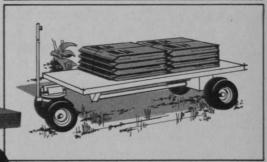
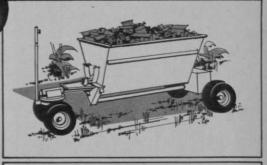
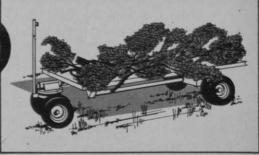
# Champion Doo-All Trailer

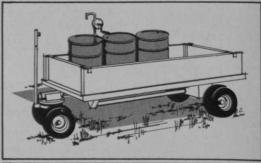
WITH **INTERCHANGEABLE** FLAT BED OR HOPPER

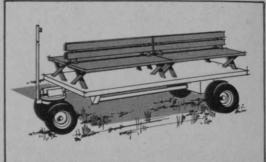












HERE IS THE ANSWER to your problem of moving heavy materials around your golf course.

Champion Doo-All Trailers, equipped with 1-cu.-yd. hopper and interchangeable flat bed, can help you do a hundred jobs more quickly and efficiently.

With the hopper in place, you can haul sand, top dressing, or any bulk load to where it is needed on the course. Lift off the hopper, remove four bolts and put the flat bed on, and you have the perfect vehicle for those many hauling jobs (sacks, drums, benches, debris) that come up throughout the year.

TERRA-TIRES Protect turf from rutting . . . Big, easyrolling Terra-Tires spread the load over a 48" width of ground. You get the work done when needed without added problems of turf damage or ruts.

For big bulk loads, there is a Champion Trailer with 2 cubic yard hopper — See your equipment jobber or write for details.

THE CHAMPION COMPANY

SPRINGFIELD, OHIO 45501



For more information circle number 184 on card



and removable shelves for loading flexibility. The Model SKUCF-7 freezer matches the refrigerator in size and appearance. The Model SKSB-7 sandwich/salad bar has six stainless steel salad pans, a removable and reversible hardwood cutting board and a full-width crumb catcher at its top.

Circle No. 102 on reader service card

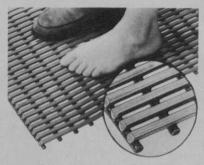


Miles Laboratories, Inc., offers Sungard Sunscreen Lotion which blocks the sun's rays in the wavelength most damaging to the human skin when used as directed.

Circle No. 101 on reader service card



Silver King Division, Stevens-Lee Company introduces three new models of portable and matched under-counter refrigerators, freezers and sandwich/salad units. The Model SKTTR-7 refrigerator has two adjustable



American Floor Products Company offers an all vinyl rack-like sauna matting for use in locations where open drainage is desired. The Sauna Vinyl Mat is resistant to acids, grease and alkalis and is slatted for drainage and aeration. The Mat comes in a variety of colors with standard roll widths approximately 20, 30 and 40 inches and standard 40-foot lengths, although special lengths can be manufactured.

Circle No. 103 on reader service card



Brillion Iron Works, Inc., introduces the Terra-Scraper Landscape Tool—a rake that works the soil, grades, levels and finishes. The optional gauge wheels can be mounted in three positions for regulating working depth and easier maneuverability. Additional options include a two-edged, double-life grader-scraper blade with or without end boots for additional blade capacity, and a scarifier for ripping and ioosening sod, ridges and packed ground prior to grading. The TerraScraper is available in six and eight foot three-point pick-up models for use with Category I tractors.

Circle No. 104 on reader service card

Thunderbird Container Corp. introduces a two-ounce portion control cup made of styrene with a snap-on lid in either white polyethylene or paper tabs. In addition to the new two-ounce cup, Thunderbird offers 1 1/2 ounce, one ounce, three-fourths and nine-sixteenths ounce cups.

Circle No. 105 on reader service card



Marlin Mfg. Corp. introduces a wall-mounted, food temperature measuring device that provides a precise, instantaneous internal temperature reading of any cooking food—no matter where or how it is cooked. Designated Tend-R-Cator, the self-powered unit measures food temperatures to within  $\pm 3F$  and produces a readout on a large meter scale.

**GBC Closed Circuit TV Corp.** has developed MINI-CCTV, a CCTV system with built-in twoway sound. The MINI-CCTV comprises a tiny camera, a fiveinch monitor and a 30-foot interconnecting cable. It can be installed by plugging the monitor into an AC wall socket and connecting it to the camera by means of the cable. The two-way sound is controlled from the monitor, giving the user the option of listening to sounds from the camera location or turning them off. The MINI-CCTV lists for \$350.

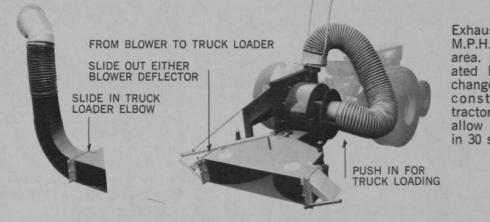
Circle No. 107 on reader service card

Continued on page 84

# BUY GIANT-VAC GET GIANT ECONOMY GIANT-VAC universal P.T.O. unit converts to

blower, vacuum, thatcher, truck loader . . .

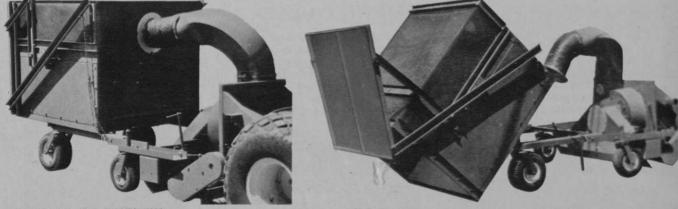
## As double headed blower ... to truck loader in 30 seconds



Exhaust velocities exceeding 250 M.P.H. rapidly clean a large turf area. By flipping one tractor operated lever, the air discharge is changed from left to right allowing constant windrowing regardless of tractor direction. Special features allow converting to a Truck Loader in 30 seconds, as shown.

#### As vacuum, thatcher and truck loader ...

Vacuums a 6 foot swath and thatches large acreage at the same time. Truck Loading hose attachments may also be added to this combination. A variety of self-dumping trailers are available.



VACUUMING AND THATCHING

SELF-DUMPING

GIANT-VAC offers a P.T.O. driven power unit which performs many functions. Propelled by a standard tractor, this unit with available accessories is versatile and efficient. It can be operated as a double headed blower, cleaning many acres per hour. Attachments are available which convert the Blower to a Truck Loader in less than a minute. This P.T.O. unit is readily changed to a 6 foot vacuum machine. A Thatcher can be added to the vacuum head. Thus, large areas may be thatched and efficiently vacuumed at one time. Other attachments are also available, as well as, an assortment of debris collection trailers.

Other Giant-Vac products include . . . Truck Loaders from 12 to 65 H.P. . . . Giant-Blos from 5 to 65 H.P. . . . Giant-Vacs from 5 to 10 H.P. . . . Thatchers . . . plus many standard accessories to custom-fit your needs.

#### **GIANT-VAC MFG. INCORPORATED**

AFFILIATE OF H. L. DIEHL COMPANY, INC. SOUTH WINDHAM, CONN. 06266

Pioneer of Vacs

For more information circle number 179 on card



Continued from page 82

NEW PRODUCTS



**Food Industries, Inc.**, has added a new line of prepared, portioncontrolled puddings to its Swirl line. The vanilla, chocolate and butterscotch refrigerated puddings are available in three-ounce individual servings.

Circle No. 108 on reader service card

**W-W Grinder Corp.** offers a six hp electric start shredder-grinder. Model 66G, with gasoline engine, comes complete with 12-volt battery and 4 amp. alternator. Interchangeable shredder roller bars and grinding screen permit shredding coarse materials for compost or mulch and changeover for grinding finished compost, top dressing or potting soil.

Circle No. 109 on reader service card



**Bernard Franklin Company** offers free a Storage and Work Area Equipment Catalog, volume 3, no. 1, for executives responsible for storage planning. The manual is also filled with ideas on how to layout new storage areas.



Circle No. 110 on reader service card

Continued on page 86

# **RED RIDER...**

# First 70's!

## with new ideas for turf utility equipment

#### **NEW...**an even better Red Rider!

More driver comfort . . . ten new features. New drive chain take-up for longer chain life. Most reliable, most dependable work cart in the country. First in the 70's!

#### **NEW...**Red Rider's Spray-Mate!

An all-new, low volume sprayer for greens, tees, trees. Spray-Mate is a self-contained, 4-wheel, piggy back sprayer that needs only *one* man to load and operate. Fifteen-foot boom and fifty-foot hose with nozzle included. Has 65-gallon fiberglas tank, pump that generates 500 psi.

#### NEW.... "Big Red" – an even bigger Red Rider!

Extra-wide Red Rider carries more men and equipment to more places with fewer trips. BIG RED easily handles the widest aerator or three greensmowers on its 56" broad deck. It's the *biggest* machine and *biggest* bargain on the fairways. BIG RED costs only slightly more than our regular RED RIDER.

All Red Rider utility equipment is designed, engineered and manufactured solely for golf courses and other large turf areas.

ANOTHER REASON WHY YOU CAN BE "FIRST IN THE 70's," WHEN YOU GO WITH SMITHCO.

11 WEST AVENUE, WAYNE, PA. 19087

For more information circle number 236 on card



Penncross Creeping Bentgrass is the finest seeded putting green grass available. Penncross Bentgrass germinates fast; is dark green in color; disease resistant; out-competes Poa Annua; is even in texture for true putting. Ask for putting green quality available at your dealers in 25-lb. and 10-lb. bags. For more information, write:

 PENNCROSS BENTGRASS GROWERS ASSOCIATION

 4491 Liberty Road So.
 Salem, Oregon 97302

#### THE GRASS DESIGNED FOR GOLFERS

For more information circle number 172 on card



### The master label for any golf course. IBERIA, of course.

Building complete new courses is our specialty, and our references are good ones ...all of them.

We'll also bid on rebuilding an existing course, moving tees and greens, or installing a water system. With more references.

Try us.

**IBERIA** EARTHMOVING SERVICE, INC. Iberia, Ohio 43325 Phone (Galion) 419/468-5454

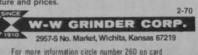
For more information circle number 180 on card 86 • GOLFDOM/1970 APRIL GIVE YOUR GROUNDS A BETTER CHANCE with a W-W SHREDDER GRINDER

Choose the capacity you need to handle all your soil preparation, top dressings, mulches and build compost piles. Shred, grind, mix, screen with easily interchangeable shredding rollers and grinding screen. Handle osmunda, peat moss, even phosphate rock with big capacity to cover large areas – fast!



W-W MODEL 4 with optional Detachable Elevator / Process up to 20 cu. yds. per hour with standard 35" x 36" hopper and 9-hp. engine. Independently powered elevator can be used separately when desired. Options include oversize 36" x 52" hopper for tractor loading and 12-hp. engine for increased capacity.

Interchangeable shredding bars and grinding screen are standard on W-W Shredder-Grinders. Replaceable hammer tips are reversible for double life. Solid cast-iron main frames are guaranteed for a lifetime against corrosion. Write for liferature and prices.



#### **NEW PRODUCTS**

Continued from page 84



Engineering Products Company offers 32-inch rotary tiller for 12 and 14hp Economy tractors. Since there is no fluid-drive loss with Economy's 100 per cent geared drive-train, nearly all the tractor's 12 or 14hp can be applied to the tiller for fast, deep cutting.

Circle No. 111 on reader service card



**Par-Mate** offers its 1970 catalog featuring 20 styles of golf gloves. Also included are the hosiery section highlighting a group of stretch crew socks for men and the umbrella section featuring a 48-inch spread umbrella with plastic windows in every other panel and a pagoda top umbrella for ladies.

Circle No. 112 on reader service card

# new Lewis fluorescent flagpole spots cup on green from 150 yards out!

Ken Voorhies, Greens Superintendent of Columbine Country Club, Denver, Colorado, site of the 1967 PGA Tournament says: "Lewis Fluorescent Poles caused a lot of favorable comment from the pros. Our members appreciate their vertical attitude and exceptional visibility".

Lewis leads again! The new Lewis Fluorescent high-visibility Flagpole adds a new dimension to golfing skill and pleasure by pin-pointing the exact location of the cup on the green.

The fire-orange Day-glo® paint used on the Lewis Flagpole casts a halo around the pole from 100-150 yards out. This gives it increased thickness and size to players approaching the green and prevents "fade out" against a bright sky or under hazy conditions.

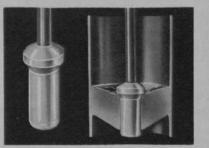
Ken voorhies uses a triangle to demonstrate the vertical position of the new Lewis highvisibility Fluorescent Flagpole.



#### There's a Lewis Flagpole for every course use...

All Lewis Flagpoles come in a variety of colors, heights and patterns for directional, green or marking needs. Their fiberglass construction makes them lightweight, flexible and almost indestructible in high winds.

Lewis Flagpoles swivel-top assemblies are made of hardened aluminum with a special washer and screw to resist corrosion, reduce wear and lengthen life. Write today for the Lewis Line Golf Course Equipment Catalog.

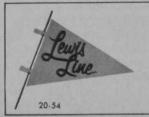


10

Chamfered Ferrule & Cup - Advanced design of new Lewis 34° chamfered pole ferrule and matching chamfered cup, sets pole firmly in socket, holds it rigid on windy days.



Deluxe "No-Splash" Washer- Nylon brushes - stainless steel rods - no-pilfer handles - neoprene gaskets - these quality features of the GF-52 Washer assure long life, low maintenance.



# Lewis Line GOLF EQUIPMENT

Cup Cutter • Cups • Flags • Flagpoles • Tee Markers • Tee Stations • Ball Washers Practice Markers . Cup Setters & Pullers . Rakes

CONTAINER DEVELOPMENT CORPORATION • 4104 Montgomery • Watertown, Wisconsin 53094

For more information circle number 162 on card





**H. D. Hudson Mig. Company** is offering a sprayer and weed killer combination at a cost below the price of the sprayer alone. The following combinations are offered: three-gallon Weed Shooter sprayer with one package of 12 Pill-Kill brand pills or the threeor 1 1/2-gallon Weed Shooter with two Pop-in brand pre-measured packets of weed killer.

Circle No. 113 on reader service card



**Cosom Corp.** offers the "3-in-1" Official Golf Club as an inexpensive aid in teaching stance, grip and swing for three fundamental golf shots—the drive, chip and putt. Consisting of a polyethylene wedge at the end of a vinyl shaft provided with a hand grip, the nearly perpendicular side of the club end is designed for driving, the slanted side for chipping and the long flat side for putting. The set retails for \$3.

Circle No. 114 on reader service card

Continued on page 89



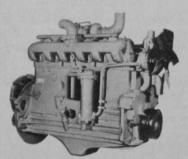
#### **NEW PRODUCTS**

Continued from page 88



**Crown Rubber Company** now offers Out-Adore mats and matting in new sizes and colors to permit indoor as well as outdoor use. Made of 100 per cent ribbon polypropylene - on - vinyl, Out-Adore is stain resistant and won't fade, mildew or rot under normal usage. The new colors include green, dark/light brown, cocoa and red/black tweeds.

Circle No. 115 on reader service card



J I Case Company has developed a completely new family of four and six cylinder in-line, openchamber diesel engines for its construction, forestry and agricultural equipment. The engines range in power from 67 to 180 pto hp and Case plans to have them installed in almost every powered product in its entire line of equipment by early 1970.

Circle No. 116 on reader service card

The Cyclone Seeder Company, Inc., introduces a stainless steel lawn spreader. The hopper, feed plate and spreading fan are constructed of non-corrosive stainless steel to withstand the effects of ice melters and fertilizers.

Circle No. 117 on reader service card



Nyman Mfg. Company offers a line of disposable paper plates and containers, consisting of six, seven and nine-inch plates, a 12ounce bowl and 8 by 10 partition plates. The plates are coated with plastic and made with a heavy-weight board. The line comes in harvest gold and avocado green with a floral print.

Circle No. 118 on reader service card



**Dri-Slide, Inc.**, now offers its lubricant, Dri-Slide, in one-ounce, squirt type cans. The product, according to the company, cleans, penetrates, lubricates, inhibits rust and offers dry, slick, dust-free surfaces withstanding an excess of 100,000 psi. The one-ounce can retails for 69 cents.

Circle No. 119 on reader service card

Union Wire Rope, a division of Armco Steel Corp., offers a data booklet describing aluminized steel strand which combines the strength of high carbon steel with the corrosion resistence of aluminum.

Circle No. 120 on reader service card

Plymouth Golf Ball Company introduces a high-compression, one-piece golf ball. According to Plymouth, this ball flies off the clubface with a sharp click and feel unknown in one-piece ball construction.

Circle No. 121 on reader service card



Highland Colonial Bent is the fine-bladed luxury grass that provides the thick, deep green carpet demanded by today's golfers.

In a mixture or alone, Highland Bent helps provide that **natural tee** your golfers want. Remember, Highland is one of the most economical of the fine-bladed grasses.

It is adaptable to a variety of climates and soil conditions and will thrive at its ideal cutting height of  $\frac{3}{4}$  inch or even when close cut to  $\frac{1}{4}$  inch. With 8 million seeds per pound, you have

With 8 million seeds per pound, you have a great potential number of plants. Drop us a note for free literature on cultural practices as well as a brochure that answers most questions about Highland.

Just possibly, Highland Colonial Bentgrass is the greatest value in grass seed today!



GOLFDOM/1970 APRIL . 89

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**Golf Course Architect** 

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