

Trojan II with 50" WHIRLWIND® 30100 Walking Model 30201 Riding Model	70" PROFESSIONAL® 03201	76" PROFESSIONAL® 06123	SUPER-PRO 03302 5 Blade 3 Unit 03303 6 Blade 3 Unit	GREENSMaster 04114 3 h.p. 04115 4 h.p.
12 h.p. 4 cycle cast iron. Recoil starter. Flyball governor. Gas pump. Float feed carburetor. Oil bath air cleaner	6.25 h.p. 4 cycle engine cast iron. Flyball governor. Float feed carburetor. Recoil starter, replaceable paper air cleaner	9.2 h.p. 4 cycle cast iron engine. Rope starter. Flyball governor. Oil bath air cleaner. Float feed carburetor	12 h.p. 4 cycle cast iron electric start standard, flyball governor, float feed carburetor, fuel pump. Oil bath air cleaner	3.0 or 4.0 h.p. 4 cycle recoil starter. Dry type air cleaner. Float feed carburetor. Flyball governor. 4.0 h.p. cast iron
3.6 gallons	5 quarts	2 gallons	3.6 gallons	1 gallon
"A" section belt from engine to jackshaft. Four speed transaxle. Fast shift from forward to reverse tight slack clutch. Transmission has parking brake on output shaft steering pulleys. 6" x 1 1/4" drum type Bendix individual wheel brakes	Tight slack poly V belt engine to countershaft, chain to second countershaft, chain from second countershaft to differential	3/8" pitch x 3/8" wide roller chain through countershafts. Rockford clutch	Banded set of "V" belts from engine to transaxle. Tight slack clutch. 4 speed transaxle. 4" brake band operates off brake shaft in transaxle. Mechanical parking brake	Engaging jaw clutch. "A" section V belt from engine to countershaft. Cast gear case driving large traction drums. Clutch hand operated on handle. Multiple friction disc. Primary engine clutch
Matched "B" section belts from engine to right angle gear box. Tight slack belt clutch. Gear box heated bevel gears on tapered bearings. Three cutter spindles driven by 2 "A" section belts on adjustable idler pulleys. Spindles have 1" diameter shafts on two row ball bearings. Relubricatable. Same drive matches other equipment	Poly V belt from engine to countershaft. Chain drive from countershaft to all reels. Tight slack clutch	3/4" x 1/2" chain from engine to countershafts. Chain to front reel and "B" section. Belts to wing reels. Rockford clutch	Matched set of "V" belts from engine to jackshaft. Tight slack belt clutch. Chain drives to reels. Torque limiters provide protection friction disc on No. 1 reel and ball detent on No. 2 and No. 3 reels. 1 3/4" drive balls on reel shafts with 48 tooth serration. Reverse. Transaxle	Engaging jaw clutch. "A" section V belt from engine to countershaft. Drive shaft from gear case to chain drive case running in oil. Clutch hand operated on handle.
Friction reverse drive. Fast shift	Friction pulley reverse	Planetary gears and reverse band operated by reverse lever. Can be used as brake	Enclosed in transaxle	
Frame. 7 gauge steel cutter deck. 10 gauge steel reinforced with 2" channel. 6" deep housing with adjustable front shield and 4 position discharge. Rubber rear guard	Welded steel frame. 1-3/4" square and round tubing. Engine base and other members are formed sheet steel	Welded steel frame of structural angles and flat bar stock	7 gauge steel weldments	Cast aluminum housing
Built into four speed transaxle	Stamped steel case with roll form gears	Enclosed bevel gears		Enclosed spur gears
50 inches	70 inches	Front reel 30". Total 76"	3 unit: 81 inches 5 unit: 11 feet	21 inches
1" to 8" adjustable front and rear housing	1/2" to 2 1/2" by raising or lowering rear skids	3/8" to 2 1/2" raise or lower rear rollers to vary	3/8" to 2 3/4" in seven positions	1/8" to 1 1/8"
Traction. 6.00 x 12 tube lawn-garden tread. Cutter. 10.25 x 3.25 semi-pneumatic. Smooth casters on ball bearings. Sulky. 4.80 x 4.00 tube pneumatic	16 x 6.50 x 8 tubeless Terra tires, 14 gauge wheels with Oilite bushings	3.50 x 6 pneumatic on steel wheels with cast iron hubs. Oilite bushings	8.50 x 12 lawn-garden tread tires for traction. 18 x 9.50 x 8 tubeless Terra type sulky tire	6" solid rubber drums on 16 gauge steel rims. Rollers run on ball bearings
690 lbs. walk model 743 lbs. ride model	430 lbs.	784 lbs. standard 872 lbs. electric start	1020 lbs.: 3 unit 1265 lbs.: 5 unit	147 lbs. with catcher
Width 52 1/2" Length 82" walk model 84" riding model Height 40"	Width 74 1/2" Length 64 1/2" Height 33 1/2"	Width 36" wings down or 80" reels down Length 76" Height 39"	Width 84 1/2" 3 unit 74" transport 135" 5 unit 84" transport Length 93"	Width 27" Length 60" including handle and catcher Height 44 1/2" with handle
3 blades 18" heat treated steel	Optional five or six blade reels double riveted to malleable steel spiders. 1" steel shaft with lube ricartable ball bearings	5 or 6 blades, welded to malleable steel spiders. 7" diameter. 1" diameter shaft on ball bearings	5 or 6 blades double riveted to malleable steel spiders. 8" dia. reel. 1 1/4" reel shaft on self align ball bearings. Relubricatable	3 1/2" diameter. 9 blade heat treated high carbon steel, 3/4" shaft on adjustable bearings and locknut
Handle bars. Individual brake controls on either side. Throttle on handle. Traction clutch, cutter clutch and speed selector convenient to operator	Steerable sulky. Throttle control on sulky tube. Traction and reel controls at operator's left hand	Handle bars, individual brake controls on each side. Throttle control on handle. Traction and cutter controls convenient to operator	Steering wheel 2.5:1 ratio. Throttle on steering column. Traction clutch foot operated. Reel clutch at right hand. Other controls convenient	3/4" steel tube. Motorcycle throttle control and primary clutch control located on handle
1st .657 mph. 2nd 1.96 mph. 3rd 3.5 mph. 4th 5.2 mph.	3.0 mph at 2800 rpm	4.5 mph max.	1st: 1.12 mph 2nd: 3.33 mph 3rd: 5.40 mph 4th: 8.80 mph	4.6 mph
12 acres per day at 3.5 mph	14 acres per day	20 acres per day	3 unit: 28 acres per day 5 unit: 46 acres per day	
Sulky, tire chains, wheel weights, snow blade, snow thrower, leaf blower, angle broom, leaf mulcher	Electric starting, rear roller, front roller, grass catchers, basket adapter kit	Rubber rollers, electric starting, 5 or 6 blade reels. Pneumatic or semi-pneumatic tires	Electric winch, dual wheel kit, dual fuel kit, rubber roller kit, 3-5 reel conversion kit	Wheeler roller, Delmonte rake, sectional roller, rigid comb, brush, full roller

SPECIFICATIONS

BASIC TORO TRACTOR

ENGINE: Continental—6 cylinder—226 cu. in. displacement. 7.28:1 compression ratio. Crankshaft and connecting rods drop-forged steel, heat-treated. Battery is 12 volt. Oiling system full pressure 20-30 lbs. per sq. inch driven by a gear type pump. Oil capacity: 6 quarts in the crankcase plus ½ quart in the oil filter and one quart in air cleaner. The oil filter has a replaceable element. Air cleaner, oil bath type. A front pulley is mounted, with power takeoff possibilities as well, and with an extra belt groove for power steering. Horsepower: 79 at 2400 R.P.M.

STEERING GEAR: Saginaw Model 525-D-246 recirculating ball screw, rack and pinion steering gear. Ball thrust bearing on screw shaft, bushings on pinion shaft. 3¼ turns of the steering wheel from maximum left turn to maximum right turn. Oil capacity is 11 oz. of SAE 140.

THROTTLE CONTROL: Foot pedal—fast idle position with choke control linkage. Provision for variable speed governor with hand operated throttle.

SEAT: Bus type wrap-around high backrest seat. Seat includes 2" foam rubber padding. Finger-tip fore and aft adjustment. Adjustable seat suspension. Adjustment can be made to compensate for variable weight of operator.

COOLING SYSTEM: Radiator has flat tube and plate fin core, and stamped brass top and bottom tanks. Pressure cap maintains 4 lbs. per square inch. A thermostat temperature control is used. Capacity 16 quarts.

FUEL CAPACITY: 13½ gallons—regular gasoline.

INSTRUMENT PANEL: Consists of Tachometer-Hour Meter, ammeter, fuel level gauge, oil pressure gauge, engine temperature gauge, combination ignition-starter switch and manual choke. There is a provision for light switch when lights are installed.

HYDRAULIC PARKMASTER FRAME

UNITS: 5 & 7.

WIDTH OF CUT: 5 Unit—11' approximately—7 Unit—15' approximately.

OVER-ALL WIDTH IN CUTTING POSITION: 5 Unit—12'2" approximately—7 Unit—16'2" approximately.

OVER-ALL WIDTH IN TRANSPORTING POSITION: 5 or 7 unit 8' approximately.

OVER-ALL LENGTH OF TRACTOR AND FRAME: 5 or 7 unit 188" approximately.

HYDRAULIC LIFT FOR ALL MOWERS WHEN TRANSPORTING: 1st, 2nd, and 3rd

SPARTAN AND ROUGHMASTER MOWERS

4, 6 AND 8 BLADE SPARTAN

	4 Blade	6 Blade	8 Blade
CLIP: 14 inch wheels:	1.47"	.975"	.73"
16 inch wheels:	1.68"	1.1"	.84"

CUTTING WIDTH: 30 inches.

HEIGHT OF CUT: 14-inch wheels, ⅝ inch to 2⅝ inches; 16-inch wheels, ⅜ inch to 2⅝ inches.

RATIO OF WHEEL SPEED TO REEL SPEED: 1 to 7.5.

NUMBER OF BLADES PER REEL: 4, 6, 8.

REEL ASSEMBLY: Special heat-treated blades of high quality steel mounted to malleable cast iron spiders by rivets. Reel shaft is 1½ inches in diameter on adjustable tapered roller bearings.

REEL DIAMETER: 8¼ inches.

REEL DRIVE: Both sides of the reel have a gear train made up of machine-cut hardened steel gears and a clutch idler gear. All gears are sealed from dirt, and run in a fluid lubricant.

WHEELS: 14 and 16-inch diameter steel wheels have replaceable cast iron rims and spokes. 16-inch diameter pneumatic wheels consist of tire, tube, and pressed steel rim. 16-inch semi-pneumatic wheels also available.

BEARINGS: Both the reel and the wheels have adjustable tapered roller bearings. The rear roller bearing is a double-sealed ball bearing.

REAR ROLLER: The 3½-inch diameter steel roller has taper roller bearings in a neoprene shock absorbing mount which are sealed from grit and moisture. Roller brackets adjust the height of cut, offering 32 individual settings.

BED KNIFE AND BAR: The double-edge high carbon steel bed knife is screwed to a high strength cast iron bar with opposed screw adjustment on cylindrical pivots, using stainless steel adjusting screws.

CHASSIS AND SIDE PLATE: Ribbed cast iron side plates have heavy tubular cross members.

UNDERSLUNG DRAWBAR: Special positioning of the drawbar exerts a hold-down

BATTERY: Battery is 12-volt, 54 plate, 45 ampere-hour capacity.

TIRES: Rear: Dual all-traction 7.50 x 16 with tubes which have air-water valves: Normal inflation is 12 lbs. per square inch; minimum 10 lbs. per square inch for fine turf areas. Front: Standard tire 6.70 x 15, 4-ply with tubes. Normal inflation 24 lbs. per square inch.

BRAKES: Bendix 14" x 2¼" double-servo hydraulic brakes on rear wheels. Uses a Wagner master cylinder with 1-inch diameter. 119 sq. inches of total brake shoe area. Parking brakes provided by mechanical actuation of the same shoes.

DIMENSIONS: Wheelbase—98 inches. Front wheel tread: 57½ inches. Rear wheel tread: 63 inches. Turning radius: 7 feet 3 inches. Curb clearance 10 inches. Overall length 133 inches without dump box, 150 inches with dump box. Height, 68 inches over top of steering wheel. Maximum width, 6 ft. 10 inches.

WEIGHT: 2810 lbs. total weight—includes coolant, fuel and lubricants.

WEIGHT WITH MOWERS: PARKMASTER tractor with seven Spartans, pneumatic tires, 5,831 lbs.; PARKMASTER tractor with seven Roughmasters, pneumatic tires and gauge wheels, 6,392 lbs.

SPEEDS: Transport speed in 4th gear at 2400 engine RPM—30 m.p.h. maximum safe speed on smooth highways.

WORKING GEARS:	1200 RPM	1800 RPM
4th	15.05 m.p.h.	22.30 m.p.h.
3rd	8.90 m.p.h.	13.42 m.p.h.
2nd	4.87 m.p.h.	7.31 m.p.h.
1st	2.36 m.p.h.	3.54 m.p.h.
Reverse	1.93 m.p.h.	2.89 m.p.h.

OPTIONAL EQUIPMENT: Power steering, power takeoff, hydraulic kit, governor, rear platform extension, horn kit, directional signals, headlights and tail lights, metal cab.

mowers operate together, 4th mower operates individually, 5th mower operates individually, 6th mower operates individually, 7th mower operates individually.

MAIN FRAME: Steel channel, bolted and welded construction.

WING FRAMES: Tubular steel, welded construction.

HYDRAULIC SYSTEM: Cylinders, Dukes Co. tie rod type, 3" bore, 5 double acting cylinders; three—12 inch stroke, two—10 inch stroke. Chrome plated rods. Precision finished cylinder tube.

VALVES: Heavy duty directional control valves, series circuit. High tensile strength cast differential type pressure relief valve set at 1500 P.S.I.

pressure on the rear roller when mowing. The more force at which the unit is pulled, the greater the hold-down action on the rear roller. This permits smooth mowing of tough grasses.

DIMENSIONS: Width 40½ inches with steel wheels; 44 inches with pneumatic tires. Length 24¼ inches. Height 16½ inches. Weight 212 lbs.

OPTIONAL EQUIPMENT: 3 section rubber roller, 14-inch steel wheels, 16-inch pneumatic wheels, 16" semi-pneumatic wheels, 16" steel wheels.

4 BLADE ROUGHMASTER

CLIP: 2.1 inches.

CUTTING WIDTH: 30 inches.

RATIO OF WHEEL SPEED TO REEL SPEED: 1 to 7.5.

REEL: 10-inch diameter, using four 1½" x 1½" heat-treated blades riveted to five malleable cast iron spiders on 1¼-inch shaft mounted on Timken tapered adjustable roller bearings and double-lip seals and stationary grass shields.

REEL DRIVE: Both sides of the reel have a gear train made up of machine-cut hardened steel gears and a clutch idler gear. All gears are sealed from dirt, and run in a fluid lubricant.

WHEELS: 20-inch diameter Diamond tread four ply tire and tube size 4.00 x 12—pressed steel rim.

BEARINGS: Both the tire and the wheels have adjustable tapered roller bearings.

REAR PNEUMATIC TIRES: 8-inch diameter four ply pneumatic tires mounted on steel rims with ball bearings, result in superior performance on rough ground. Height of cut range is 1¼ inches to 4½ inches.

BED KNIFE AND BAR: Single-edged chrome molybdenum alloy steel, fastened to a triangular folded steel bed bar and precision ground after assembly.

SIDE PLATES: Heavy-duty cast iron side plates with pressed steel covers.

CROSS MEMBERS: Two solid steel shafts 1½ inches and ¾ inch join the side plates to form the mower chassis.

WEIGHT: 266 lbs.

DIMENSIONS: Height 21 inches. Width 46 inches. Length 32 inches.

OPTIONAL EQUIPMENT: Rear roller, gauge wheels.

FRAMES

UNIVERSAL FRAME MODEL No. 33113: UNITS: 3, 5, 7 or 9 WIDTH OF CUT: 3 unit: 7' / 5 unit: 11'6" / 7 unit: 16' / 9 unit: 21'6" OVERALL WIDTH IN CUTTING POSITION: 3 unit: 8'2" / 5 unit: 12'8" / 7 unit: 17'2" / 9 unit: 21'8" OVERALL WIDTH TRAILING POSITION: 3 unit: 8'2" / 5 unit: 8'2" / 7 unit: 9' 1½" / 9 unit: Two configurations for trailing: 13'8" or 9'5"

THREE POINT HITCH FRAME MODEL No. 33503: UNITS: 3. WIDTH OF CUT: 6'10". OVERALL WIDTH IN CUTTING POSITION: 8'2". FRAME: Square tubular steel, welded construction.

ROUGHMASTER FRAME MODEL No. 33913: UNITS: 3, 5, 7, 9 or 11 WIDTH OF CUT: 3 unit: 7'2" / 5 unit: 11'10" OVERALL WIDTH, CUTTING POSITION: 3 unit: 9'6" / 5 unit: 13' / 7 unit: 18'9" / 9 unit: 22'3" / 11 unit: 00'0"

AERO FRAME MODEL No. 33953: 7 unit: 16'6" 9 unit: 21'2" / 11 unit: 25'10" HEIGHT OF CUT: Rear Roller 1¼": 3½" / Rear Pneumatic Wheels 1¼": 4½"

3 UNIT INDUSTRIAL FRAME MODEL No. 33403: UNITS: 3. WIDTH OF CUT: 7' 1¼". HEIGHT OF CUT: ¾" to 2¾" with 32 individual settings. OVERALL WIDTH: 8' ¾" (mower with steel wheels). FRAME: 1¼" standard pipe, welded construction.

TORO'S ANALYSIS SERVICE AND LEASE PLAN



HOW TO GET YOUR MOWING MAINTENANCE COSTS INTO LINE

Free analysis service answers all these questions

- Are your manpower costs for mowing too high?
- Can you improve the mowing results you're getting?
- Does your equipment have too-high maintenance costs?
- Can you keep the grass cut under heavy growing conditions?
- What is the best solution to each of your mowing problems?
- What is the value of your present cutting machinery?
- Are you keeping abreast of available modern equipment?
- Can Toro's fleet plan save you money? How much?
- How economical will new equipment be? And financing?

Find out if your mowing problems can be better solved . . . and find out fast just how much it will save. Toro's FREE analysis service puts grass mowing specialists to work on your problems. And there's no obligation.

Toro puts it down in black and white. A Toro representative will make an analysis answering each of the above questions (plus many more).

After all the facts are down, the representative will submit a fleet proposal. Again, it's all down in black and white, showing how you can save . . . the why, where, what it all adds up to this year and as an investment for future years.

You will see possibilities for dollar and time savings . . . a study of manpower . . . how economical a Toro equipment plan can be. Also, the Toro planning specialist will show and explain various methods of financing such as cash, time payment or lease.

Toro ANALYSIS SERVICE is yours for the asking.

TORO LEASE PLAN

Now you can have the use of any equipment shown in this catalog without making a cash investment.

Leasing allows you to acquire equipment by utilizing cash flow or operating budgets rather than capital investment.

- **24, 36, 48 month leases available** — straight lease or split 6 and 6* payments for accounts whose income peaks during one half of a year.
- **Toro lease plans overcomes obsolescence** — replaces equipment earlier than with traditional depreciation programming. Assists you in keeping abreast of new improvements and technology.
- **Low monthly payments** — you pay for equipment as you use it — not in advance. Allows management to budget monthly equipment expenditures to match monthly income.
- **Your Toro distributor has all the details** — lease one machine or your entire equipment fleet. Leasing provides the flexibility needed to match equipment requirements with budgetary limitations.

*Double payments made for six months.

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PEOPLE IN THE NEWS

Henry Mills, who has served since mid-1968 as direct sales representative for First Flight and Professional Golf Company's golf products in five Western states, has been named sales manager of First Flight's 11 state Western division. His duties include all sales activities connected with the division's First Flight club line, golf balls and Hot-Z golf bags. **Kenneth Click** has replaced Mills as the company's direct sales representative in Colorado, New Mexico, Utah and Wyoming, and **William Freudenberg**, who joined the company, will handle Southern California and Arizona.



Legg

Wilson Sporting Goods Company announced the appointment of **J.D. Legg** to the post of San Francisco sales division manager. He has been with the company since the late 1950s and has been since 1968 assistant to the manager in San Francisco.

Kearney-National, Inc., announced the appointment of **Roger L. Keech** as vice president, lawn and turf products. Keech will retain his title as a vice presi-

dent of the corporate staff in addition to heading the turfgrass products group, which consists of Hahn-Eclipse, West Point and Milbradt Mfg. Company.



Bado

Jacobsen Mfg. Company promoted **Joseph W. Bado** to the new position of product manager, turf equipment. He will coordinate the planning and merchandising of the company's turf products, including products by the firm's Rogers and Sod Master divisions, and will develop future turf products, improve and update present products.

David W. Mathers has been named sales engineer—commercial and turf products—for **Jacobsen**. He will cover Pennsylvania, Maryland, Virginia, portions of New York and West Virginia, Ontario and Quebec.

Edward J. Harrison was elected secretary of **J.I. Case Company**. He succeeds **Barton P. Jenks III**. In addition to his duties as secretary, Harrison will also serve as vice president and general counsel for the company.

Appointed assistant secretary was **David B. Falstad**.



Collins

Named president of **A.G. Spalding & Bros., Inc.**, was **Paul F. Collins**. Collins succeeds **P.M. Grieve**, who has held the post on an interim basis since the retirement of **Edwin L. Parker**. Collins was vice president-marketing for the **Rawlings Sporting Goods Company**. Prior to that he held general management, merchandising and manufacturing positions in the textile industry.

Robert D. Rickey was appointed vice president, customer and industry relations for **MacGregor Company** and **G.F. O'Keere** was appointed division director of marketing.

Lee A. Bilberry Golf Course Builder

Jimmy Demaret
CONSULTANT

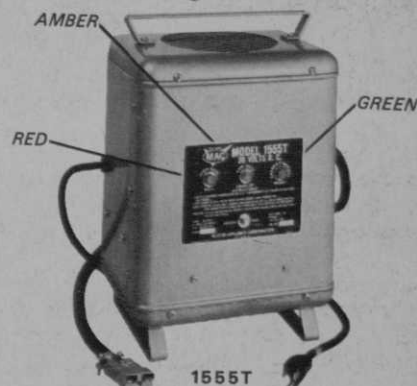


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NEWS OF THE INDUSTRY



Thomas P. Caldwell III, of Apopka, and Michael T. Ayer, of Ocala (center left to right), received Turf-Grass scholarships. Dr. G. C. Horn (left), professor of ornamental horticulture, and Dr. Charles B. Browning, dean of the College of Agriculture, University of Florida, look on. Caldwell received the Miami Beach Host Committee National Parks and Recreation Assn. scholarship; Ayer was awarded the Col. Frank Ward Scholarship. Both scholarships were presented by the Florida Turf-Grass Assn.

Fernquest & Johnson will be acquired

Fuqua Industries, Inc., an Atlanta-based diversified corporation, has agreed in principle to acquire **Fernquest & Johnson Golf Company**, San Francisco, manufacturer of golf equipment. The acquisition, now subject to the approval of the board of directors, will mark Fuqua's entry into the golf industry. In a move to create a major group of golf-oriented companies, Fuqua also is considering other acquisitions such as manufacturers of golf cars, balls and bags, according to a company spokesman. The firm,

however, already is involved in other leisure time products—snowmobiles, boats and camper trailers. F & J will be operated as a wholly-owned subsidiary.

Nylon Fabricators acquisition completed

Nylon Fabricators, makers of Duckster brand of nylon rainwear, warmup jackets and ski clothing, was acquired by **Professional Golf Company** for an undisclosed amount of cash and stock. Another division of Nylon Fabricators, Plastic Fabricators, produces plastic outerwear.

Plans are underway to produce a line of First Flight by

Duckster brand of clothing for golfers. The line will be marketed nationally through pro shops.

Stanley Berwald, founder and president of Nylon Fabricators, will continue as president of the new Professional Golf division.

Toro's quarter sales, earnings

Toro Mfg. Corp. reported first quarter sales of \$5,380,000 for the three month period ended October 31, 1969, and a loss after taxes of \$46,000, or 4 cents a share based on 1,014,122 shares of common stock outstanding. According to E.S. Conover, Toro president, the fall quarter historically represents a small portion of the company's total annual business.

Mr. Conover explained that an early, dry summer reduced retail mower sales, causing heavier than normal inventories at the dealer-distributor level during late summer and fall. These stocks have now been reduced through fall promotions, he said, and re-stocking is proceeding satisfactorily.

Club Car expands plant

Construction has started on a 15,600-square-foot addition to **Club Car's** manufacturing facilities in Augusta, Ga. The additional space will be devoted to the production of the Caroché, a four-wheel electric golf car. The firm is also building new offices and a facade.

USGA meets for annual conference

The **United States Golf Assn.** will present its Green Section Award during the annual conference on golf course management at the Biltmore Hotel, New York City, January 23. To be presented on January 24, also at the Biltmore, will be the Bob Jones Award.

Officers will be elected at the meeting and a new color motion picture, "The Open—Orville Moody at Champions," will be shown prior to the meeting at 10 a.m. The meeting opens at 11 a.m.

Philip H. Strubing of Philadel-

phia has been nominated to succeed Hord W. Hardin of St. Louis as president of the USGA. Other officers nominated are Robert K. Howse, Wichita, Kan., and Lynford Lardner Jr., Milwaukee, vice presidents; Henry H. Russell, Miami, secretary; Edward L. Emerson, Boston, treasurer, and Justin L. Stanley, Chicago, who has been renominated general counsel.

Two receive PGA award

Two professionals received the Professional Golfers' Assn. Professional-of-the-Year award at the PGA Annual Meeting, held recently in Scottsdale, Ariz.

The dual honor, the first in the 16-year history of the award, went to **Wally Mund**, Midland Hills GC, St. Paul, and **A. Hubert Smith Jr.**, Arnold Center GC, Tullahoma, Tenn. Basis for the selection was service to home clubs, PGA sections, longevity of service and promotion of golf in their respective areas.

Wally Mund, 58, has been a PGA member for 31 years and has held every office in the Minnesota Section. Nationally, he served two times as vice president and was national treasurer and secretary. He will serve his third term as national vice president.

A. Hubert Smith, 37, was the first president of the Tennessee Section. He is both head professional and supervisor of maintenance at his home club.

Allied Assn. attempts to solve mutual problems

The professional and trade associations of the private club industry met in New York City on November 24 to consider an agenda that included labor problems, taxes, the Civil Rights movement, tournament operations and the interrelationship between the club's management professionals. The meeting was characterized by William L. Pack, executive director of the National Golf Foundation as "at least 10 years overdue." The day-long session at the Downton Athletic Club brought together executives of the Professional Golfers' Assn., National

Assn. of Club Athletic Directors, Golf Course Superintendents of America Assn., Club Managers of America Assn., United States Golf Assn., the National Golf Foundation and the National Club Assn. Temporary chairman was Jack P. Janetatos.

Under the working title of the **Allied Association**, the group "made a major stride toward solving common problems in the only way possible, by working together," commented PGA president Leo Fraser.

In addition to defining their general interests in the club industry, the group found mutual areas of concern. They instituted plans for future action, particularly as they concern club activities and the public image of clubs and their associations; the social rights of private club operations, various associations and memberships; the need for statistics in an industry whose membership exceeds 4,000,000; taxes; the effect of tournament operation on the exempt status of private clubs and their concern with increasing property taxes.

eral committees to deal with individual problems and asked them to report back to the Allied Association at the next meeting early next year at a time and date to be selected by GCSAA president John Spodnick.

PGA prepares symposium

Although still in the planning stages, the **Professional Golfers' Assn.** is planning to hold a two-day symposium in New York City, in February, which will attempt to bring together and review all facets of the golf industry—including problems that now exist, such as slow play, golf course maintenance, golf on TV, golf equipment, golf course design, as well as anticipating problems that might be encountered.

Leo Fraser, PGA president, has appointed John Ross, former editor of **GOLF Magazine**, to conduct the program.

The meeting will be held at a hotel to be selected and there will be a question and answer period after each speaker.

FAMOUS RESORT FINDS NEW PROFIT MAKER

The Downingtown Inn and Golf Club, Downingtown, Pa., first turned a bare field into a lucrative driving range, then added the Venzke Vendor ball dispenser for increased profit.

Bob Romana, P.G.A. pro at Downingtown, says the machine, which operates on dollar bills, dispenses over 1,000 buckets per week. He also has extended the hours of range operation, since the Venzke Vendor takes care of itself.



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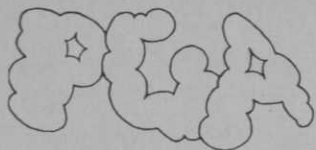
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For more information circle number 246 on card



continued from page 56

hood for men. Also sold by Harle-mark are Leemark processed athletic socks and peds, the Stream-liner waist to ankle girdle and Therma-Dri thermal underwear.

Haymaker, Inc. (represented by Ernie Sabayrac), offers a complete line of knits for the new season. Dacron knits in bermudas, slacks and skirts in various new fila-ments are available in a wide choice of colors. (See page 62 for more details.)

Hornung's Pro Golf Sales, Inc., offers Jockey Durene Cotton shirts in 15 colors.

Imperial Caps, Inc., offers for men: a planter's style hat in new stretchable straw; an Italian raffia straw with bandana-print band and brim binding; an English dress (Hogan style) cap in venti-lated nylon mesh; an Emblem golf cap (baseball style) in a nubby linen weave.

For women there is a reversible rain or sun hat of cotton print reversing to oxford nylon that features a flop brim.

International Golf Accessories offers the Allen Solly knitwear line for men and women.

Izod, Inc. (represented by Ernie Sabayrac), offers a completely washable outfit from the bottom up—socks, slacks, shirts and sweaters. It is all color matched and color coordinated.

In the Lacoste shirt, a new crepe and a new open sleeve model will be introduced in solids.

Jantzen Inc., makes the Three Under cardigan of one-third alpaca, one-third mohair and one-third wool. In a choice of 28 col-ors sells for \$20.

Jaymar-Ruby, Inc., represented by Jack Carnahan, Inc., makes bold-patterned shorts in blue, green or brown check on a natu-ral color background.

The Johnston & Murphy Shoe Company will display its Leveler and Fairway Collection of golf shoes.

The Kimberton Company has sport shirts for men and ladies with custom designed crests.

Kountry Klub Sportswear Company, Inc., manufactures golfwear for men and women. For men there are alpaca cardigans and pullovers, wool, mohair and Orlon sweaters and shirts.

For women there are alpaca cardigans, nylon windbreakers and golf peds.

Kunik Kasuals introduces its line of men's slacks with slightly flared bottoms, men's and ladies' body shirts, ladies' pants dresses and pants skirts.

Annie Laurie Originals has added a large variety of straw and cloth hats to its 1970 line. Cloth hats range from the sporty rain hat to the lace garden type.

Lemmer-Mayer Company, Inc., features Austrian prime alpaca cardigans, pullovers and shirts, in a variety of patterns.

Hill Star features knits from France (Mailcott), from Italy (Gekigolf) and from Scotland (MacPherson).

Leon Levin Sons, Inc., repre-sented by Donald M. Temple, are the originators of the patented Q-Skirt design.

Jack D. Levine, Inc. (Par-Mate), offers gloves in a variety of colors and styles. Club emblems are available on all gloves.

McMullen Company's prints

for short skirts, slack outfits, tu-nics and vests are designed and engineered by the company.

Munsingwear, Inc. (repre-sented by Golf Mart, Inc.; Great Lakes Golf Ball Company; Pe-dersen E. J. Smith), will exhib-it its Grand-Slam Sportswear Col-lection. In the collection are golf shirts in polo, mock turtle, crew and placket styles in a variety of fabrics and blends.

Al Northrup offers Kountry Klub's new Silent Swinger wind-breaker that eliminates the swish-ing noise from the golfer's swing.

Palm Beach Company offers coats with wide lapels and deeper vents. Western and half top mod-el pants will be made with stripes and small checks.

Austin Hill, the ladies subsid-iary, features a match and mix match coordinating line of golf skirts and culotte skirts in solids stripes and prints.

Gino Paoli. Color and texture are the keynotes of this year's line. Highlighting the women's apparel are skirts, culottes and shorts. New to the Gino Paoli line are the Italian-made trousers. Some models will feature modified flared bottoms. (See page 62 for more details.)

Parker Glove Company intro-duces the All American glove and the Velcro golf glove.

Parker of Vienna, represented by Jack Carnahan, Inc., offers a variety of cardigans and V-necks for men and women. Many styles combine alpaca and suede for a front design.

Paxton Sportswear, Inc., repre-sented by Donald M. Temple, manufactures men's slacks and walking shorts.

Pegie-By-The-Sea Originals of-fers tote bags with golf designs

and appliques on the front. Totes are made of linen with vinyl or totally of vinyl.

Penfold Golf Balls, Inc., has imported gloves that are made from selected Abyssinian skins and are pre-stretched to ensure perfect fit.

Morton Knight Protective Golf-wear jackets, trousers and skirts are made of Sudanese cotton.

Herman Phillips, Ltd., represented by Donald M. Temple, imports men's knitwear featuring lises of every description.

David L. Pransky & Sons distributes the following: Springfoot hosiery, sweaters, fleeced sportswear and underwear; Vanderbilt slacks, bermuda shorts and knit shirts; Converse/Hodgman rainwear and shoes; Dexter shoes; Westchester golf bags and bag sets; Edmont-Hill super grip gloves, stick bags and accessories; Lady Vanderbilt blouses, tops, shorts, socks and peds; Swift range balls; Pro-Fashion hats, caps, clubs, balls, windbreakers and accessories and Foster-Grant sunglasses.

Pringle of Scotland, distributed by Acushnet, offers sweaters for men in cashmere, wool and lambs-wool. Cardigans, V-neck pull-overs, turtlenecks and sport shirts, all in long sleeves.

Pro-Shu Company, Inc., offers waterproof golf shoes.

Puritan Sportswear Corp. makes shirts, sweaters and cardigans in a variety of colors and materials.

Rainbow Sales offers hats, caps, rainwear and windbreakers for men and women. In addition, there are gloves and imported slacks for men. Also offered are umbrellas and Skyway golf balls.

Grant Robbins Company, Inc.,

represents Colfax Industries (Leonardo Strassi), Gregg Draddy, W. M. Schmenke and Weinbrenner Shoe Company (Mulligan shoes).

Billie Ross of the Palm Beaches offers resort hats, bags and accessories.

Royce Hosiery Mills (represented by Ernie Sabayrac) has come up with knit socks in subtle and complementary colors.

Vic Ryan & Associates represents Rosenblums of California, makers of sportswear for women.

Ernie Sabayrac represents Braemar Knitwear, Ltd., Coberknit, Esquire Sportswear, Flip-It, Foot-Joy shoes, Haymaker, Inc., Izod, Inc., Royce Hosiery, Scott Mfg. Company, Varela Slacks.

Saddleman's Inc., offers a new cotton lisle golf shirt in the full fashion collar three-button placket in colors.

David Smith offers a complete line of sportswear in easy care fabrics, including Fortrel polyester and cotton, 100 per cent polyester knit and Arnel triacetate. Sportswear is offered in prints, plaids and stripes.

E. J. Smith & Sons Company offers sportswear by Munsingwear, shirts and sweaters by Alt-mann of Vienna and Basil Elliot, bermudas and slacks from Mr. Links, men's and ladies' rainwear by Hodgman, men's and ladies hats and emblems by Cali-Fame, golf rubbers and umbrellas, men's and ladies' socks, ladies' peds, shoe keepers by Rochester Shoe Tree Company, Inc., bags, retrievers, grips and shop supplies.

Softouch Company, makers of Golfsox and Golfped, has a wide selection of socks and peds for men and ladies.

Star-Grip Glove Company, Inc., makes golf gloves with a patented method of closure across the back of the hand which allows the wearer to take up the stretch in the leather as it occurs.

Leonardo Strassi's Pro-Am knit golf shirts come in 50 per cent cotton lisle and 50 per cent Ban-Lon.

In the classics, there are long and short sleeves in Ban-Lon.

Available in Mertelle Wear-Dated Acrilan are a Balmoral cardigan and a mock turtleneck. The line is represented by Grant Robbins (See page 62 for more details.)

Stylist Shoe Company offers 15 new styles for '70. The top of the line features gold-colored spikes, a monk strap shoe and a no split-no-curl kiltie.

Sweet Swinger, Inc., offers skirts, culottes, bermudas (in 100 per cent polyester Duprene), blouses, sweaters, polyester and cotton tops, shifts and pantshifts.

Swell-Wear, Inc., makes a complete line of waterproof outdoor clothing which includes jackets, coats, pants and outer sportswear.

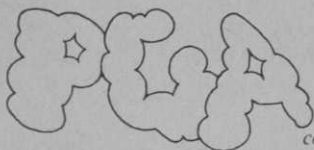
Donald M. Temple represents Leon Levin Sons, Paxton Sportswear and Herman Phillips, Ltd.

Texace Corp. offers an expanded line featuring colorful new fabrics. Included are rain hats made of Astrolon. Other Texace features are its NoSwett sweatbands and woven eyelets.

Town Talk Mfg. Company's In Color golf caps are made with a new fabric with Scotchgard finish and water repellent. Side panels are re-inforced with nylon mesh.

Towne & King, Ltd., makers of men's knitwear, offers a 100 per cent worsted spun Dacron polyester, machine washable and dryable sweaters.

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Varela Slacks, Inc., distributed by Ernie Sabayac, offers the following new features in its Spring 1970 line: 1-3/4 inch waistband, continental pocket with a hand-picked one-inch welt and psychedelic checks.

John Van Nortwick & Assoc. represents Edwards of California sportswear, Gean Edwards golf accessories, Gyro Club Corp. golf clubs and hosiery, Swell-Wear, Inc., rain and outer sportswear, Better Made Headwear, Fair-field sportswear, Well Made Pants Company, Inc., and his own Tambour rain and wind hat.

The Voyager makes sportswear for women. Their line includes play and golf dresses with separate shorts.

Weinbrenner Shoe Corp. (represented by Grant Robbins) introduces its Pro-Am Mulligans. (See page 128 for more details.)

Well Made Pants Company's Epplee, Ltd. (represented by John Van Nortwick), offers slacks for men.

E. T. Wright & Co., Inc., represented by Golf Mart, offers a brown full weight moccasin golf style.

ACCESSORIES

John C. Caulkins, Ltd., offers imported hand-embroidered blazer crests of gold and/or silver threads.

Eastern Golf Company has a wide variety of accessories for the golfer, including vinyl bags.

Fable of Florida, Inc., offers

club automobile badges and key chains, gold-plated English blazer buttons in sets of seven and hand embroidered.

Gean-Edwards, Inc., represented by John Van Nortwick offers Chuck-A-Roo golf bags with matching hats and headcovers.

Global Golf Products, Ltd., offers its own line of golf jewelry.

Gold Crest, Ltd., offers crests for sweaters and caps, crested jewelry and blazers, enamel badges, crested glassware, framed trophy crests and desk name plaques.

Gold Crown Products offers self-polishing Naughahyde headcovers with a simulated lambs-wool, which is impregnated with polish, in 19 combinations.

Tom Hill Golf Company's Bal-Bak ball has an anodized aluminum shaft which extends to eight feet 10 inches, it has Teflon slide bearings.

Kristal Kraft makes Pro-Kit golf club refinishing kit. Each kit contains Pro Strip (liquid finish remover), Pro-Stain (in a choice of four colors—black, cherry red, mahogany or walnut—Pro-Pour finish and all the tools required and complete instructions.

Edward W. Lane Company presents an expanded line of golfing prizes and awards.

Miller Golf Company makes a wide range of accessories including bag and membership tags.

Original Fur Company makes real lambs-fur golf headcovers, putter covers, berets and shoe buffers in long shaggy or sheared fur. All items are available in 18 colors and any combination of colors can be put together.

Al Northup handles the accessories of Coleman Golf Corp., Dayton Stencil Works and his own Score with Northup products.

Reliable of Milwaukee offers golf accessories for men and women and Club-Sox for woods and putters.

Scott Mfg. Company's new Travel Covers are made of canvas duck that is mildew and water repellant. They have an extra large 46-inch circumference and are 50 inches long with a 12-inch bottom and are made with a heavy duty brass zipper.

Sports Novelties offers the golfer novelties of all kinds. Included are Golf Ball Marker Key Chains, golf jewelry and figurines.

Dick Watson introduces a new gift item for the golfer. The Owl Combo is a combination tee, golf ball and caddie marker.

Allsop Automatic, Inc., offers the Shoe-In valet and traveler. This unique shoe rack straightens the sole and maintains a much larger wearing surface, straightens the upper, allows air drying.

OTHER

Atlantic Golf Equipment Company carries a complete line of range balls, dispensers, washers, ball pickers, mats, mowers, pails, tees, flags, flag poles, cup cutters, markers, and rakes.

Datano Products Div., Dayton Stencil Works Company, makes golf bag tags and golf signs.*

DeVac, Inc., introduces teaching device, the Assistant Pro, for both class and individual instruction.

Display Creations has a wide selection of display units and

continued on page 128