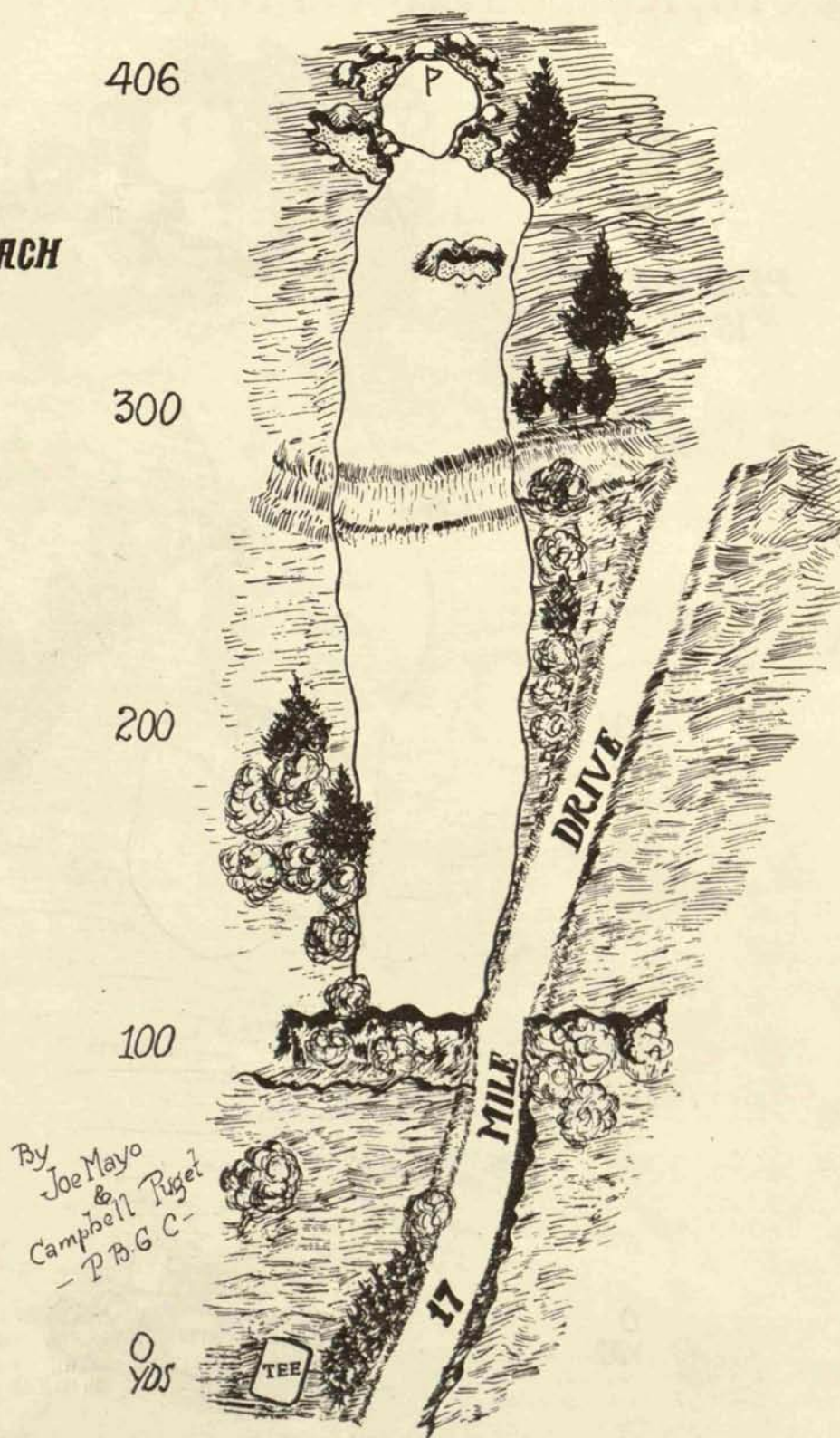


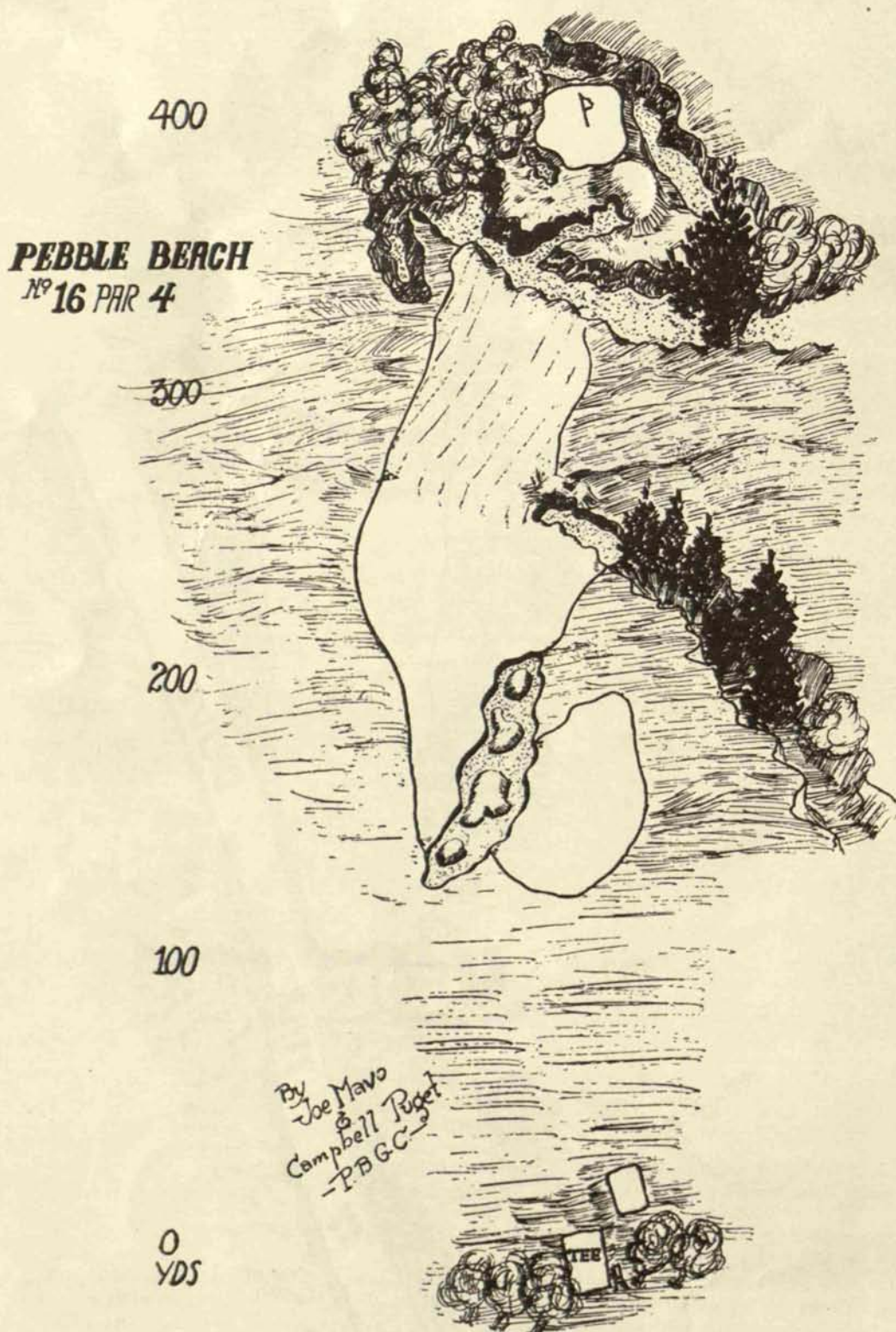
Pebble Beach—Hole By Hole

PEBBLE BEACH No. 15 PAR 4



One of the finest golf holes calling for a pulled tee shot. Out-of-bounds on right; forest on left. A deep ravine of moderate carry crosses the fairway and is apt to penalize a low tee shot. The 2nd shot is most exacting and usually calls for a midiron down to a mashie. Trapping around green, while not deep, is close.

Pebble Beach—Hole By Hole

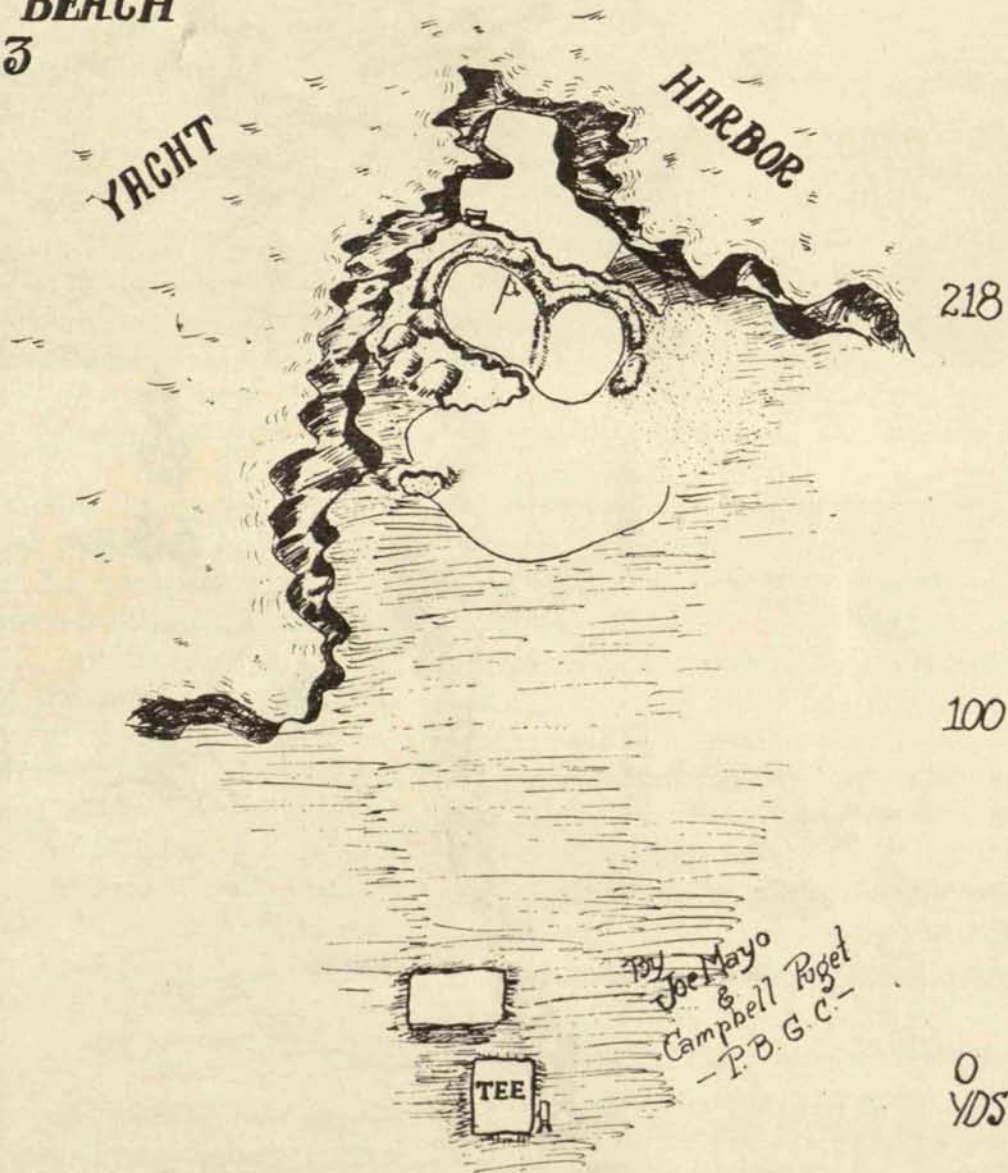


A great natural golf hole with a diagonal carry of sandy badlands. The player is forced to place his tee shot as near as possible to end of barranca on right which is the ideal location. A series of oak trees to the left combine to make the second shot more difficult; usually a 4 iron or more. This hole calls for distinct placing of shots and the natural trouble is serious.

Pebble Beach—Hole By Hole

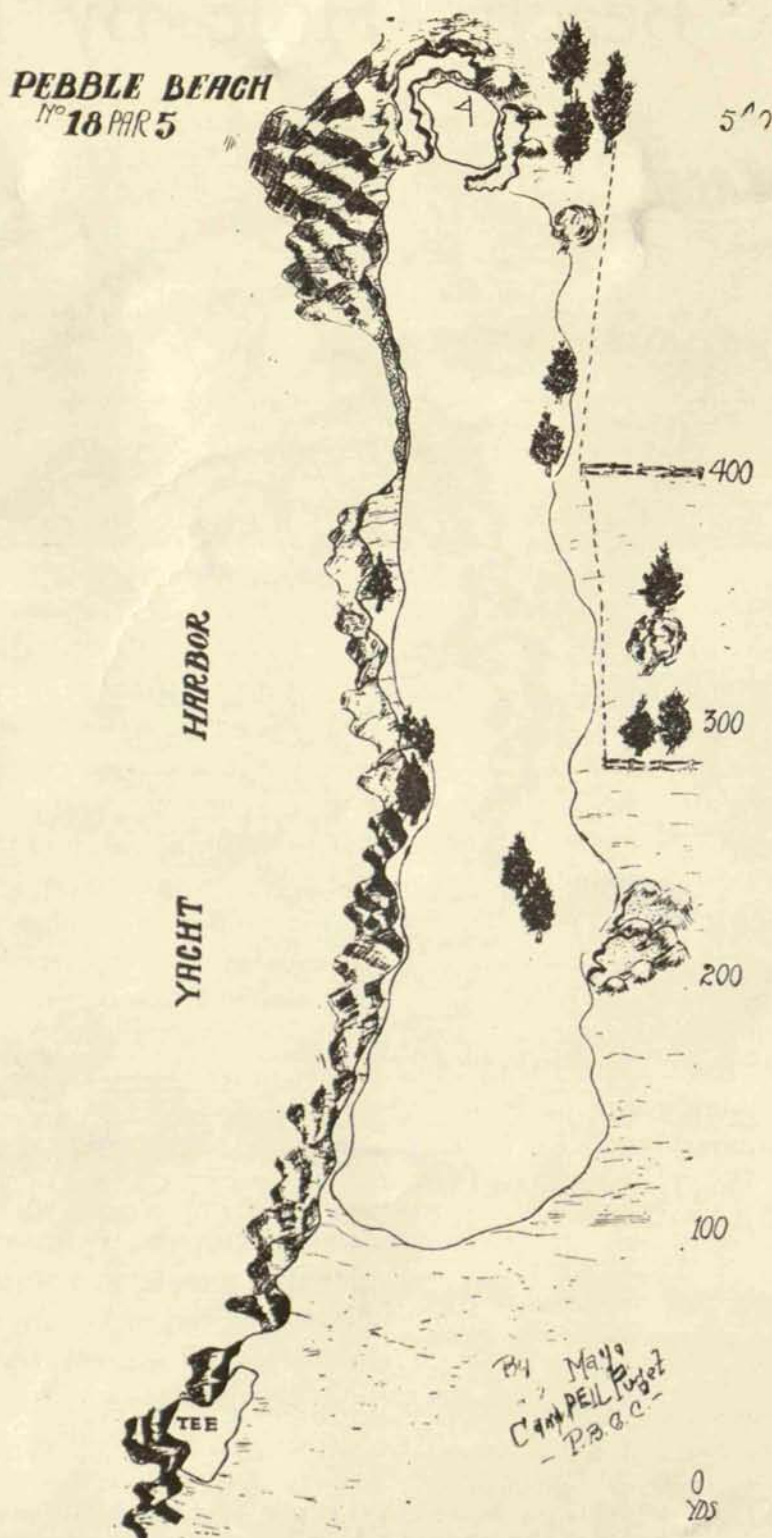
PEBBLE BEACH

No 17 PAR 3



It takes a brave golfer to play this one-shotter properly. The lay of the land tends to influence tee shot towards ocean on left. Sand dunes surround this double green at the brink of Stillwater Cove. A direct carry takes a full brassie and sometimes a driver. Some prefer to place this shot to right portion of green leaving a long undulating putt.

Pebble Beach—Hole By Hole



This most exacting 3-shotter is commonly conceded to furnish a grand finish—one of the strongest in the world. The cliffs call for a diagonal carry from the tee which has been built out on the rocks in the Pacific itself. Trees and large traps at the right force the player fairly close to the ocean's edge. The long second shot ends up in rather a narrow neck between out-of-bounds and ocean. The third is usually a mashie or more and must be accurate as the green is closely trapped. As with the preceeding shots, there is no let-up in the tension until the player has his ball safely on the green.

In 3469 yards, par 36. Total 6661 yards, par 72.

Stage Set For Louisville Show



AIRPLANE VIEW OF THE WATERFRONT AT LOUISVILLE

White arrow points to the Armory where the 4th Annual Greenkeepers' Convention and Golf Show will be held, February 4-7, 1930

THE stage is rapidly being set for the Fourth Annual Convention and Golf Show of the National Association of Greenkeepers of America to be held in Louisville, February 4-7, 1930. Fred A. Burkhardt, chairman of the Show committee will have the able assistance of the following members serving with him—Grange Alves, Cleveland, O., George Davies, Louisville, Ky., Lewis M. Evans, Philadelphia, Pa., Victor George, Lafayette, Indiana, Emil Loeffler, Oakmont, Pa., John MacGregor, Wheaton, Ill., John Morley, Youngstown, O., Walter C. Reed, Saint Louis, Mo., Captain David L. Rees, Purchase, N. Y. and Herbert E. Shave, Detroit, Mich.

The Show this year will be held in the Armory which is just across the street from the new Hotel Kentucky. Here there will be ample space for all those who wish to exhibit, and in addition the meetings of the Convention and the Conference where educational papers are read and discussed will be held in

the Armory directly adjoining the Show. Thus the entire activities will be in one large room which will make it more convenient for those who attend.

Steps are being taken to obtain reduced railroad fares, which failed last year at Buffalo because a sufficient number of greenkeepers and others did not ask for certificates when buying their railroad tickets. Last year a minimum number of two hundred and fifty registrations were required, but this year the railroad companies have made a concession and have reduced the required number to one hundred and fifty.

Manufacturers and dealers and others in the trade who wish to participate in the Louisville Show and Convention are requested to notify the chairman, Fred A. Burkhardt, 405 Caxton Building, Cleveland, O., and they will receive contract blanks and complete information with a diagram of the different spaces that have been laid out.

When your mower is sharpened on a Hardinge Lawn Mower Sharpener
it will be as sharp as when it left the maker's factory.

Write For Illustration—Particulars—Price

HENRY H. DOTY

Distributor

1133 Newport Ave.

Chicago, Illinois

FAIRWAY Water Hose



Points of Excellence

- 1—A tough, but silky brown cover.
- 2—A heavy-quality tube.
- 3—Two plies of double strand braided threads.

Ask for a sample and see for yourself how good Fairway is

R ESEARCH in the field and in the laboratory, infinite care in production and the use of only the best materials back up every Republic product. Republic mechanical rubber items are distributed through the Industrial Supply Distributor, the most direct, economical and efficient manufacturer's representative. Suppose you had to buy your stock from the manufacturers of the hundreds of products you use, see all their salesmen and record all the purchasing procedure? The distributor saves you all this trouble and expense. For better service and quality use Republic distributors.

THE REPUBLIC RUBBER CO.
Youngstown, Ohio



BELTING - HOSE - PACKING - MOLDED GOODS - LATHE CUT GOODS



5 Facts

on the latest model

PENNSYLVANIA

"New" FAIRWAY

1. The simplest gang mower (Quint or Trio) made.
2. Easier-steering, shorter-turning, quicker-handling.
3. Blades (5 in a cylinder) of finest quality crucible tool steel.
4. Quality ball or roller bearings on every moving part except the ground rollers.
5. Light-weight, yet it hugs the ground and stands the gaff with the heaviest of them.

PRICE: Quint, \$625; Trio, \$375—Both at Philadelphia.

Write for CATALOG of facts on the "New" Fairway, the Super Roller and New Aristocrat greens mowers and the other PENNSYLVANIA golf mowers.

Pennsylvania Lawn Mower Works

1645 North 23rd Street

Philadelphia, Pa.

An Educational Visit To Mid-Lothian

BY JOHN MacGREGOR

First Vice-President, The National Association of Greenkeepers of America

THREE years ago I visited the Mid-Lothian Country Club, Jack Patterson, the greenkeeper took me on a tour of the course. During our conversation I remarked to Jack that I had never seen so many worm casts on fairways, in fact, when we got to the clubhouse my feet ached. I would just as soon have walked on gravel.

Jack told me he wormed his greens two and three times a week—just think of the enormous expense of worm eradication every year. He also told me then he was experimenting with arsenate of lead.

I sympathized with him after seeing his course, and realized what he had been up against for the past six years.

I had the pleasure of visiting the same course in August this year at a meeting of the Mid-West Greenkeepers Assn. Great things had been accomplished. There was a beautiful turf on the fairways and worm casts were

conspicuous by their absence. The greens were very fine, but not a sign of a worm cast. I immediately went after Jack for information.

I might add before I carry on, that Jack Patterson had a lot of courage to attempt what he did. The greens at Mid-Lothian were seeded, and poa annua had quite a hold on both greens and fairways.

This is what I got from Jack. He talked drainage to the directors quite often before they took it seriously, but eventually a drainage system was installed. This was the first step in the program which Jack had in the back of his head. The drainage had the desired affect; it eliminated the soggy condition which previously had been the case in the spring, permitting the whole course to be opened earlier than heretofore.

Then Jack started on the next item on the program, arsenate of lead, and found this to be a more difficult subject than drainage. It

"Always Come Back"



BERT G. SHELDIN
Country Club

"I have used all kinds of humus but I always come back to Windrift hardwood humus," says Bert G. Sheldin, who has cared for the marvelous putting greens of the Country Club of Cleveland for 25 years. "I find

WINDRIFT Hardwood HUMUS

is the best for my greens and keeps them in a fine healthy condition. It's a natural and complete topdressing, easy to handle and economical."

Try It This Fall. Immediate Shipment.

Price \$6.75 per ton F. O. B. CAREY, OHIO

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

KILL Chickweed

Spray on PURFECK CHICKWEED ELIMINATOR

THE leading golf courses in America have welcomed this simple and effective method of destroying stubborn growths of Chickweed. No hand-pulling, cutting, patching or digging necessary—simply spray on PURFECK CHICKWEED ELIMINATOR and weeds, roots and all, promptly disappear. Kills the weed without hurting the grass. It's the most effective and least expensive method known. If your dealer does not carry it, use coupon below.



Send
for a
trial
can!

ADALINE CHEMICAL CO.
8 Laurel Pl., Upper Montclair, N. J.

I enclose \$1.00 for which please send me prepaid one quart can Purfeck Chickweed Eliminator.

Name _____

Street _____

City _____

State _____



Identical Tests

Gave us these Amazing Results
---Led us to This Standard

THERE is no test of drainage structures so convincing as comparative service tests. And no other drainage material will produce such enthusiastic praise as Armco Corrugated Pipe.

Unbiased comparison between alternative types of construction on the basis of service invariably leads to the adoption of the Armco Pure Iron, flexible, perforated pipe as standard.

Many men are convinced by seeing Armco drainage installations still operating perfectly after 15 or 20 years' service. Others make a decision in favor of Armco Perforated Pipe after learning that it is proof against the weight of tractors, rollers

and trucks. Still others are influenced by the knowledge that this pipe is impervious to the pressure of swelling soils and the crushing power of freezing water. It can be laid close to the surface with safety.

But when all Armco advantages are proved by actual test in the ground under actual service conditions, no further argument is needed.

Buyers of drain pipe are year by year becoming more critical . . . they have to be shown. And this attitude is steadily increasing Armco sales.

If you are one who demands evidence, why not give us the opportunity to prove up? There's no obligation . . . and your request brings the facts you're interested in.

Armco culverts and drains are manufactured from the Armco Ingot Iron of The American Rolling Mill Company and always bear its brand

Armco Culvert Manufacturers Association
Middletown, Ohio



was only through experimenting that he was finally given permission to lead the greens. The approaches were done at the same time and the result was so successful and pronounced that when one walked off the fairway on to the approach it was the same as walking on gravel and then suddenly stepping on to a carpet.

This decided the members on arsenate of lead for worms, and permission was given Jack to treat all the fairways. The amount used on the greens was 5 lbs. to 1,000 sq. ft.

Five and a half tons of arsenate of lead was used for the treatment of the fairways. There were several areas where as much as 14 lbs. per 1000 sq. ft. was used before worm eradication was complete.

The most remarkable feature of the arsenate of lead treatments was the fact that the poa annua had not been affected at all; in fact it was just as healthy as it was when I saw it three years ago. I confess I have been a little timid about using arsenate of lead, as my greens are about 70% poa annua but I will not hesitate now.

The next item on the program was the sprinkling system, which proved to be the easiest part of it. This has been installed and was operated this year.

The combined items on this program have worked out I think, even better than Jack had anticipated. It is a revelation in greenkeeping, and took more than ordinary courage to carry such a program through.

If you are not a member of your local Greenkeepers association you are missing plenty. If you are, keep your dues paid up and attend the meetings; I learn something every time I attend.

Jack is a member of the Mid-West Greenkeepers Assn., also of The N. A. G. A. He has held positions as Pro-greenkeeper, (his present position is such) but to me he is a Greenkeeper, I never think of him as a Pro.

GREENKEEPER WANTED

Experienced greenkeeper also to serve as golf professional at private club in Chicago district. State experience, references and salary wanted. Address: O. R. C., c/o The National Greenkeeper, Cleveland.

OBITUARY

JOHN McNAMARA



THE greenkeeping profession suffered a distinct loss in the death of John McNamara, greenkeeper of the Field Club of Pittsburgh, which occurred Sunday, September First.

The deceased was born October 10, 1871 in Kile, County Limerick, Ireland. He was the son of Mathew and Bridget (nee Deere) McNamara. He was educated at Bilbo National School.

He then worked on a farm until he was twenty years old. At the age of twenty he went to England and took up gardening in the following places: Covent, Park Side, Roehampton, Surrey; Coombe House, Kingston on Thames, Surrey; Raven's Court Park, Middlesex and Riverside House, Stames, Middlesex.

In 1902 he went to the Country Club of Pittsburgh where he built a 9-hole course. He was employed at the Country Club of Pittsburgh for sixteen years. In 1917 he was given a position as greenkeeper at the Pittsburgh Field Club, where he was employed until the time of his death, September 1, 1929.

He was married in 1905 to Mary Hayes who survives him and four children, John Francis, Helen Margaret, Francis J. and Mary Agnes.

John McNamara was one of the active organizers of the National Association of Greenkeepers of America, serving as vice-president for two years and holding the office of treasurer at the time of his death. He was also an active official of the Greenkeepers' Club of Pittsburgh and was keenly interested in the advancement of greenkeeping both from a practical and a scientific standpoint. Always of a quiet conservative nature he was well liked by his associates who keenly feel the loss of one of their best friends.

THE PEERLESS MOWER SHARPENER

The Peerless Lawnmower Sharpener is a wonderful but simple invention that sharpens all makes of Power and Hand Lawnmowers, scientifically—quickly—perfectly; does the work as nothing else can. It grinds a perfect bevel and clearance—no more hard-running mowers—no more pulling and tearing of turf. Operated by 1-3 H. P. Motor—attach it to your lamp socket.

Special Grinding Wheel Attachment for sharpening grass shears, sickles, scythes, axes, etc. Skate Sharpener attachment sharpens all makes of skates—including hockey. Earns money all the year 'round. Will save its cost the first season. Write for Catalog and list of users.



Hundreds of Golf Clubs, large and small, now use the Peerless Lawnmower Sharpener.

The Fate-Root-Heath Co.
925 BELL STREET
PLYMOUTH OHIO

Grass Seed Fertilizers Seeders Discers Greens Equipment Toro Equipment Grounds Equipment Rollers

When in Chicago visit our show room where you will see the largest display of equipment in the country. A Postal will bring our 1929 catalog.

J. Oliver Johnson, Inc.

World's largest golf course equipment house

Morgan Huron Superior Sts.

CHICAGO, ILL.

© Reg. JOJ Inc. 1928

THE PERFECT GOLF COURSE SPRINKLER



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)

Canadian Gossip

By J. H. EVANS

AFTER a summer which has tested the patience and the skill of the course superintendent and the greenkeeper, Canadian courses will be tucked away within a few weeks in normal condition for a northern winter with zero weather.

Nineteen twenty-nine opened early with members of clubs in central Ontario playing on permanent courses late in March—an earlier opening than for many years. The early opening was followed by a protracted spell of wet weather, then an equally long period of drought after which came some rain and another period of drought which was national in its scope, inflicting severe losses on Canada's major industry—farming.

Clay Courses Fare Best

THE conditions have favored the clay course of which there are many throughout central Canada and in the west. While sand failed to hold the moisture, the clay retained the limited amount of rainfall and it so happened that midsummer matches and tournaments when held on the courses built on clay were played under reasonably satisfactory conditions.

Toronto Course Chosen

VICE-president Sansom, of the National Greenkeepers' association, will attend the annual meeting of the association in Louisville, Ky. Mr. Sansom is engaged in the preparation of the Toronto Golf course for the Lesley Cup matches which will be held on his lay-out late in September.

Held on the course of the Canadian National railways at Jasper Park, Alberta, the annual amateur championship of Canada was a marked success. Its success occasioned a demand from golfers who took part in the tournament for another championship at an

REFINED GRASS SEED AND COMPLETE EQUIPMENT FOR GOLF COURSES

Send for Catalog and Grass Seed Price List

Distributors
Worthington Mowing Equipment
Nu-Green Semesan

AMERICAN SEED COMPANY
DETROIT, MICH.

"Quality Grass Seed for a Quarter Century"

early date on the same course. The condition of the course, well-nigh perfect at a time when the great grain growing areas were in the midst of a drought, and the unbounded hospitality of the railways were the factors which gave rise to the demand for another championship in the West.

Echoes From Pomonok

By ELMER F. AFFELDT, Greenkeeper

Glen Oaks Golf and Country Club, Great Neck, L. I.

THE facts regarding the match for the Metropolitan Professional Golfers championship at the Pomonok Country Club, Flushing, L. I., when Walter Kazak an unknown youngster trimmed Gene Sarazen in the semi-finals, and on the following day took that stalwart foe Joe Turnesa for the count, has well been told by sports writers in their respective columns.

But the truth of the matter is the man won who could PUTT! It is seldom that a truer surface has ever been offered to golfers in a local championship, and they were just as good the day of the final match as they were when the qualifying round was played.

This condition of the greens was exceptional when the weather conditions for the past three months in the Metropolitan District are considered, therefore we must infer that William Joy, the greenkeeper must have spent

(Concluded on page 34)

MILORGANITE THE IDEAL TURF FERTILIZER

For further information address

SEWERAGE COMMISSION

508 Market Street

Milwaukee, Wis.

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