

line. Irons and woods will be offered in three shaft flexes. The clubs will be sold through golf professionals only and will be available for delivery shortly after January 1st.

FAWICK FLEXI-GRIP CO., Akron, O.—Golf-Pride molded grip will be featured on 1950 top quality lines of several well known manufacturers. This "two-way vacuum grip" is rubber composition and is cured directly to the shaft. It is uniform in weight and stays tight on the shaft. It eliminates end caps and wooden plugs in shafts. Molding of Golf-Pride grips as replacements on clubs is handled for pros by Kosar's Golf Development Laboratory, Cuyahoga Falls, O.

KOSAR'S GOLF DEVELOPMENT LABORATORY, Cuyahoga Falls, O.—New lines of driving range clubs and putters, and a new long-wearing range tee. Other range equipment is being developed.

FRIEND MFG. CO., Gasport, N.Y.—High and low pressure spraying equipment of a wide range of capacities will headline the Friend line of golf course equipment for 1950. For courses not requiring larger sprayers Friend has its model OX which delivers 3½ to 4 gal. per minute in either the 50 gal. cart size or the 100 gal. engine trailer type. This model has completely enclosed pump and all other features of Friend's largest high pressure sprayers and can be used for spraying greens at high pressure or weed control on fairway or rough at low pressure. Other equipment of 6 GPM, 12 GPM, 15 GPM and 25 GPM are available. A pressure control is provided on all Friend sprayers enabling quick change from high to low pressure or vice versa.

E. E. TAYLOR CORP., Boston, Mass.—We will feature in our 1950 Stroke-Master golf shoe line a Continental type last, fully leather lined, with double soles and Phillips spikes. These shoes will be stocked in all brown calfskin, and also the same shoe will be featured in brown calfskin with a white buck plug.

We also are featuring a moccasin golf shoe with a handsewn fore-part, with waterproof Vinylite sole. This shoe is made two ways, in a rich all brown leather shoe and brown with a white

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America's most beautiful
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HARDWOOD FLAG POLES

Made of the finest, kiln dried, second growth, tough White Ash. Tapered from approximately 1" at bottom to ¾" at top, and fitted with flanged aluminum ferrules to fit standard 1½" cup. Sanded finish with prime coat of lead and oil and finished coat of finest white enamel. Available in 2 or 3 color combinations. Immediate delivery.

Your inquiries and orders will be referred to a nearby distributor.

LEAVITT CORP. EST. 1895 URBANA, ILL.

Builders of "Knockdown" bleachers for all sports



EXPANDED EQUIPMENT LINE ANNOUNCED BY MacGREGOR

Several announcements which indicate an expanded line of golf equipment to be made available through pro shops during the 1950 season were made by the MacGregor Golf Co. at its recent annual sales meeting in Cincinnati. Henry Cowen, pres. of the company, stated that for the second consecutive year production and sales for the MacGregor Golf Co. hit an all-time high. Executives and staff members attending the recent 1949 Sales Convention are as follows: Bottom row, (L. to R.): Ock Willoweit, Dayton, Ohio; Cy Vail, Leesburg, Ind.; Wm. A. Koegel, MacGregor executive; Craig Wood, MacGregor staff member; Henry P. Cowen, president of MacGregor Golf Company; Toney Penna, member of MacGregor staff; Tom Robbins, New York City; Robert D. Rickey, MacGregor executive; Johnny Walker, Kansas City, Mo.; and Jack Garrett, Greensboro, N. C. Second row, (L. to R.): Elwyn Nagell, Williamsville, N. Y.; Harold Peterson, Los Angeles, Calif.; Paul Hargrave, Dallas, Texas; Robert Lysaght, MacGregor executive; Cliff Eibe, Birmingham, Mich.; Gus Novotny, Atlanta, Ga.; Bill Meehan, Philadelphia, Pa.; Jim Scott, San Francisco, Calif.; Stan Hobbs, Boston, Mass.; and Jim Shriver, Seattle, Wash. Rear row, (L. to R.): Wm. A. Schnelle and Howard Wilkins, MacGregor executives; Harry Adams, Chicago, Ill.; R. E. Thompson, president of Tufhorse Company; Pete Bullis, Chicago, Ill.; Jerry Glynn, MacGregor staff member; Pete Robbins, N.Y. City; and Leon Nelson, MacGregor executive.

plug. The Vinylite sole has been proven very successful, and is something that the pro should be pleased to sell his members.

For utility golf wear we are featuring a brown moccasin with a red lug sole. It is also our plan to have moccasins with handsewn fore-parts in all brown, and a brown and white, for women. These all have our unusual hand-sewn fore-parts. They will be easy fitting with comfortable Moccasin fore-parts, and no counters.

In addition to our Stroke-Master golf shoes for pros only, we are featuring Stroke-Master moccasins for men and women, and particularly men's and women's Stroke-Master genuine white buck moccasins.

Our Stock department will be ample so that pros can carry a minimum stock and depend upon us for fill-in orders promptly.

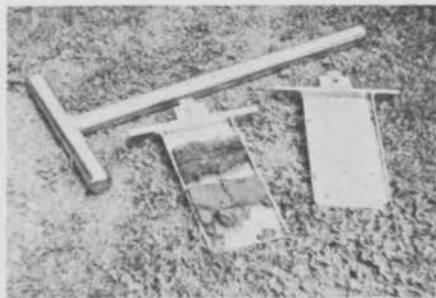
Our golf shoes will retail from \$12.95 to \$16.95 in our men's line and will offer the pro a 40% mark-up. Our women's shoes will sell at \$12.95 and also enable him to make 40%. Our Men's Stroke-

Master moccasins will sell at \$10.95 and \$12.95. Our women's Stroke-Master moccasins will retail at \$8.95, and both men's and women's lines will enable the pro to make 40%.

It is our opinion that by carrying a minimum stock, and filling in regularly on Stroke-Master golf shoes and moccasins, a Pro will add many dollars, and additional profits, and sell his members extra pairs by having an opportunity to carry both the golf shoe and moccasin. By featuring moccasins the pro can obtain extra pairs of shoes in volume that he has not had the opportunity to gain in the past.

BUCKNER MFG. CO., Fresno, Calif.—“Scotty” Stewart, Buckner sales engineer in central section, reports considerable work in course irrigation construction and planning due to availability of pipe. Stewart says Buckner jobs are approximating \$2,000 a hole installed, unless expensive water supply and pumping costs must be figured. In some cases

NOER SOIL PROFILE SAMPLER



Take soil samples to find out the causes for poor turf and to check results of your improvement program. Take samples after watering greens to find out if water penetration has been adequate. The soil sample is seven inches deep. Cutting shell opens up so the soil is completely visible. The sample can be slipped back into place in the green after examination.

*West Point Lawn Products
West Point, Pa.*

costs are cut by properly engineered use of local facilities.

KROYDON CO., Maplewood, N. J.—Frank Mitchell, sales mgr., says advance orders are well ahead of 1948 fall bookings of the Kroydon line. The 1950 line shows only three models of irons all at lower prices than last year, varying from 50 cents to \$1 per club. "Muscle Back" feature of Kroydon irons made more pronounced in 1950 line. Blade considerable thicker behind hitting zone. All irons will have alloy fusing and rivet construction.

In wood clubs Kroydon will have nine models in 1950 instead of 12 as in 1949. All wood design and trim entirely new. Persimmon and laminated heads and three shafts—straight taper, Hy-Power and Hy Test—will be featured. New face inserts and sole plates add to distinction and beauty. Prices of woods reduced as much as \$1.50 a club. New Golf-Pride rubber and cork clubs which were tested with high satisfaction in 1948 and '49 are standard equipment on several Kroydon 1950 models. Nylon in bright colors, along with canvas and leather, in Kroydon 1950 bag line. Several individual club compartment bags at popular prices.

Mitchell says that despite some pro shops having fairly heavy inventory this fall he sees no decline in golf market but steady increase. Some store featuring of 'distress' and abandoned models of golf merchandise and prospects of that cut-price competition for pro in 1950, but Mitchell observes that pro merchants have learned how to meet this competition with his superior knowledge of golf, closer contact with members and reliance on his own resourcefulness in quickly adjusting his own selling operations to competitive conditions. Mitchell has been making the full swing from east coast to Kroydon salesmen and distributors on the west coast and the company's LA branch.

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Stolons and Sod. Washington — Cl — and other recommended strains.

HIRAM F. GODWIN

22366 Grand River Ave., Detroit 19, Mich.

A. G. SPALDING & BROS. INC.,
Chicopee, Mass.—Announces as features of their 1950 line new Registered "Top-Flite" Tournament Model woods featuring new pro model heads—keystone shape face insert—straight line face scoring—power weighted—chrome plated, True Temper "Dynamic" stepped shaft.

Registered "Top-Flite" Tournament Model woods (laminated heads) with laminations in fewer layers than previously and laid-in differently for a stronger club head.

Spalding All-Service grips with ridge which are made of a fabric covering with a rubber and cork foundation and having the form grip feature. Available in Registered "Top-Flite" Tournament Model woods and irons; and on the Dynamiter and pitching wedge auxiliaries. The new Dynamiter has less offset than previously. Mild stainless steel head, satin finish—straight line face scoring—thread assembly.

Spalding also has perfected a new method for assembly of wood heads and shafts which eliminate any possible loosening of the head from the shaft. Spalding also has in its 1950 array: New Jones model woods with deep face driver in registered sets, Jones registered irons with flange and sole line improved in appearance and playability—shorter hosels—compact blades, and new Marilyn Smith registered woods and irons designed to appeal to the feminine eye as well as the feminine swing. Another new line expected to sell very well in pro shops are the new Junior Model "Sure-Flite" woods and irons designed especially for young players.

Jimmy Thomson registered woods for power-seeking players again will be featured. The driver has a deep face design for more power off the tee. Available in persimmon or laminated heads.

JACKMAN SPORTSWEAR CO. INC.,
Oak Park, Ill.—Jackman's 1950 line will

feature 100% spun nylon shirts, sweaters, English rib pussyfoot and argyle hose. All these nylon items are washable, will not shrink, require no ironing and wear at least ten times as long as wool. They are priced moderately. Jackman also will have a full finger glove with feather weight leather palm and nylon back and will carry nylon golf bags both in tubular and regular styles.

Ren Smith, Jackman pres., says: "We feel that 1950 will be another great year for golf. People are becoming more and more golf minded due to the fact that it is a game for all ages, it provides mild exercise, so vital in these days of stress and strain.

"I think most pros could increase their shop sales by opening their shops earlier in the season and by keeping them open later in the fall. Many golfers need only a little incentive to lengthen their playing season and if the pro will use a little imagination he can bring this about thus increasing his sales potential."

HILLERICH & BRADSBY CO. INC.,
Louisville, Ky.—Louisville Power-Bilt line will have several new selling points as well as additional models to aid in pro merchandising during the 1950 season, according to Bill Kaiser, vp and pro sales mgr. of the H & B Co. The Power-Bilt line will feature lustrous and durable finishes on the genuine air-dried persimmon wood heads with harmonizing in color face inserts. A change in the material of the inserts has been made with plastic and fibre solid pieces being used in place of laminated inserts used in the past. Shafts by True Temper. Golf Pride grip is on the new line. Equipping of some ladies' models in the Power-Bilt line with this grip will be an innovation for 1950. Fine leather grips will also be used in the line.

Hydra honing, a process of using water to give a satin finish to the face of the irons, will be continued in the two-toning

PROS Specify this immeasurably improved Grip on your orders to factories.

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**NEW PARK
ALL WEATHER
REGULAR Golf Grip**

Black or Red



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ALL WEATHER
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Black or Red

Order from your supplier or write

L.A. PROCESSING CO.

801 Milford St.

Glendale 3, Calif.

of stainless steel and chrome plated heads.

Three more special putter models have been added for 1950 with the possibility of others to be developed as the season progresses. Among the special clubs to be featured are a men's supercleek, a ladies' supercleek, a flipper and a chipper iron.

Lefthanded golfers can be accommodated with choice of two men's wood models, two men's iron models and one ladies' wood and iron model. Also available is a model of both woods and irons for men who require clubs of specifications slightly smaller than standard as well as ladies who desire a size larger in every way than the standard ladies' club.

For boy and girl golfers Power-Bilt has a selection of three woods and five irons in Junior Models. These clubs are of the same fine quality and construction as standard clubs. They can be obtained in any combination with a high quality Junior bag.

Accessories such as bags, head covers, gloves and umbrellas will also be sold by Power-Bilt.

WILSON SPORTING GOODS CO., Chicago—Wilson 1950 line leads with what the company says is the finest iron it has ever produced—the Wilson Top Notch Dyna-Weight Blade. The Dyna-Weight Blade combines all of the popular features found in the Wilson Top Notch iron line, a modified goose-neck construction and a new scientific distribution of weight. This weight distribution places the weight effectively and the power area is larger than usual. A result of this weight allotment is better distance and more accurate direction of iron shots. The goose-neck feature aids the player in getting the ball into the air.

Wilson did not believe materials would be available to produce this Dyna-Weight Blade before 1951, but late developments enabled the company to guarantee delivery to professionals for a limited market about December 1. This new Top Notch Dyna-Weight Blade will be featured in chrome and will also be available in stainless steel for a limited market. Wilson's VP, William F. King, recalling the success Wilson enjoyed with the Ogg Iron line in 1932 during the depression, predicts even greater acceptance among golfers for the new Top Notch Dyna-Weight blade.

JAMES HEDDON'S SONS, Dowagiac, Mich.—Pro Only golf shafts for the coming season will feature the same type of shaft furnished in 1949. Heddon has added several new actions to those supplied in the past and the complete line is:



REMOVABLE SPIKE THAT CAN'T LOSE!

"TRUSTY" Metal Golf Shoe Spike has patented slot-and-tongue, preventing accidental unscrewing. Endorsed by pros as profit and good-will building item, by greenkeepers as protection to fairway machinery. **GUARANTEED** to stay locked until natural wear requires replacement. Full sale and installation profit. Write for details, or order today.

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WOODS HAND MADE TO ORDER
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Quick Service on All Types of
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"PRO FINISHED" PERSIMMON HEADS

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| Rough Head, Bored | \$.90 |
| Face, Plate, Neck Ripped | 2.25 |
| Roamed and Rough Sanded | 2.75 |
| Fine Sanded Approx. Lead | 3.25 |
| Face, Red Fiber; Plate "V" or Plain | |

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Glen Head, New York



JACOBSEN SALES REPRESENTATIVES GET NEW KAISER TRAVELERS

New fleet of Kaiser Travelers to augment present fleet of Willys Jeep Station Wagons, shown flanking the new Travelers, was issued to Jacobsen sales representatives at recent sales meeting. Large interior of Kaiser Traveler (see page 112) easily accommodates four Jacobsen mowers enabling representatives to make on-the-spot demonstrations and immediate deliveries.

HPRO-X for extra stiff action; HPRO-S, stiff action; HPRO-M, medium action; HPRO-F, flexible action; and HLPPO, ladies' action.

Each is mounted with a stainless steel band with the identifying action stamped thereon. John Heddon, pres. of the company, adds: "We feel that with these various shaft actions the club manufacturer is in a position to furnish a golf club for every type of player."

THE WORTHINGTON BALL CO., Elyria, O.—J. C. Brydon, V.P., says: "Our 1950 pro line of golf balls will feature our Supercharged Sweet Shot, Wonderball, Worthy and TNT grades that are sold exclusively to the golf professionals. We intend to feature our pro line of golf balls with a strong advertising campaign for 1950 supporting the pros and creating a consumer demand in the pro shop.

"We appreciate the increased business received from the golf professionals this year and we would like to see the golf professionals go after the remaining business available on golf balls for Christmas selling. We refer to personalized golf balls in dozen lots on our Supercharged Sweet Shot and Wonderball."

K. L. BURGETT CO., Peoria, Ill.—Pres. Ken Burgett advises: "We felt that our line this past year brought to the golfing trade the best line of golf gloves we have ever seen, and we will again next season offer the same numbers. We are adding to our line a new deluxe glove which will be offered in colored leathers with a knit-

ted nylon content back. This makes a very flashy and appealing item and a comfortable golf glove. This glove will combine style, comfort, and a reasonable amount of durability. The glove will retail around \$2.75 to \$3.00 each and is already being accorded a very fine acceptance."

HOWARD SCOGGINS GOLF CO., Dunedin, Fla.—Scoggins' 1950 pro shop lines of golf equipment and sportswear will be shown in attractive new Scoggins showrooms at Douglas and Main, Dunedin, where five of the company's nine pro golf salesmen will be on the job to care for pros visiting Florida this winter. The company is making this showroom in its new building a demonstration and test place for pro shop merchandising ideas as well as a display of its line. Howard says in talking to club members this year he found they are aware that the pro shop is coming into its own as a retailing outlet that has best value golf goods at prices that compete with downtown stores. Golfers have told him that for the first time this year they noticed that pro shops are selling highest quality sportswear at competitive prices. Scoggins remarks that the number of comments from women golfers is a particularly significant endorsement of progress in pro selection, display and selling as the women are expert shoppers and their pro O.K. will carry a lot of weight with men.

BURKE GOLF, INC., Newark, O.—Burke has extended its line of clubs for

CREEPING BENT STOLONS

RICHMOND, VA.
Cohansey C7
Arlington C1

SLOCUM, R. I.
Arlington C1

FARMINGTON, IOWA
Congressional C19

MADISON, WIS.
Arlington C1
Old Orchard C52

No sod or left over bent. Every stolon fresh, virile stock and less than one year old. True to strain, no mixture of other bents or grasses. No weeds — not even clover. Every shipment carries state inspection certificate.

Make all inquiries to R. R. Bond, Prop.

Old Orchard Turf Nurseries

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Madison 1, Wisconsin

Tele: 6-1846

THE GREENS ARE THE FOUNDATION OF ALL SUCCESSFUL GOLF COURSES

1950 to include a "modified offset" iron. The new models, known as "Burke Hyspeed Irons," feature chrome plated heads, short, straight hosels, flanged soles and backs, and compact, slightly offset blades. Available in sets of nine—2-iron through 10 (sandiron)—the outstanding advantage of Hyspeed Irons is their ease of use, achieved through improved distribution of weight behind the ball and by design and shape of the offset blade for better control of the clubhead. The new irons have a hitting surface of contrasting finish, medium flex (T pattern) True Temper Dynamic chrome shafts, and brown cork-and-rubber Vacuum grips. Pro-still (S pattern) or action (A pattern) True Temper Dynamic chrome shafts are supplied on special order.

Three new model woods have also been added to the line: "Burke Hyspeed" woods, "Burke Recorded" woods and "Burke Model 270" woods. These new models are designed to conform to popularity standards, as indicated by club sales of the past few years. The "Hyspeed" has a laminated wood block, beautifully finished in natural, high-luster golden walnut, featuring an extra-deep face with a red fibre insert. "Burke Recorded" woods are deep face, pear shaped persimmon block heads, with jet black finish and red fibre face inserts. Cherry finish "Burke Model 270" woods are pear shaped persimmon block, medium deep face, with red fibre insert.

Burke's popular "Punchiron" has a prominent place in the 1950 line, being made available with either stainless steel or chromium finished heads. Two new putters have been added to the "Sav-a-Shot" line, a "Model 22" right-and-left hand center shafted putter, and a "Model 33" offset, straight blade type putter.

All Burke woods are featuring Burke's exclusive "Dur-O-Var" finish, the highly attractive "permanent" finish developed for wood club heads.

Burke also is introducing a new "Hyspeed" pro-only ball, which is of new construction from cover to core to give maximum distance. It is a high compression ball, testing 90 points.

For the Christmas trade in balls, Burke is giving prompt delivery on gift boxes of personalized Hyspeed balls—minimum order, one dozen — imprinting the player's name on the rim of each ball. Gift orders of personalized balls shipped in attractive holiday box.

ACUSHNET PROCESS SALES CO., New Bedford, Mass.—Fred W. Bommer, pres., says Acushnet ball sales were larger this year than ever before. Production of D. T. Titleist, big seller this year, is being increased at present. Regarding 1950 Bommer advises that several notable improvements will be made in the Acushnet pro-only line, details of which will be announced early in the year.

No Pampering; No Babying.
You Don't Have to Turn off
**MURDOCK Outdoor Drinking
Fountains and Hydrants**
for Fall and Winter.

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Our top-grade, finely shredded Humus has been used for years by many golf clubs in the Finger-Lakes area with sensational results. Makes a rich mulch for Greens. Considered the finest dressing in America. Organic matter 79%, water holding capacity 730%, pH 4.05

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E. I. DU PONT DE NEMOURS & CO., WILMINGTON 98, DEL.—For 1950 Du Pont will have its turf fungicides: Tersan, Du Pont F-531 and Special Semesan which demonstrated high effectiveness in helping course superintendents through a tough year in 1949. Tersan this year was more extensively used than ever before on preventative schedules and performed reliably in curative treatments. Du Pont F-531 was a standard preventative treatment for dollarspot. This fall Tersan was extensively applied as protection against snow mold. Ammate in spray or dry application was widely used for poison ivy, hard-to-kill woody weeds. Du Pont's 2, 4-D weed killers which were much used on golf courses in 1949 will, of course, continue in Du Pont's 1950 line.

DOW CHEMICAL CO., MIDLAND, MICH.—Dow's 1950 line for golf courses will include 2, 4 Dow weed killer, formula 40, an amine-type weed killer, which has found wide acceptance in use on golf courses where low pressure equipment is used. Dow also recommends Esteron 44 and Ester 2-4D for control of weeds and resistant-type weeds and woody growth. Dow also recommends this product for prevention of resprouting in stumps. Dow has a relatively new product, Esteron brush killer, which is a combination of 2-4D and Esteron 245T for control of woody brush and weeds which are resistant to other types of 2-4D. For control of grasses in drainage ditches, roadsides, fence lines, in fact any spot where grass growth is not wanted, a new product which has been proven very successful in extensive tests throughout the country is Dow Sodium TCA 90%. Dowklor "Chlordane Formulations" are widely accepted for control of ants and various insects attacking golf course greens.

IDEAL POWER LAWN MOWER CO., Springfield, Mass.—Ideal Bulldog 7, 5 and 3-gang mowers and power greensmower have no major changes in 1950 models. Refinements and improvements in details will be evident in maintaining the reputation of the equipment for performance and durability.

OLD ORCHARD TURF NURSERIES, Madison, Wis.—With nurseries now at Richmond, Va., Slocum, R.I. and Farmington, Ia., as well as the main Old Orchard nursery at Madison, Wis., the R. R. Bond organization is able to supply Old Orchard C52, Arlington C1, Cohanse C7 and Congressional C19 stolons true to strain, unmixed with other bents or grasses and with every shipment carrying state inspection certificate.

AMERICAN LIQUID FERTILIZER CO., INC., Marietta, O.—Reports an ex-

cellent year's business and testimony of very satisfactory results with Liqua-Vita, with 6-9-7 formula, and Liqua-Vita Turf Special, 12-8-4. The makers say there is no danger of burning with Liqua-Vita, it is clean and easy to use, and can be applied with the fungicide, thus saving labor. Liqua-Vita, being a plant food with 14 elements available, helps maintain greens in good condition throughout the hot summer months.

Spider Mite Damage Stopped On Bent Grass Green

Spider mites are pests of world-wide distribution. The common red spider, the cyclamen mite, the clover mite, the chicken mite, the bulb mite, etc., are examples of this tiny insect. Most of them feed on tender plant tissue. Some feed on the blood of fowl; others cause various types of itch and mange in the skin of mammals and certain birds. One family is not parasitic—it lives on dried or decaying organic matter.

Tiny light spots are produced on most plants by the feeding spider mites. They commonly feed on the underside of the leaf and abstract plant juices with their tiny sucking mouth parts. They thrive in hot, dry weather. A generation requires about a month for development.

During early May Lester Verhalen noticed injury to the grass on the practice green at the Brynwood Country Club. There was an irregular reddish colored



Spider mite damage to bent grass on practice green shows mites active along irregular band running diagonally across green. Bluish cast indicating wilt shows up to the right back of advancing reddish band and farther back grass is turning brown.

streak, several inches wide, diagonally across the green. The grass on one side was of the characteristic bluish color indicating wilt, just back of the advancing reddish band. Farther back the grass was brown and leaf blades were withered

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and shrivelled. The clover patches were not affected. Examination with a small hand lense disclosed the presence of small spider mites in large numbers concentrated in the reddish band. Specimens were collected and submitted to the Milwaukee Museum for identification. Authorities there agreed at once that the insect was a spider mite, but were not sure of the exact species. Other specimens were sent to Professor John C. Schread of the Connecticut Station because Dr. Philip Garman there is an expert in this phrase of entomology. They reported the specimens to be *Bryobia praetiosa* (clover mites), despite the fact that injury was confined to the Washington bent grass.

The weather was dry and warm. There had been no rain since snow disappeared and the green had not been watered.

The green of approximately 10,000 square feet was sprayed with Chlordane on Saturday afternoon. Three pounds of 50 per cent wettable powder was used on the entire green. No mites were found the next morning. Apparently they were stopped in their tracks. The line was stationary after the green was sprayed.

Famed Lloyd Range Closes

Lloyd Driving Range, opened Sept. 30, 1932, five minutes from downtown Portland, Ore., closed Sept. 20, 1949. Property to be used for building. The Lloyd range and short course probably involved by far the biggest investment ever made in privately-owned golf practice facilities. The 240 yd. long fence was regarded as the highest in the world (180 ft.). It cost \$10,000. The range was sheltered for all-weather play. The plant was under the management of Joe Mozel who developed in it, and primarily for it, the first completely automatic tees. More than 18 million balls were hit off these automatic tees during the progress of the Mozel automatic tee to commercially operative success. An electric meter recording system with recorders in the range office was among the Mozel inventions which had the Lloyd range operating with such extensive use of balls and income protection that carrying cost of the entire expensive plant was handled. Mozel's performance as operating director of this costly installation showed how a stiff investment on very expensive property could be justified.

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Seattle 9, Wash.

**Still Available! GENUINE NAVY SURPLUS
RUBBER MATTING!**

The Ideal Covering for Locker Room Floors!

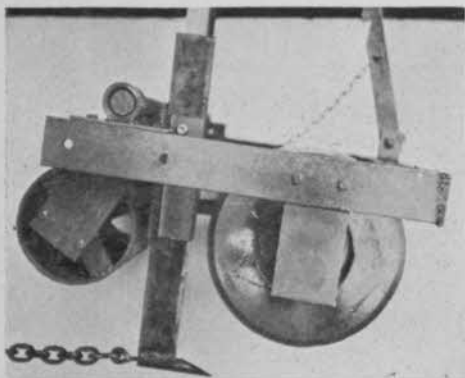
Smooth-surfaced, tough, thick rubber matting made to rigid gov't. specs. Guaranteed for 20 years of hardest wear that cleats and calks can give it. Full $\frac{3}{8}$ " thick, resilient, lays flat. Less than one-fourth civilian price for this quality. Subject to prior sale.

\$22 50
FULL
ROLL

(Size: 3 ft. x 12 1/2 ft.)
FOB SEATTLE

WEST POINT'S LINK MOLE-DRAIN

The Link Mole-Drain Assembly shown below fits into the Aerifier frame in place of the disc and spoon assembly used for aerifying. A number of these implements



This is the mole-drain assembly which fits into the Aerifier frame. The sharp disc at the front cuts a slit so the arm on which the bullet and chain are mounted will not tear the turf. The roller in the back presses down turf at edges of slit. The extent to which it marks the surface is shown in the picture below.



were made this year and are being used at golf courses and experiment stations to be marketed more extensively in 1950. It is believed the use of the mole-drain will speed the removal of large quantities of water during periods of heavy rain. It makes openings down into the soil, deeper than can be done by aerifying. But, the mole-drain does not take the place of aerifying; it does not loosen soil as the Aerifier spoons do.

It is anticipated the mole-drain also will be useful in the west where high amounts

of salt in irrigation water cause a salt concentration in the soil which is injurious to turf. Mole-draining will aid in the removal of salts from the surface soil. The mole-drain is a sturdy enough gadget



This illustration shows what the steel bullet does beneath the surface. The channel is an inch in diameter. The gadget can be adjusted to make the channel at any depth from three to eleven inches. There are no statistics on how long the channel will stay open, though it's natural to assume it will stay open longer in heavy soil than in sandy soil.

to slice right through tree roots, eliminating that source of trouble at the same time it improves drainage. Also U-3 bermuda may be sprigged into the slits made at the surface.

WILSON'S DYNA-WEIGHT BLADE



The Dyna-Weight Blade, latest golf club development of Wilson Sporting Goods Co. The scientific weight distribution of Dyna-Weight results in a "sweet spot" which extends over the entire face of the club.