLYER
A friend of the greenkeepers



MR. B. L. ANDERSON
Secretary, Royal Canadian Golf Association

turning these applications over to the club secretary's association which in turn passed them on to the greenkeeper. Thus, Mr. Anderson brought new men into contact with the organized greenkeeper and assisted him to prevent an overcrowded labor market with its consequent conditions.

The opportunity to render service to the applicant for work is a more vital matter in Canada which has formerly drawn its greenkeepers from the British Isles. There is no quota law to protect its wage earners, and it is annually faced with the problems presented through the arrival of hosts of immigrants from the British Isles attracted by the glowing accounts of the abounding prosperity in the Dominion only to find the opportunity for employment decidedly limited.

Commencing its project as a course of the most modern character and a club house at some future date, the Royal York Golf club has decided to build a club house in keeping with the C. P. R. scheme of things. George S. Lyon, Canada's outstanding golfer on December 14 laid the corner-stone of the structure, work on which is to proceed forthwith. The course is to open in the spring of 1930.

Work on another course to be known as Glen Mawr, located in another suburb of Toronto, is to commence in the spring. The plans of this club are pretentious also. They include an 18-hole course and club house for men, and a nine hole course and club house for women with membership fixed at 600. Adjacent to this new club are the homes of millionaires and modern estates.

About Tobacco

In regard to pulverized tobacco. I would not advise using it in the fall of the year where putting greens have a hard time pulling through the winter months. After the first of December about three hundred pounds (300) to a green should be used. The tobacco used for winter protection must be coarse, if too fine it may smother the grass.

By John Morley

Kansas Comes In

"I surely appreciate the great work that is being done by the National association, also the magazine which we appreciate very much. It always gives me a great pleasure to read your articles."

(Letter to John Morley from Chester Mendenhall, Wichita, Kansas)

THE PERFECT GOLF COURSE SPRINKLER
COVERS GREATER AREA
THAN ANY OTHER TYPE



GOLF KING No. 6

SPRINKLERS SNAP VALVES

The Preference for
BUCKNER SPRINKLERS
AND SELF CLOSING VALVES

wherever golf is played is born out of recognition by leading greens men of their definitely superior performance over a period of many years.

BUCKNER MANUFACTURING CO.
FRESNO, CALIFORNIA
(Pioneers in Golf Course Irrigation. Originators of Hoseless System)

Prince Edward Island Bent Seed (*Agrostis tenuis*)

Dense upright fine growth ideal for tees and approaches, also for greens where water supply is scanty. Economical as a pound contains over 6,000,000 seeds and extreme hardness prevents winterkilling. Sealed and Certified by the Canadian Government.

Buckeye Brand Seaside Creeping Bent Seed (*Agrostis maritima*)

Beautiful putting turf at one-fourth the cost of vegetative planting. Blends well with standard vegetative strains for renovating. Sealed and Certified by the State of Oregon.

VELVET BENT, CANADIAN GOVERNMENT SEALED—Very limited supply.

NEW BRUNSWICK CREEPING BENT—New variety, finer than Seaside Bent.

We are sole wholesale distributors in the United States for the Fine Bent Seed produced on Prince Edward Island and Certified and Sealed by the Canadian Government.

Our booklet, "The Fine Bent Grasses" sent free on request.

Redtop—Kentucky Bluegrass—Chewings Fescue—Poa Annua—Colonial and German Bent.

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316 Walnut Street Cincinnati, Ohio

A reputation of 92 years fair dealing back of every sale.

Two New Courses for Chicago

BY EDWARD B. DEARIE, Jr.

*Architect of the New Municipal Links, Lincoln Park, and
of Sportsman's Golf and Country Club*

NEXT year will be another of a series of notable years for Golf. Two new championship courses will be open to play in Chicago—Land next summer—one to millionaires and the other to those of moderate means who pay as they play. These two new courses will be the new municipal links in Lincoln Park and the links of the Sportsman's Golf and Country Club.

Both of these projects are being created with one fundamental thought: to spare no expense to make them among the most attractive in the United States. Pride of achievement is behind both of them. In one case the pride is of personal ownership and in the other case it is the pride of a board of trustees representing one of the



EDWARD B. DEARIE, JR.

greatest cities in the world. A \$35,000 stalwart wire fence, artistically concealed by beautiful foliage, will guard the exclusiveness of the private course; the public course, which is bordered on one side by Lake Michigan and on the other side by a scenic motor drive, will be protected by public sentiment.

A feature of both developments is the fact that they will each have underground fairway watering systems, one of the latest advances in golf course construction. Pop-up sprinklers able to cover a diameter of 90 feet are placed at the points of 90-foot equilateral triangles, thus insuring complete coverage. Although these systems will cost about \$45,000 apiece, they are expected to prove very efficient and to be good investments.

The New Municipal Course at Lincoln Park

CIVIC pride, which is far from lacking in Chicago, is the inspiration behind the new municipal course at Lincoln Park. One of the primary objects is the creation of a course fine enough for the holding of championship contests in connection with the 1933 World's Fair.

The Board of Commissioners of Lincoln Park consists of the following citizens: Eugene R. Pike, Robert H. Morse, John R. Thompson, Jr., John F. Cuneo, Alexander Fife, John A. Torston and Albert Halperin. All of these men are prominent in the business world. They are interested in golf and are keenly anxious to make its pleasures more available to the residents of their park district. They also desire to assist in the development of golf generally. They feel that the creation of this championship course under municipal

control will not only attract many prominent golfers to the city from time to time but that it will also stimulate other municipalities to build championship courses.

As the closest course to "the Loop," the new one at the north end of Lincoln Park is easy of access by land, sea and air. The Outer-Drive, one of the city's beautiful highways, skirts the links. Automobiles and busses from the center of the city can reach the first hole in about 15 minutes. A few blocks away are several street car lines and the "L." Adjoining the course is the Belmont yacht harbor where pleasure craft from all of the Great Lakes may ride at anchor while their owners and guests enjoy themselves on shore. Of course, aquaplanes will soon be able to land on the lake and motor to shore.

Built entirely upon space reclaimed from

GREENSKEEPERS!

What Part of Your Cost is for Labor?



No. 1 Gasoline or Electric with Sifter in operation



No. 1 Gasoline Model Capacity 6 cu. yds. per hour



No. 1 Gasoline Model with Elevator detachable

Jot down facts and figures and explain to the Management why they can afford a KEMP SOIL SHREDDER to save one-half to two-thirds the cost of hand mixing and screening of compost.

And the better (improved) soil you have to work with insures better greens and tees. KEMP shreds (does not grind) soil and fertilizer.

Clark & Benson, golf course builders of West Palm Beach, Fla., say:

"The KEMP has performed beyond our expectation; it has given us no trouble whatever in operation and as to pulverizing compost or wet muck soil, it works to perfection, taking the place of at least 5 laborers and performing the work in a much better manner."

Write for Catalog and Price List. Let us prove to you that KEMP "does make good." KEMP MANUFACTURING COMPANY, Dept. G, 2001 Peach St., Erie, Pa.

KEMP POWER SOIL SHREDDERS

Lake Michigan this municipal course is a real engineering achievement. For the past four years the process of filling in the enlarged boundaries of the park has been in progress. During this period thousands and thousands of scows and auto-trucks have dumped huge loads of rock and dirt so that the cost is beyond measurement.

After the fill was completed, the surface was covered with a 10-inch layer of fertile black loam and the whole improvement was protected by the construction of a substantial sea-wall. This is about 3 feet thick and 18 feet high but only five feet of it extends above the mean water line. The top of this wall is slightly above the surface of the soil.

Because of its location directly on Lake Michigan, this course is the only one in the Middle West which may claim to be on the "sea shore" There is usually a pleasant breeze blowing inland from the Great Lakes which makes their shores especially attractive in warm weather. The air surrounding them naturally contains a great quantity of moisture which has its effect upon turf culture.

Much of the credit for the results achieved belongs to Henry E. Eicholz, assistant architect and superintendent of construction. He made the necessary topographical survey of the 168 acres and carried out the engineering plans which involved much detail.

Although the course will comprise 18 holes when completed, only 9 of them will be open for play the first season. These will be located closest to the lake. A water hazard will be provided by an inlet from Lake Michigan which will be artistically fringed with rocks and will terminate in a rock grotto. The yardage for the first nine holes will be 3,375 and for the second nine holes 3,355, making a total of 6,730 yards.

Adjacent to the course are several features of interest. To the south is a baseball diamond, football field and tennis courts. To the north on the extension of an artificially-created promontory to protect the yacht harbor, is a huge archery field. Along the lake is a 100-foot bridle path.

In harmony with the surrounding beauty of Lincoln Park the new course is to be attractively landscaped. Cedar, pine, spruce and other trees are being planted. It is anticipated that vegetative bent stolons will be planted on the greens and considerable bent seed sown in the fairways.

A magnificent club house for golfers and yachtsmen is to be built at the entrance to the golf course and facing Belmont Harbor. This is to be an architectural gem.

The Sportsman's Club— A Millionaire's Vision

THE Sportsman's Golf and Country Club is the result of a millionaire's vision.

George L. Chamberlain of Evanston, owner of the property, is promoting the project without thought of immediate financial return and sparing no expense to make the course an artistic masterpiece.

The development includes not one golf course but three. Besides one 18-hole course, there will be a 9-hole course exclusively for women. With 27 holes the project is one of the most complete in Chicago-Land.

The total investment, including the value of

the land and the cost of the club house, will be almost \$1,000,000. So far as known no actual plans have been made for the sale of memberships in the club, it being Mr. Chamberlain's belief that the attractiveness of the development will be the most powerful magnet for those able to afford the best.

Mr. Al Espinosa, internationally known golfer, is the managing director of the club. He tied Bobby Jones in the National Open Championship last summer at Winged Foot. He has endeavored to have reproduced wherever practical some of the holes he has played on famous courses abroad. His knowledge of the game and of the finest courses in the world will be a tremendous asset.

Located on the south side of Dundee road between Milwaukee and Waukegan roads on the northwest of Chicago, the property is only a short distance south of Sky Harbor. Golfers will thus be able to come almost to the links in airplanes.

The construction of these golf courses is believed to have set a record for speed. The designing and building occupied 91 days. The layout was approved June 19 and the seeding was completed September 25. In the interim 80 horses, nine tractors and two steam shovels had been at work moving and preparing 102,000 cubic yards of dirt.

Both the irrigation and drainage systems are worthy of attention. In order to secure water it was necessary to lay an 8-inch pipe-line two miles from the village of Northbrook. At the entrance to the property are two pumps which guarantee the delivery of 600 gallons of water per minute. Four ditching machines assisted in the laying of 78,000 feet of cast pipe for

714

THE LARK SPRINKLER



The Lark is a sturdy, durable sprinkler. It has won thousands of friends by its never-failing performance and long life.

It sprinkles *evenly* from center to outside circumference on any pressure. Users refer to The Lark as "The April Shower Sprinkler" because of its gentle, rain-like spray. You can try the Lark before you buy it.

Trial Sprinkler sent Postpaid



L.R. NELSON MFG. CO.
PEORIA, ILLINOIS



the watering system and over 80,000 feet of tile for the drainage system. Over 3,000 cubic yards of gravel were placed in the traps and bunkers and tile lines installed to insure adequate drainage in storm periods.

Plans for a magnificent \$400,000 club house have been designed by Holabird and Roche whose architecture is responsible for much of Chicago's magnificence. Actual work is to commence in February and completion is promised in four months. The huge building will be 283 feet long by 196 feet wide. The



WORK ON THE NEW
SPORTSMAN'S CLUB NEAR
CHICAGO

This million dollar layout is being built by George L. Chamberlain of Evanston. In the foreground is Mr. Dearie, architect, and Al Espinosa, managing director of the club

men's locker room will include a swimming pool.

Other features of the development will involve an outdoor swimming pool, tennis courts and a polo field. Landscaping includes the planting of 1,600 trees.

Although some of the grass is above the ground already, it is planned not to open the courses for play until the middle of July in order to give the turf a chance to mature. The fairways were planted with 150 pounds of seed per acre with a mixture consisting of 70 per cent Kentucky Blue Grass and 30 per cent *Agrostis Maritima*. The greens were planted with vegetative Metropolitan bent stolons.

The Sportsman's Golf and Country Club undoubtedly will be heard from frequently in connection with open championships.

U. S. G. A. Meeting

The Green Section committee of the United States Golf Association have arranged to hold a meeting at the Hotel Biltmore, New York City, on Friday, January 10th, 1930, at 9:30 a. m. A number of interesting papers will be read, supplemented by a report of the work of the Green Section during the past year.

"Best Greens in Cincinnati"

Mr. C. A. Rich, chairman of the Green committee of the Western Hills Country Club, Cincinnati, says: "Since 1926 when we commenced reconstruction of our course I find that we have used 17 cars of

"WINDRIFT" Hardwood Humus

"Our members say we have the best greens in the Cincinnati District."

"By using the plain humus for our top dressings I believe we have found one of our greatest economies. The ease with which it is used without at any time delaying play upon our greens has greatly increased the efficiency of our operating force as well as eliminating our former expensive compost piles."

Put a few tons of "Windrift" Humus in your 1930 Budget. Do it now.

The Ohio Humus Products Company
Box 95 London, Ohio
JAMES A. SMITH, President

Don't Forget the Birds

EACH morning I take great pleasure in feeding great flocks of birds and I am richly rewarded by their beautiful songs. I certainly enjoy their music. There is hardly a day goes by but what I have something for them, even in the summertime. In the winter I buy feed for them and take as good care as I possibly can. At the old place I had several bird houses, which are still there, and birds undoubtedly waiting for me. However, this winter I told my handy man that we would have to put up new houses here so the birds could get better acquainted with us.

I also have a great many Chinese pheasants which have multiplied so that we have anywhere from forty to fifty on our grounds. Some years ago we didn't have any, but by taking care of those that happened in, such as buying cornstalks and corn and tying these to the trees so the pheasants could get hold of the feed after the snow arrived, they must have gotten together and said, "Let's make Charlie Erickson's place our permanent home." I am really very proud of my birds.

Well, boys, I guess I have said my say, there is just one more thing and that is I wish you all a Very Merry Christmas and a Happy New Year, and I hope I will have the pleasure of seeing a great many of you in Louisville in February.

Yours very truly,

CHAS. ERICKSON,

(Greenkeeper, Minikahda Club)
Minneapolis.

Larger and Better Tees

By JOHN ANDERSON, Greenkeeper
Crestmont Golf Club, West Orange, N. J.

ON visiting some of our golf courses one is struck with the need for larger and better teeing grounds. Even on some of the championship courses, some teeing grounds are poor, mostly on short holes where the tees are much too small.

The tee ought to be at least large enough to allow the markers to be changed six or seven times without being twice in the same place. This gives the turf at least a week to recover after hard playing for one day.