LAWN MOWER STATIONARY BLADES

We make these blades in several styles to fit the different makes and types of Lawn Mowers—including the small Hand Trimmer—Hand and Tee Mowers—Putting Green Mowers—Power Mowers and the large Gang or Fairway Mowers. Best quality knife steel, electric furnace heat treated to insure long wear and fully guaranteed to give complete satisfaction. You save important money buying direct from manufacturer.

Price sheet on request or we will quote price for your blade order.

JONES MOWER & EQUIPMENT CO.
2418 Grasslyn Avenue, Havertown, Pa.

We pay the postage on all orders of $10.00 and over.

much needed opportunity for self expression.

It is surprising to notice how interested the press becomes when a project which will provide a story of continuing interest to the public comes to its attention. This project made the sports section of local papers and will continue to be desirable copy, especially when the golfing public is invited to pass judgment on the quality of the turf as it develops. The golfer will be asked to pass final judgment on this planting before this type of fairway is either accepted or rejected. Every time this project is mentioned in the press the superintendent and his professional organization is given recognition for being progressive, awake, and with ambition directed toward solving a problem which may benefit golf greatly.

“Operation Zoysia” provides a new avenue along which the Green chairman and superintendent can travel and see the same results and come to the same conclusions in deciding whether or not a new selection of turf will fit their own fairway problem. This is extremely important because, here again is common interest in a problem, mutual to both, and vital to many people, whose best interest they must serve. It is sincerely hoped by every superintendent that this project will create the first desire of many green chairmen to come out at least once a year to see what is transpiring in this project. Some chairmen have already found that they are being asked questions by their membership which have made it imperative that they become acquainted with the project. This need for information makes it mandatory for the chairmen to go to their superintendents or to the Mid-Atlantic Association of their golf course superintendent to get the desired information. This contact may provide the first spark of a fire which could develop into an extremely desirable co-operative relationship between employer and employee. Certainly it must result in a better under-

SAVE MONEY on the NEW Course
"MAKE TOP-SOIL OUT OF SUB-SOIL" by Using
Hyper-Humus
COMPOSTED PEAT

Greenkeepers and greens committee men are everywhere talking about this new and better way to build a fine golf course. Let us show YOU how raw sub-soil can be converted into superior top-soil for much less than the cost of hauled-in top-soil, and the new top-soil will have just the right organic content, free from weed seeds, insect larvae and disease spores.

Write for Special Top-Soil Bulletin

HYPER-HUMUS CO.
BOX 5
NEWTON, N. J.

HYBRID BERMUDAS
Tifton 57 Tifton 127
CERTIFIED by crop Imp. Assoc.
Centipede seed
SOUTHERN TURF NURSERIES
Tifton, Ga.

March, 1953
standing of turf problems. It is entirely possible that it may also help to strengthen the position of the golf course supt. as the professional man which he is.

**Trick Shot Artist, Paul Hahn To Star in Movie Short**

Paul Hahn, trick shot artist, has been made the star of a Grantland Rice Sportlight film to be released through Paramount Pictures.

Aside from its entertainment value, the film should be helpful for duffers for it carries a distinct clinical flavor. Hahn first exhibits fine classic form, the aim of every golfer, and then refutes his own arguments with the aid of artificial and physical liabilities without sacrificing either distance or control. To the spectator, the performance pins good golf down to timing and coordination. It is an entertaining film for golfers and non-golfers alike.

Everything said about pro shop merchandising adds up to the pro answering "how can I get this golfer using something that will give him (or her) more pleasure out of the game at a price that really is a bargain in enjoyment?"

—Maurie Wells
Professional, Cascade CC
Grand Rapids, Mich.

**Eric Cremin's "Par Golf" Clear Picture Teaching**

Eric Cremin, Australian pro star, has produced "Par Golf", published by Angus & Robertson Ltd., Sydney, Australia. American agents are Anglobooks, 55 E. Washington st., Chicago. Cremin is a sound player. His text is brief and to the point and clear. A good part of the instruction is done by exceptionally clear and informative action pictures. The photography is exact, with the lens being at a spot where the ball shows accurately its position with respect to the feet.

A feature of the book is some instruction and illustrations for left-handers. Cremin played both left-handed and right-handed before settling on right-handed.

**Golf Club Manufacturers Report Total Sales**

Figures submitted by the member companies of the National Association of Golf Club Manufacturers show a total of 3,067,470 clubs sold between November 1, 1951 and October 31, 1952. Of this total 2,138,529 were irons and 928,941 were woods.

This compares with a total of 3,371,631 clubs reported sold for the previous corresponding period ending October 31, 1951.

Member companies of the Association anticipate an increase in sales volume for 1953 and indicate they will be in a position to take care of their customers' requirements.

**UNIVERSAL'S NEW TROPHY BOOK**

Available for club events chairmen and pros is the new 60 page trophy catalog of Universal Sports and Awards, 515 S. Wabash, Chicago 5, Ill., the largest and most complete they've ever published. 1500 items are shown, including trophies, cups, plaques, medals, etc., with many newly designed models. Several pages are devoted to economy award items with the complete line embracing a wide range of prices. Catalog upon request.

**VICTOR EAST WITH FAWICK FLEXI-GRIP COMPANY**

J. Victor East with a background of 50 years of research, design and sales experience in golf joins the Fawick Flexi-Grip Co. of Akron, Ohio as director of golf research and promotion, it has been announced by Exec. VP James Karns.

Recently retired with Wilson Sporting Goods Co. after an 11 year association East previously had held an important position with Spalding and during 1922 and 1923 manufactured golf clubs in his own business in North Carolina.

An outstanding competitor in his play-
ing days, East qualified for the British Open in 1921 at St. Andrews and for the U. S. Open in 1921 and 1925.

In commenting on the appointment, Karns said, "We are happy to avail ourselves of J. Victor East's vast experience. We feel certain this association will contribute substantially to the further expansion and development of our organization."

MAKES QUICK WORK OF EARTH MOVING

New Chamberlain, South Dakota golf course takes shape rapidly under the supervision of architect Robert Bruce Harris. These big International TD-18A crawler tractors used by the contractor who handled the big earth moving work on the new course, put the course in shape for final grading and seeding in a minimum of time.

GOLF PRIDE HAS NOVEL DISPLAY

Illustrated is the new Golf Pride point-of-purchase pro shop display which The Fawick Flexi-Grip Co., Akron, O., is supplying to more than 2,000 pros this spring. A counter-board holds an actual Golf Pride grip extending out at an angle that tempts the pro shop customers to grasp it and get the feel of the grip's new "Rib-Lock" feature. Advantages of the grip are imprinted on the board.

RYAN'S IMPROVED OK SEEDER and SPREADER
Built Today for Years Ahead Service

NOW BETTER DISTRIBUTION
NOW BETTER BALANCE
NOW EASIER PUSHING
NOW LARGER CAPACITY

America's Best Machine for
TOP DRESSING • FERTILIZING • SEEDING
Adjustable Control Lever on the Handle
No Holes to Clog • Easy to Fill and Operate
No Intricate Mechanism to Fail
LIGHTWEIGHT — 66 Pounds; CAPACITY — Four Cubic Feet;
SPREADS — Swath 3 Feet Wide; Forced Direct Feed, Therefore
No Ridges or Gaps.
Write for Circular and Nearest Distributor
H. & R. MANUFACTURING CO.
3463 Motor Ave. Los Angeles 34, Calif.

Get Beautiful Greens INEXPENSIVELY

Available with two handles for two man operation — No. 32
Tractor type temporarily withdrawn.

Aerate with a SPIKE-DISC
The inexpensive Dunham Spike-Disc consists of two rows of discs armed with long knife-like blades. It cultivates and aerates in one simple operation. Regular use of the Spike-Disc will give you healthy beautiful greens.

The knife-like blades of the Spike-Disc cut unnoticeable slots to the root areas allowing moisture to go down where it will do the most good. The Spike-Disc leaves no ugly holes or dirt plugs on the green.
Manufactured by Ohio Machine Products, Inc., Columbus, Ohio
Manufacturers of the Dunham Hand and Fairway Water-Weight Bollars.
Write for full information to: Dept. 62
JOHN H. GRAHAM & CO., INC., Sales Agent
105 Duane St., New York, N. Y.
Trophy Jewelry Awards

P-30 . . . 1/20-12 carat Anson gold-filled setting, mother of pearl bkgd. Attractive metal green suede covered box. set $10.50

G-30 . . . 1/20 carat Anson gold-filled setting Attractive metal green suede box. set $7.50

The only book devoted exclusively to

Turf Management

By H. BURTON MUSSER. "This comprehensive and practical manual of golf course turf work is not only an on-the-job working guide book and reference volume of great value for those responsible for golf course and other large turf area maintenance, but is a landmark in scientific fine turf development . . . the answer to the oft-expressed need for a working textbook on golf turf." — Golfdom

$7.00 at all bookstores

McGRAW-HILL BOOK CO., New York 36

BRIGGS AND STRATTON PRODUCES RECORD MILLION ENGINES

Leader in the manufacture of single cylinder, 4-cycle air-cooled, gasoline engines, the Briggs & Stratton Corp. of Milwaukee recently reported a record-breaking first in the industry as the 1,000,000th engine produced in 1952 rolled off the assembly line. It is the first time a manufacturer of industrial type gasoline engines has achieved a production record of this kind.

Current gasoline engine models manufactured in sizes ranging from 3/8 to 8 1/4 horsepower developed from the Briggs & Stratton "Motor Wheel" first used in 1919 to power bicycles, then buckboards, then scooters. A year later the company produced the Model P, one of the first single cylinder, 4-cycle, air-cooled gasoline engines to be used for industrial applications. Today the engine is put to a wide variety of uses.

Some of the more practical and important uses made of Briggs and Stratton engines on golf courses include: power scythes, greens mowers, Aerifiers, compost mixers, power saws, power sprayers, power sweepers, rollers, sodcutters and pumps.

C. L. Coughlin, president, Briggs & Stratton Corp., Milwaukee, Wis., proudly shows placard pointing up the company's latest achievement in building, selling and shipping more than 1,000,000 industrial gasoline engines in the year of 1952. Gen. sales mgr. F. P. Stratton (L) and E. V. Oehler, v-p in charge of sales, join pres. Coughlin in honoring the occasion.

He explained that in 1924 Briggs and Stratton engines sold for an average price
SELL PAR TUBES NOW! WHY WAIT?

PAR TUBES As Used In Individual Compartment or Slot Type Bags

The demand is terrific and the profits are quick. PAR TUBES superior construction proves them tops in the field. A Must for any golfer who wants to protect his grips the full bag length and obtain a friction-proof bag with an individual compartment for each club. PAR TUBES are dropped into oval or round type bags allowing a numerical arrangement of clubs. PAR TUBES fit into and strengthen individual compartment bags, allowing full free use of EVERY compartment.

PAR TUBES are Strong — Moistureproof — They are endorsed by Pros and Amateurs alike as a great idea for keeping grips in fine condition and protecting clubs against marring by careless handling.

Packed in cartons of 42 and 144

Contact Your Local Distributor or

PAR TUBE — 5710 W. DAKIN ST., CHICAGO 34, ILLINOIS

Oval or Round Type Bags

of $76.48 per horsepower. By 1950 the average price per horsepower had reached a low of $13.65.

Despite an increase of more than 100% in the costs of purchased materials in 1952, as compared to 1940, despite labor costs that more than doubled in the same period and despite the greatly increased tax load and general cost of doing business, the average price per horsepower increased only 1.4% over 1940. Advanced engineering, operating efficiencies, and precision mass production are credited for this accomplishment.

"Today, five horsepower can be purchased for about the same price that one horsepower formerly cost," Coughlin pointed out. "This accomplishment has broadened old and opened new markets for our engines and contributed considerably to our 1952 production record."

TOP DRESSING SPREADER

H. & R. Mfg. Co., 3463 Motor Ave., L. A. 34, Calif., announce their new Forced Seeder and Spreader. Weighting 66 lbs., with a hopper capacity of four cubic feet, its swath spread is three feet. Oilless bearings, sealed against dirt and grit, extra wide wheels to prevent marring of turf, and an open type rotor are some of the features to be found in this distributor.

USEFUL CALCULATIONS IN BOOK FOR SUPTS.

Mamalon Co., 1091 Whalley Ave., New Haven 15, Conn., has a book on "Chemical Calculations in Turf Management" which supts. will find helpful. The book was re-received with warm approval at the GCSA convention. A copy of it may be had by any supt. making request direct to Mamalon.

MacGREGOR DESIGNS GOLF BAG FOR USE ON ALL TYPES OF BAG CARTS

MacGregor Golf has a new "Buggy Bag" golf bag which is the first bag designed specially for use on all types of bag carts. It has a sliding top cuff of reinforced Tuftan steerhide which can be adjusted easily to be firmly attached to the cart.

The bottom cuff, also of steerhide, has

A New, Sure-Fire Pro Shop Seller

IRON HOOD COVERS

Now — you can offer your players the same protection for their irons as they have for their woods. Lightweight, water-proof leather. On or off in a jiffy and each hood plainly numbered. Every set of irons in your bag racks represents a prospective sale. Here's a new pro shop item that's really going to move. Better order — today.

These sets are available in six different colors, Red, Blue, Green, Black, Fawn and Gray. Numerals are embossed with 24 carat gold leaf.

Set of 8 retails at $3.50. With wedge hood included — $3.95

Usual golf professional discount.

Display them on a set of irons and watch them sell.

Superior Welting Co., Brook & Market Sts., LOUISVILLE 2, KY.
a metal plate riveted to the bottom to prevent scuffing or punch marks from the cart. The bag is made of pearl-gray canvas.

A combination ball and clothing pocket is on one side of the bag.

**ROLLING ICE CART FOR GOLF CLUBS**

The Gennett rolling ice cart is a natural companion to the portable bars set up on club porches or by the swimming pool. It is also a great aid in transporting shaved and cubed ice from any central point to the bar, grill, dining room and kitchen. Additional information may be secured by writing the Gennett Manufacturing Co., at 3 Main St., Richmond, Ind.

**KUNKEL'S NEW K-KART, JR.**

Kunkel Industries, 2358 Clybourn, Chicago 14, announce the new K-Kart, Jr., especially designed for the "Budget Minded" golfer. Redesigned for economy production, but with the same quality material used in the K-Kart, it features 10" all aluminum, ball-bearing wheels, smooth tread tires that discourage clinging mud, adjustable handle, bag bracket for all types of bags, light weight of 12 1/2 lbs., and easily worked collapsible action.

**SCOGGINS HAS RAINGLOVES IN PAIRS**

Scoggins Co., Dunedin, Fla., has a new item of top quality milanese cotton rain gloves that are excellent for cool- and rainy-weather play. They retail for $3 a pair. They have nylon backs and are available in four color combinations.

**CONGO'S MODEL 571**

Among the several smart, practical new models in the 1953 Congo line by Brearley Co., Rockford, Ill., is model 571 shown above. Made of fine Moyra cloth in natural color with unique brown braid trim that ventilates the head. There are three sizes with elastic back.

**NEW CERTIFICATE FOR MACGREGOR HOLE-IN-ONE CLUB**

MacGregor Golf Co., Cincinnati, has designed a new Hole-in-One Club Certificate to be presented to each golfer scoring an ace while using a MacGregor club or ball. Name of the lucky golfer joining the ace group club will be hand-lettered at top of an attractive red and black, plaid-bordered certificate which is suitable for framing. Certificate available through pro shops.

**WORTHINGTON DEVELOPS NEW ROTARY GANG UNIT**

Worthington Mower Co., Stroudsburg, Pa., presents a new idea in big-area mowing, the three-gang Rotary Blitzer. Each of the individual rotary cutting units is powered by a heavy-duty 13.3 hp. engine.
Power at the blade is independent of the towing vehicle. With separate engines the Worthington Rotary Blitzer has adequate cutting power at all times regardless of the density of growth. Elimination of power take-off permits use of almost any type of towing unit, allows greater freedom on turns and a higher travel speed.

Tests show that with its 17-foot swath, the Worthington Rotary Blitzer can cut as much as 10 acres per hour at a 5 mph. towing speed. Company officials state this is more than double the acreage which can be mowed by a power take-off type unit.

WAR-MUP WEIGHTED HOOD FEATURES
SWINGHOOD'S HEAD COVER LINE
Swinghood, Inc., P. O. Box 1497, South Miami, Fla., reports brisk pro ordering of their 1953 head cover sets, each set of which includes one of their patented WAR-MUP weighted golf hoods for swing practice. The weighted hood resembles the other hoods of the set and serves as one of the head covers, but is weighted and equipped with a snap strap which holds it securely to the wood head for heavy-head practice swinging strongly stressed by instructors and pros for wrist, grip and swing development. The WAR-MUP weighted hood is available as an individual unit as well as a unit of their head cover sets. It is sold on a money back guaranteed. Complete information from the manufacturers at above address.

ACUSHNET TO RUN BIGGEST
CONSUMER AD CAMPAIGN
Beginning with April issues, the new Acushnet golf ball advertising campaign will run in 2-color, full pages in the Saturday Evening Post and Holiday and in 2-color, 2/3 pages in Time, Newsweek and the New Yorker.

The selling theme of the campaign is an “educational” one. The advertisements are
designed to advise each golfer just which one of Acushnet's leading balls — Titleist, Finalist and Bedford — is best suited for his particular type of game.

Further, the copy will suggest that the player seek the help of his pro in making this decision — and each pro will be provided with the new Acushnet Golf Ball Guide to help in the analysis.

The new Acushnet advertising will reach over 40 million readers between April 15th and July 4th. This is the heaviest concentration of consumer advertising Acushnet has ever planned during the spring and summer seasons.

**DEVELOP-PAR — PRACTICE AID SOON READY FOR PRO SELLING**

Eddie Williams, pro at Louisville CC, Louisville, Ky., and one of golf's most active and progressive instructors, has perfected a new practice aid soon to be marketed thru the golf pros. Appropriately named "The Develop-Par" it consists of a hexagonal weighted tube about 8 in. long and 4 in. in diameter joined to the grip end of a golf shaft a short distance below the grip. Imprinted on the hexagonal sides are instructions for players' use in developing sound swinging action. Eddie showed samples of his "Develop-Par" at Dunedin, Fla., during the recent PGA Senior's Championship, an event in which he has been dynamic in promoting, and reports enthusiastic comment from many prominent pro instructors who tried it out.

Bill Tollner, well known golf salesman, now with M. S. Marabon, 29 Hutchinson Blvd., Mt. Vernon, N. Y., handling Golfcraft clubs and Burton bags of Marabon's line.

**POOL AND SHOWER CHEMICAL ACTION CLEANER**

Saf-T-Klenz, product developed especially for removing rust stains, lime deposit, soap oil, body grease, algae formation and other discoloration from shower stalls and swimming pools, has been made available by Berman Chemical Co., 709 Superior Street, Toledo 4, Ohio.

The manufacturer says it cleans quickly even when hard rubbing and ordinary cleaners have failed. Saf-T-Klenz comes in dry powder form and is harmless to skin, clothing, floor or drains. Simply sprinkle the powder on damp surface, mop
QUICKIE GOLF PRO

The new illustrated instruction chart that is chained to the golf bag, where the golfer can’t forget it.

This plastic weatherproof chart has the acceptance of many pros for teaching beginners and conducting mens’ and womens’ clinics. Retail for $1.00 with usual pro discount. Point of sale display card with orders of 12 or more. If not available from your local jobber, write for illustrated folder and complete information. A few jobber territories still open.

QUICKIE GOLF PRO
6216 So. Francisco Ave. Chicago 29, Ill.

POW-R-GRIP
GOLF GLOVES

For the Golf Professional Trade

Stylish and designed for better golfing. Manufactured from selected imported leather, by Master Craftsman.

Write for prices and literature
Manufactured by
PERRELLA GOLF GLOVES INC.
Gloversville, N. Y.

Available in a complete range of sizes for men and ladies.

and flush with clear water. It leaves floors practically slip-proof and minimizes conditions that breed and spread infectious germs.

Free sample sent on request.

GOLFCRAFT EXCLUSIVE DISTRIBUTOR
OF FRANK JOHNSTON PUTTERS

Golfcraft announces exclusive distributorship of the Frank Johnston novelty putters. The entire line of 18 models will be ready for order shipment in April. Added improvements to the line and a brochure showing full listings and photographs will be out soon. Formerly distributed only on the Pacific Coast, GOLFCRAFT will make these popular putters available to all sections of the country.

NEW TOPS FOR MONROE TABLES

Monroe Folding Tables are now available with special tops of Beauty Bonded Formica, Ornacel and Plasticel. With Formica, they offer a shining, light wood grained, satin finish. The Ornacel and Plasticel tops come with either gleaming, bright blonde or rich, lustrous brown finish.

These tables are especially useful where large numbers are to be fed as there is no necessity to use a covering cloth. The tables may be rapidly cleaned and wiped clean with just a damp cloth if another seating is desired. The manufacturer says they will “take anything” except burning cigarettes.

All Monroe Folding Pedestal Tables feature rigid chassis, non-tip design, flat stacking and storage ease, and no knee interference.

For the new catalog with full color section describing the special top, write to The Monroe Company, 12 Church Street, Colfax, Iowa.

GOLF RANGES
MINIATURE COURSES

We can furnish you COMPLETELY

Prices and Details on Request

EASTERN GOLF CO.
2537 BOSTON RD.
BRONX 67, N. Y.

GOLF’S TOP EXHIBITION
JOE KIRKWOOD

Master of Golf Magic
with his entertaining and instructive
TRICK SHOT SHOW and CLINIC

For Booking Details Write:
JOE KIRKWOOD
133 South Wild Olive, Daytona Beach, Florida

March, 1953
PARRIS PUTT-TRAINER IS PRO SHOP SALES FEATURE

Parris Mfg. Co., Savannah, Tenn., has a Putt-Trainer consisting of 9 putting locations laid out on a heavy durable canvas foundation above speed of a keen green and with an all-metal Roll-back cup at the end of the 11½ ft. long and 9 in. wide putting surface.

A very helpful feature of the Parris Putt-Trainer is the lining indicators on the putting surface which help the user develop the habit of sighting putts accurately and keeping the face of the putter squarely across the line to the cup.

The device got a big play at the recent Sports Goods show in New York and was bought in quantities by a number of pros who planned to use one in the shop and sell the rest to their members.

Liquid formulation of endothal for clover control experimented with by research men and supts. this summer with results still undetermined, although tests of the material powdered and dissolved in water showed satisfactory results.

WININGER JOINS WILSON STAFF

Francis "Bo" Wininger, former amateur and present Oklahoma City G&CC pro, has joined the Wilson Advisory Staff. He celebrated the occasion of his enrollment by establishing a personal 72-hole record