Pasatiempo, where all the fairway watering can be done by one man.

A still more difficult problem is the effect of water used on the vegetation.

I have searched the bulletins of the Green section of the USGA and other resources but I can find little written on the subject. What the influence is from the enormous quantity of salt deposited on land from the growth of the different varieties of fescues, *agrostes*, *poas*, clover, weeds must also be considered. There can be little doubt that soft water derived from the peaty soils is the most favorable to the growth of the finer golfing grasses and the most effective in discouraging the growth of weeds.

At one time I thought it might be possible to put sulphate of ammonia or other chemicals into the water tanks, but found this was impracticable owing to expense and sundry other reasons.

It may be that I am attaching too much importance to the effects of salts in irrigation water, it is possible that all or most of the salts are washed down into the subsoil without having much influence on the roots of the grasses and that they would only have an effect if the water was more highly concentrated. It would be of great interest if the Green Section would make further investigations on the influence of varying water supply on grasses and weeds.

**Disease Treatment**

Diseases of grasses are usually due to one of two causes, fungi or insects. The treatment consists in prevention and the use of poisons which will destroy the pests without injuring the grasses.

Prevention can often be obtained by sowing seed or planting stolons of grasses which are more resisting than others and also by using great discretion in fertilizing.

An excess of sulphate of ammonia may create a greater tendency to brown patch. Too much or too little water or the wrong kind of water may also tend to produce disease.

Fungi and even weed seeds may be carried on the boots of golfers. In England I knew a man, a member of the Brancaster GC, who told me that previous to joining it he never had any Brancaster weed (star plantain) in his garden. After playing golf at Brancaster it was his habit to walk across his lawn in his golf shoes. Along the whole length of his tracks a crop of Brancaster weed appeared.

At Pasatiempo we have reduced the cost of maintenance from $24,000 to $12,000 in
two years and now we are sinking our own wells and hope to reduce the cost to $10,000 a year or less and I think all of you will agree that the condition of Pasa-tiempo compares favorably with any golf course on the Pacific Coast. I cannot emphasize too strongly the importance of economy in golf course maintenance. This is of special importance in these days of depression. It may be argued that it is economizing, men may be put out of a job, but the chief thing to remember is that unless we get cheaper golf there will be no new golf courses and existing ones may bankrupt and then everyone will be out of a job.

It must also be remembered that in getting cheaper maintenance men have more time available to carry out improvements on golf courses with a view of making them more pleasurable, popular and attractive to new members and so increasing green-fees. In this way every club would prove more prosperous. Popularity and financial prosperity are the acid tests of a good golf course.

I wish to again emphasize the value of greenkeepers to the health, the happiness and I believe, the prosperity of the community.

Some years ago I was making a golf course which was financed by an old man, not himself a golfer. I was curious to know why he of all people had financed the construction of this course, so I asked him. He said, “During the War 12 of my clerks took up golf and they became so much more mentally alert and of so much greater value to me that I decided that golf had a great influence on the prosperity of the world and I determined to promote it to the fullest extent of my power.”

Most people are agreed that golf promotes health and happiness but few realize the extent to which it promotes prosperity.

Golf and other games are also of great value in preserving the peace of the world. If the German energies had been devoted to games instead of the sport for training for war I doubt if the great World War would have taken place.

It would be a great thing if millionaires would leave their millions for the purpose of encouraging playing fields. It would certainly keep many people out of hospital.

---

Here’s the All-American Team for Fairways

**TRACTOR**

Ford model B engine, enclosed double reduction gears, no exposed parts—sturdy—flexible—light—it’s the most economical tractor of its type ever designed.

**MULTIGANG**

Patented indestructible “V” fly knife reel—finger adjustment—demountable steel rims with ground wheel calks give perfect traction in both fairway and rough. Here’s maximum mowing mileage and operating economy.

---

**THE LAWN TRACTOR AND CONVERTIBLE MULTIGANG CUTS A 16-FT. SWATH**

Both the MULTIGANG and the Lawn Tractor are the last word in fairway mowing machinery. A team that is setting the highest standards of turf maintenance and new low records for upkeep of hundreds of America’s finest courses.

Write for descriptive literature and price list.

**WORTHINGTON MOWER COMPANY**

Offices in Principal Cities STROUDSBURG, PENNA.
Picked Up in the Rough
(Continued from page 12)

ka, Manhattan, or even Kansas City, Mo.,
depending on how large an area our or-
ganization covers.

"Here is hoping we fellows can get to-
gether at least once a year. Besides hav-
ing a good time, perhaps we can learn
a few tricks from one another."

If you know a one-armed golfer living
reasonably near to Kansas, tell him of Mr.
Junk's plan.

**

Herman Hahn, who is serving his
26th year as assistant at the Wood-
mont CC, Milwaukee, is the veteran of the
country's assistants. Herman started with
the club. He has served under five pros.
"Doc" Treacy, pro at Woodmont, says
of Herman:

"He knows most of the members better
than they know themselves. I never have
known him to make a mistake. When he
comes into the shop you know it is 8:15,
rain or shine.

"He sees that the members' equipment
is kept in fine condition and even though
the club is a small and exclusive one, he
has plenty to do, showing that a first class
assistant is essential to a pro and a club."

**

Wally Chamberlain, pro at Binks'
links, big driving range on the north
side of Chicago, successfully adopted an
idea from the night clubs. Wallie put on
a "Celebrity Night" during which a num-
ber of prominent Chicago district pros and
amateurs appeared and drove balls.

The idea not only attracted a large
crowd but helped to put across good prop-
aganda for pro instruction.

**

Mr. Wesley Hayles, whose address
is Gen. Del., Atmore, Ala., suggests to
the editor of Golfing something that shows
how hope burns brightly in the bosom of
the golf enthusiast.

Writes Hayles:

"I am writing to ask you if you will
please help us to get our A. A. P. golf

Domestic Peat HUMUS
Pure organic material, ideal for soil improve-
ment purposes. Complies with U. S. Govt.
Specifications—available in finely fibrous or
coarse form. Tell us your requirements. Ship-
ment by bag, truck or carlot units.

HYPER-HUMUS CO. of Newton, N. J.
Main Office, Morris Bldg., Philadelpia, Pa.

BROWN PATCH
AGAIN! THEY HAVE
TO EXPECT IT IF
THEY STOP TREATING
GREENS JUST BECAUSE
IT'S SEPTEMBER!

Autumn is just like midsummer to
brown patch. As long as weather
stays hot and humid, brown patch
still is a threat to healthy turf.

Most greenkeepers realize how
dangerous it is to stop brown
patch treatment too early in
September. So they keep on
using Semesan or Nu-Green—
the two standard brown patch
fungicides—until all risk of
injury is past.

Semesan prevents and con-
trols brown patch under all conditions, but is
recommended for turf that is normally fertile.
Nu-Green—equally effective but with the
added quality of stimulating
grass growth—is advised where
soil fertility is lower.

For free prevention booklet
on brown patch and snow
mold, write to Bayer-Semesan
Company, Inc., Du Pont Bldg.,
Wilmington, Del.

25 lbs. $ 46.25
100 lbs. 180.00
300 lbs. 525.00

from any seedsman or golf supply house
BROWN PATCH HAS NO CHANCE ON FUNGOL GREENS

Take Advantage of this Double Duty Product — Learn About Big Covering Capacity of FUNGOL

We have some interesting data to send you. Write us today for free literature concerning FUNGOL, the two-in-one Fungicide and Vermicide, for prevention and control of Brown Patch and eradication of grubs, beetles, sod webworms, and earthworms from your Greens.

You can handle the Brown Patch situation quicker and easier with FUNGOL than any other preparation.

The extra large covering capacity of FUNGOL makes it most valuable and economical. Each pound sufficient to treat 3,500 square feet of Green.

Send now for complete details, free record charts and testing samples of FUNGOL and VEG-E-TONIC.

McCLAIN BROTHERS COMPANY
127 Second Street, Canton, Ohio

The Butchart-Nicholls Company
Golf Craftsmen
Golf Clubs, Bags and Balls
Main Office and Factory
NEWARK, OHIO, U. S. A.

NEW! PYRATONE HEAD

We've just perfected the NEW Pyratone Head made of TEMP-URD-Wood with Catatone finish, that is live and hard and impervious to moisture. It will easily drive a ball 25 to 50 yards further.

Besides the new Pyratone Head and the world-famous Pyratone Sheath and Torsional Grip, you may now obtain from us Caps and Whipping Collars, Ferrules and Faces and Back Weights made of Catatone or Pyroxylin.

Write at Once for FREE Introductory Offer PYRATONE PRODUCTS CORP.
309-319 St. Johns' Court - Chicago, Ill.

course up in better times by giving us some second-hand clubs or some clubs that you can spare.

"I am president of our club and we have 14 members and if you send us some clubs we hope to have 2 times that many.

"We will advertise your products as much as we can and we are planning on buying some clubs in about 6 months and when we buy you will be the man that gets our trade if we get any clubs from you."

Things ought to be better in the golf business "in about 6 months" when Wesley and the other members of the A. A. P. golf club come into the market.

THERE is one good sign that the depression in the golf business is on the way out. During the last two months there have been a large number of small town requests for "The Golf Club Organizers Handbook" and some from larger cities.

This is the promotion book financed by the Club and Ball Manufacturers associations. It is sent free to those wanting to start golf clubs.

One of the copies went to Pablo Homes, a Spanish businessman who is prominent in International Rotary. Senor Homes is responsible for the construction of several new courses in Spain.

INCREASES IN food prices were reflected in the announcement of numerous clubs that prices for meals were increased August 1.

Failure to raise the prices in club restaurants in keeping with greater food costs is going to show some house deficits that can't be dodged.

GOLFMING for August commented on certain hoodlums who play good golf. One of the fellows referred to was picked out of the field at the Western Open on a vagrancy charge. They had better not get too tough with these vagrancy charges or they will cut down the fields.

The pros can point to visible and honorable means of support. And you must say
for Jack McGurn, the machine-gunning amateur, that he has guts enough to get his money by incurring some risk, other than that of losing his amateur standing.

* * *

**BUT THERE** are plenty of law and order golfers left. There is a young lawyer named Jones at Atlanta, who is not bad. Bert Meyering, former pro at South Bend, has a brother Bill who is sheriff of Cook County, Ill. Bill lost an arm in the war but he can shoot a decent score with his remaining wing.

Lew Waldron, who had been doing a good job of pro-ing for these heaven-knows-how-many years, nominated Ray Potts, sheriff of Summitt County, Ohio, as the ace of golfing coppers. Lew says Potts, who has only played two years, performs consistently in the low seventies. Potts was one of the amateur threats in the Akron district Open.

Waldron says he will take Potts to shoot it out with any kind of irons against any of the public enemies.

* * *

A **NOTHER** stunt in August *Golfing* went over so well that it will be continued early next year with some great dope from Al Lesperance, Joe Novak, Harold Sampson, Charley Hall, Craig Wood, Ernest Jones, and others received too late for the last issue of *Golfing* for 1933.

This idea was asking star pro instructors what they would tell a pupil if they had only one minute to give a lesson that would last a lifetime.

The notion was to get across the idea that people shouldn’t be scared away from golf by all the talk that the game is so terribly difficult that it takes years for anyone to master it to even a limited extent.

That idea of the horribly complex nature of golf has scared away more people than is good for pro business. The sooner the pros give the public the idea that golf can be learned right from a competent man in an easy enough way to enjoy, without arousing championship aspiration, the sooner the pro lesson business will increase.
ROSEMAN STANDARD FIVE-GANG MOWER REDUCED $155
Write for literature describing the most modern of fairway mowers
ROSEMAN TRACTOR MOWER COMPANY

11 West 42nd Street,
New York City

800 Davis Street,
Evanston, Ill.

PHOENIX RED TIP TRACTOR SPUDS
Extra Long Service
Made of a special analysis steel, hardened by the latest scientific heat treating methods. Sizes from 3/8 in. to 7/8 in. Also Mower Spuds. Inquiries invited.
PHOENIX MANUFACTURING COMPANY
Joliet, Ill. • Cafasauqua, Pa

WHAT MANUFACTURERS SAY

MACGREGOR INTRODUCES NEW WHIPPY SHAFT MODELS

Dayton, Ohio—Crawford, McGregor and Canby Co. has added "whippy-shafted" clubs to its line. Of these clubs, Ed Canby II, vice-president, says:

"Almost over night demand has developed for clubs having extra whippy shafts. We have taken steps to meet this, but experience has taught us not to adopt any new idea blindly. Our engineering department first tackled the whole problem very thoroughly, analyzing it from the theoretical, "drawing board" angle. Then we took the problem to our own "proving ground"—the MacGregor golf course—and put it through a practical test under actual playing conditions.

"Results of our experiments are the new 'TRU-WHIP' woods and irons. And they are just what the name implies—they have the true amount of whip, avoiding extremes. In designing a set of clubs embodying this whippy shaft feature, we have not lost sight of certain fundamentals which must be present in each individual club to make it worthy of being called a golf club. To take an extremely whippy shaft and use it right down thru all the woods and irons is a fatal mistake. It violates principles which have been proved and acknowledged since golf was in its infancy.

"What we have done, therefore, in this 'TRU-WHIP' Model is to utilize shafts of various degrees of whip. The amount of whip is graduated so that each club will be able to successfully perform the job for which it has been designed. In other
Buy Wisely, Buy Well……

Tear out this page, check the listed items your club is about to buy and mail the page to GOLFDOM. We will request leading manufacturers of each item to send you complete information and prices. Mail to GOLFDOM, 14 E. Jackson Blvd., Chicago.

Announcement boards
Ant eradicators
Arsenate of lead
Archery supplies
Bags—canvas, leather
Bag racks, tee
Balls—what price?
Ball markers
Ball washers
Bar equipment
Barrel pumps
Bath slippers—paper, rubber, wood
Bath towels
Beer bars—fixed, portable
Benches—locker, tee
Bent stolons
Bird houses
Bookkeeping systems
Brown-patch preventives
Buffing motors, supplies
Caddie badges
Caddie time-clocks
Caddie uniforms
Calks—(for golf shoes)
Cane Seats
Caps
Charcoal
Chickweed eradicators
Clothes dryers
Clubs—irons, putters, women’s, wood, matched sets
Club racks
Compost distributors
Compost mixers
Deodorants
Dishwashers
Disinfectants
Drinking fountains
Dump carts
Electric systems
Fencing
Fertilizers
Fertilizer distributors
Flags, flag poles
Flood lights
Fly and insect sprays

Furniture—clubhouse, lawn, porch, grounds
Gloves
Ginger ale
Grip Lotion—for hands
Handicap cards, racks
Health scales
Hole cutters, rims
Hose—water
Hose boxes, underground
Hosery
Humus
Hydraulic mixers
Insecticides
Kitchen equipment
Knickers—linen, wool
Laundry equipment
Lawn sweepers
Leather Jackets
Linens
Lockers
Mineral waters
Mole traps, poisons
Movie cameras, projectors
Mowers—green, fairway, tee, rough
Mower blades
Mower sharpeners
Peats
Pipe—drain, water
Playground equipment
Practice balls—knit, rubber
Practice driving devices
Practice nets
Practice putting devices
Prizes, trophies
Pumps
Putting cups
Rain jackets
Rollers—fairway, green, spiked
Rugs
Runners—corridors, locker
Score cards
Score card pencils
Scythes—motor driven

Seed—fairway, green
Seeders
Shafts—hickory, steel
Shelters, course
Shoes
Shoe trees
Showers
Shower nozzles
Shrubs, trees
Silverware
Soap—bath, flakes, laundry
Sockets
Sod cutters
Soda fountains
Soil screeners
Soil shredders
Soil sterilizing equipment
Sprayers—power, hand
Spike dises
Sprinklers
Sprinkling carts
Sweaters
Swimming pools
Tags, tickets
Tanks
Tea room equipment
Tees—wood, celluloid
Tee boxes
Tee data-plates
Tee markers
Tee mats—cocoa, rubber
Tee umbrellas
Tennis court equipment
Tractors
Tractor wheels, wheel spuds
Uniforms—waiters’, maids’, caddies’, bus-boys’
Water coolers
Water softeners
Water systems
Water system engineer
Weed killers
Worm eradicators

Club
By
Position
Address
Date…………………………………………………………………………1933.
"NO OFFICIAL . . . . . . . . . . . .

... with grounds, clubhouse or pro-shop duties should be without GOLFDOM every month". So, in substance, read scores of letters in our files. And we thoroughly agree!

If any of the officials listed below are not getting GOLFDOM at your club, please send us their names by filling in this page, tearing it out and mailing to GOLFDOM, 14 East Jackson Blvd., Chicago.

This is especially important if YOUR club has recently held an election. We want the new officials to begin receiving GOLFDOM immediately!

Please PRINT plainly. Home or business addresses preferred.

President .........................................................................................................................
Address ...............................................................................................................................  

Greenchairman .....................................................................................................................
Address ...............................................................................................................................  

Manager .............................................................................................................................
Address ...............................................................................................................................  

Professional .........................................................................................................................
Address ...............................................................................................................................  

Greenkeeper .........................................................................................................................
Address ...............................................................................................................................  

CLUB .................................................................................................................................
TOWN ..............................................................................................................................
STATE ...............................................................................................................................  

NUMBER OF HOLES .................................................................................. IS COURSE PRIVATE, DAILY FEE or MUNICIPAL? .........................
words, there is a gradual stiffening of the shafts from the midiron thru the niblick. "Woods are plain faced, and irons have mild steel chrome plated heads. Both woods and irons are fitted with patented Neutralizer."

**HOME PRODUCT TALKS TO TOURNEY GUESTS**

Milwaukee, Wisc.—During the PGA championship at Milwaukee the above advertising sign was erected by the Milwaukee Sewerage commission on the Blue Mound Country club course.

Highly favorable comment was made by the players and galleries on the condition of the course. The Sewerage commission, one of the most ably run of American municipal enterprises, told the taxpayers that the local product plays an important part in bringing championship courses into fine conditions.

**HAGEN SALESMEN MEET TO EXAMINE 1934 LINE**

Detroit, Mich.—An enthusiastic meeting of the L. A. Young Golf Co.'s sales force was held in Detroit July 27th, 28th and 29th. Reports by the various men from all sections showed a definite improvement in golf merchandise selling and further in—

(Continued on page 31)

**SAVE** for your club by purchasing acclimated, winter-hardy BENT GRASS SEED

Direct from the farms where it is grown by A. N. PECKHAM, Kingston, R. I.

Also Fairway Mixtures

**The “Good Old Days” are here again—why not renew all your Tee Equipment with**

LEWIS WASHERS

$2.00 each in 1 to 10 lots $3.00 each in 11 to 20 lots

Bag Back $4.75 Tee Dats Plats. $1.50
Tee Ensemble—lots of 1 to 10 $10.00
—lots of 11 or more $9.50

G. B. LEWIS CO.

Shoering Parion of Tee Ensemble

**McWANE CAST IRON PIPE CO.**

**BIRMINGHAM, ALABAMA**

Manufacturers of Bell and Spigot type CAST IRON PIPE with or without Precalked Joints

Manufacturers of cast iron pipe for golf course irrigation systems.

Screw Joints and B & S pre-calked B & S lead joints.

Complete job can be fabricated and marked for installation in accordance with your engineer's plans.

Sizes 1½ through 12 Inches.

SALES OFFICES

NEW YORK 333 N. Michigan Ave.

40 Exchange Place

**DIAMOND TRACTOR SPUD**

Hard steel center keeps spud sharp—softer outer steel wears away faster. Will not harm turf—made of drop forged steel, can't break or chip.

Diamond Calk Horseshoe Co.

4702 Grand Ave., Duluth, Minn.

**SCORE CARDS Took Their Fourth Cut for 1933!**

Each of our five styles at new lows with prices ranging from $18 to $30 for 5,000 quantities.

Samples on request to all clubs

JOHN H. VESTAL CO., PRINTERS

703 South La Salle Street - Chicago
Young professional, desirous of making a change from present position, would like to make connections with some moderate sized club, preferably where golf is a year-round proposition. Have held present position for the past five years. Age twenty-four and married. Best reference as to character and ability. Address: Ad 2007, % Golfdom, Chicago.


Greenkeeper with 15 years' successful experience on 4 courses, would like to make a change. Am very-dependable and good mechanic. Can furnish best of reference. Middle West preferred. Address: Ad 2005, % Golfdom, Chicago.

Prominent, veteran professional who is expert greenkeeper, wants new location for 1934. 43 years old, with fine record of continued service and advancement at leading clubs. Stays right on the job and develops number interest and playing ability. Also available for winter position in the South. Address: Ad 1905, % Golfdom, Chicago.

Manager—46 years of age with over 20 years' experience in Chicago district, is seeking new connection. Thorough knowledge of every branch of club work including auditing. Highest references. Address: Ad 1900, % Golfdom, Chicago.

Unusual couple of proven ability, character and business integrity, would like to take over management of club and professional duties. Are thoroughly familiar with all phases of club life and work, while professional's reputation as tutor is of the highest ranking. Will go anywhere on very reasonable terms. Address: Ad 2004, % Golfdom, Chicago.