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USE IT AS A TRACTOR to pull gang mowers or other non self-propelled equipment. Big 9.50 x 8 traction-tread tires give plenty of traction without

damaging turf. Six speeds forward through dual-range transmission and variable speed governor give proper speed and power for uneven terrain.



USE IT AS A SMALL TRUCK for carrying personnel and equipment everywhere. Has governed top speed of 19 mph and 1,000 pound payload, for quick,

inexpensive transportation within the park, golf course or cemetery, on the roads or cross country.



USE IT AS A SPRAY RIG with boom for spraying greens, without boom for large areas, or with hand sprayer for trees and shrubs. Sprayer attachment operates through optional power take-off. Power take-off can also be used for operating compressors, generators, etc. The most versatile vehicle in your toolshed!

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For more information circle number 220 on card

Bob Hope Desert Classic '68



Golfcraft was there.

Sponsors of the Bob Hope Desert Classic recognized another "classic" in Golfcraft's luxurious quality. 90 luxury golfbags were awarded to the top amateurs. For the classic look in golf equipment turn to Golfcraft.

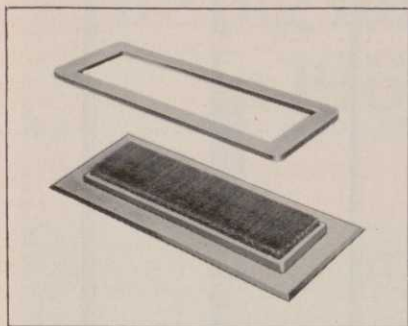


Vancouver, Canada / Escondido, California /
Chicago, Illinois / Morrisville, Pennsylvania

For more information circle number 233 on card

New products

Continued from page 70



Flexi-Mat Corporation has developed a new Turf King green brush mat. Its patent pending—2" flange, plus its vacuum cushion rubber base prevents brush mat from slipping while in play and will stay put on any surface.

For more information circle number 102 on card

Greer Olaer Products manufacture a hydraulically-operated golf club test unit that uses a hydropneumatic accumulator to provide extra power. Designed to test the velocity and impact characteristics of various types of golf clubs, the golf swinger can be electronically reprogrammed to simulate the swing of any golf pro.

For more information circle number 103 on card

Northwestern Golf Company manufactures its own exclusively designed putters, available with steel, aluminum, bamboo or hickory shafts. There is a choice of 17 head models.

For more information circle number 104 on card

Lamkin Leather Company produces non-slip-on rubber and leather golf grips. Both types are available to fit all shaft sizes in men's or women's gauge. They are shipped in a standard kit of 12 grips, or in bulk along with complete instructions.

For more information circle number 105 on card

Creative Ideas, Inc. is manufacturing a golf clock. It comes with a wooden frame, billiard green background, golf balls, brass fittings with golf bag and golf club decor. The electric model is \$24.95, the battery operated model is \$29.95.

For more information circle number 106 on card

Power Cart, Inc. announces its new battery powered golf cart that will go 36 holes without re-charge. It weighs 50 pounds and carries one or two golf bags. It can be stored in an automobile trunk via a removable handle.

For more information circle number 107 on card

Continued on page 74



FROM THE FIRST TEE TO THE 19TH HOLE... A ROYER SHREDDER MAKES A BETTER COURSE

Royer Soil Shredders are currently being used at most of the best-known golf courses in the country. And for good reason. These shredders provide the most efficient means available for preparing top-quality soil mixes. The kind of mixes that produce greener greens, smoother fairways, tighter tees and overall, just a better-looking better-playing golf course. ☐ Consider our Superintendent Model—the Royer that's intended *especially* for golf courses. It's big enough to handle expansion and reconstruction jobs (produces at the rate of 15 cubic yards per hour), yet small and mobile enough to use when top dressing greens and tees. (It thoroughly mixes, cleans and aerates any formula to a top dressing that spreads easily, doesn't stratify, and guarantees ready percolation of water and fertilizer.)

☐ Between these jobs you can use the Superintendent for many other chores involving soil mixing. Like building a turf grass nursery, preparing a compost pile, emergency turf repairs and even landscaping at the 19th hole.

☐ Our new booklet, "Golf Course Superintendent's Guide to the use of Royer Equipment" outlines these uses and several others. It also includes some tips on using the Royer Powerscreen. There's no obligation; a copy is yours for the asking.



ROYER

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For more information circle number 167 on card

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More than an order form, it's really a catalog listing everything you need for your repair shop, including: Stains, Lacquers, Adhesives, Golf Club Scales, Grips, Listing, Whipping, Shafts, Collars, Plugs, Sheathing, Buffing and Cleaning Supplies plus "Golf Club Alterations and Repairs", Kenneth Smith's Shop Instruction Manual. Write for your Order Blank TODAY!

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GOLF CLUBS
Hand Made to Fit You

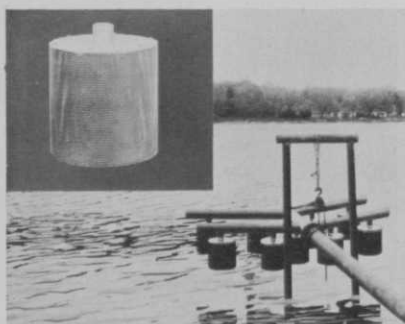
World's Largest Custom Club Maker

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For more information circle number 223 on card

New products

Continued from page 73

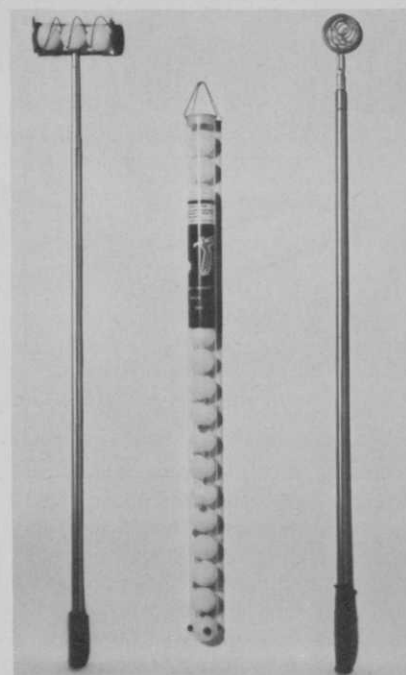


Tri-City Manufacturing Company has designed the Algae Queen suction filter. Made of acid resistant porcelain enameled heavy steel, this new concept in water filtering eliminates clogging of sprinkler heads and pumps, allowing full flow of water.

For more information circle number 108 on card

Whitney Seed Division of W. R. Grace and Company has recently announced a new Chewings Fescue variety, High-light. The company claims it gives closer-knit sod, better blendability and more erect growth.

For more information circle number 109 on card



Kabriko International, Inc. is the manufacturer of a new innovation in golf ball retrievers called the Scavenger. It can locate lost balls that are buried deep in mud or high grass and automatically snaps up three balls at a time. This retriever extends 10 feet and it fits into any golf bag.

For more information circle number 110 on card



For you whose work includes the care of fine turf—cemetery, golf course, or park—we have a utility trailer specifically designed for your special needs. Roll-Dump hopper holds a cubic yard . . . or you can take off the hopper and put on a flat bed or wagon bed. Terra-Tires safely carry heavy loads without rutting turf. Champion Doo-All is a rugged trailer designed for years and years of hard work.

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write for brochure

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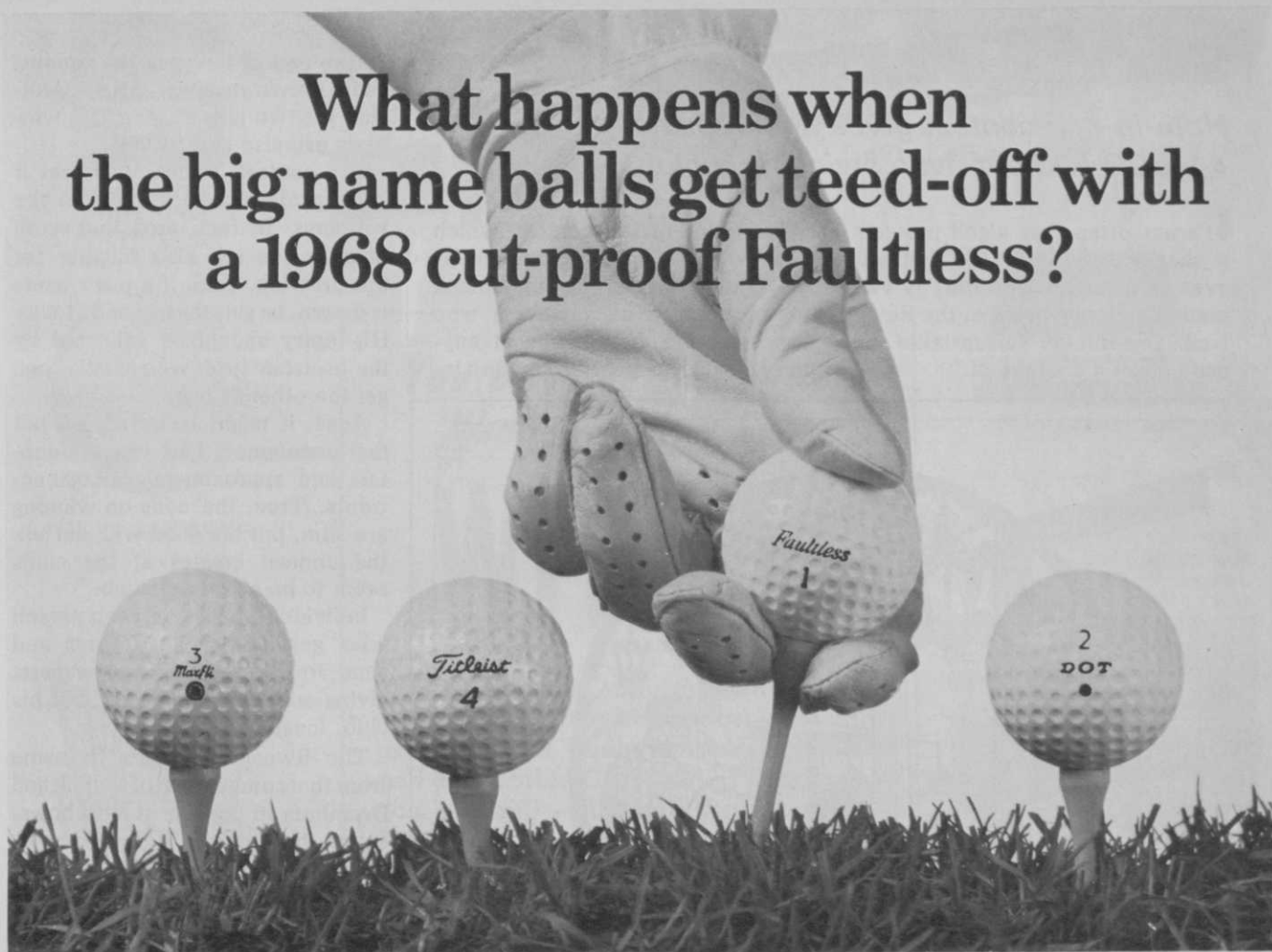
Springfield, Ohio 45501

610 16th Street, Oakland, Calif. 94612

856 Millwood Road, Toronto 17, Ontario

For more information circle number 159 on card

What happens when the big name balls get teed-off with a 1968 cut-proof Faultless?



The Faultless comes closer to the pin.

The over-all performance of the '68 Faultless is proven virtually day after day in a continuing series of carefully controlled tests. Certified tests.

Dozens of conventional championship balls along with dozens of ours are fed to a two-ton hitting machine. This unique device is a precision scientific instrument. It hits out ball after ball—ours and others—at exact prescribed rpm's under controlled temperatures. Each ball is hit exactly the same. Perfectly.

In one of our latest tests, Faultless took on Titleist, Maxfli

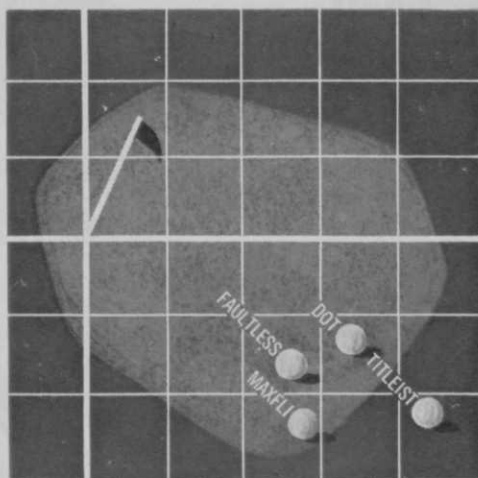
and Dot. (Pretty fair competition, wouldn't you say?)

Result?

Look at the diagram. Faultless proves once more it goes as far as—or farther than—big-name balls. And stays on line measurably better.

The difference is what Faultless *doesn't* have. Like a core. Or winding. Components you can knock out of balance.

Faultless doesn't give you a cover to cut, either. Because a Faultless is one solid sphere. Like hitting a new ball every time you swing. And it's all legal. The new Faultless Professional and Futura conform with all U.S.G.A. rules.



	LONGEST HIT	SHORTEST HIT	AVERAGE DISTANCE	AVERAGE LEFT & RIGHT DEVIATION TOTAL
TITLEIST	206 yds.	195 yds.	201.6 yds.	24.2 ft.
MAXFLI	205 yds.	195 yds.	201.4 yds.	15.9 ft.
DOT	208 yds.	199 yds.	203.6 yds.	18.6 ft.
FAULTLESS	211 yds.	191 yds.	202.3 yds.	15.3 ft.

TEST CONDITIONS: Variable 2-14 mph following wind. 12 new balls hit of each brand. Each ball hit exactly the same: 325 rpm's on hitting machine. Flights measured from hitting machine to point of first touchdown.

Sweepstakes for the club pro

Hole-in-one contest gives him a chance to win \$1,000 without even swinging a club

It's not often that a golf pro gets a chance to win \$1,000 without even swinging a club. But, by validating an entry blank in the Rusty Nail Hole-In-One Sweepstakes, he can pocket a cool grand.

The rules of the contest, which is now in its eighth year, are simple. The pro signs the entry blank of any one of his members who has scored a hole-in-one at any time during the year and mails it in.



*Back when golf
was a rich man's game—*

SKINNER *was there!*

Back in the twenties and thirties—Rolls-Royces, Packards, Pierce-Arrows, Franklins, chauffeurs and caddies were common sights at clubs the country over. Out on the course, you found mainly the wealthy—for they were the people who had both the time and the money to play the game. There have been a lot of changes in golf since then—and in golf course irrigation, too. Skinner systems of today don't look much like they did back in those days. Only the quality is still the same—as it has been for 70 years. Write us: The Skinner Irrigation Company, 415 Water Street, Troy, Ohio 45373. We'd like to tell you about our products.



**the oldest name in
irrigation equipment**

For more information circle number 146 on card

At the end of the year, the winning name drawn receives a trip to Scotland for two plus \$1,000. The winner's pro also gets \$1,000.

The contest is unique in that it gives professionals a stake in the winnings. In fact, pros that score holes-in-one are also eligible for the drawing. And, if a pro's name is drawn, he gets the trip and \$1,000. His entry should be validated by the assistant pro, who would then get the other \$1,000.

Aces, it might be noted, are not that uncommon. Last year the contest had approximately 12,000 entrants. True, the odds on winning are slim, but the good will and talk the contest creates at the clubs seem to be reward enough.

Individual stories on each person who gets an ace are written and sent to home-town newspapers, giving not only the entrant, but his club, local publicity.

The Sweepstakes gets its name from that combination of Scotch and Drambuie so popular at 19th holes, called the Rusty Nail. Drambuie, by the way, is the contest's sponsor.

The sweepstakes, which is growing in size annually, is open to any person who scores a hole-in-one on a regulation public or private golf course in the United States, the Caribbean Islands, Bermuda or Puerto Rico.

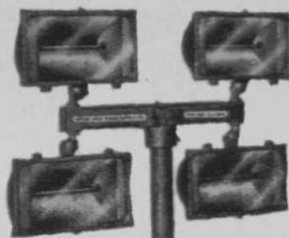
The winner for this past year, is Lt. Col. Floyd F. Campbell, Ret., of Yorba Linda, Calif. Dale Andreason, of Yorba Linda Country Club, Yorba Linda, Calif., was his lucky pro.

Other pros who have won in the past are: Otto Greiner, Knickerbocker Country Club, Tenaflly, N.J.; Hal Cahoon, Concord Country Club, Concord, Mass.; Fred Austin, Marion Golf Club, Ardmore, Pa.; Lou Sabo, Old Orchard Country Club, Arlington Hgts., Ill.; Ben McMullin, Yankee Run Golf Club, Brookfield, Ohio, and Robert Shields, Quincy Country Club, Quincy, Ill.

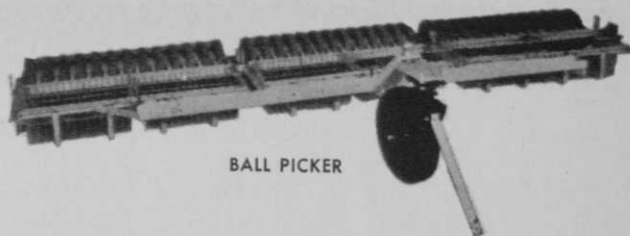
The details are organized, and the publicity is generated, from Ted Worner Associates in New York. Colorful display posters and supplies of entry blanks are periodically mailed to golf professionals throughout the country. The pros are also consistently reminded to get their entry blanks in, via postcards and letters. □



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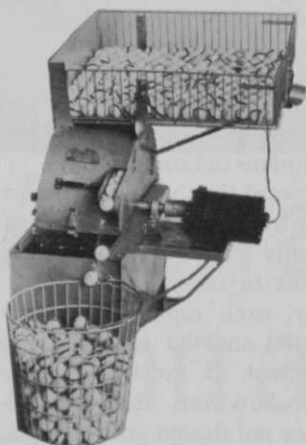
BALL PICKER



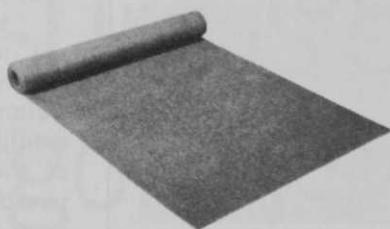
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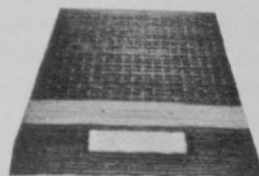
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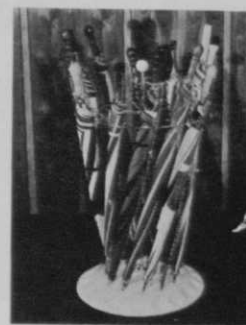
GOLF RANGE MAT



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RUBBER BASE BRUSH MAT



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UMBRELLA STAND



WITTEK AUTOMATIC
GOLF BALL DISPENSER

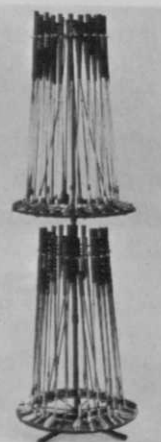


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You can cut time

Continued from page 29

existing course through alterations.

For example, in the graph the high waiting time for Alternative A at the third hole could most likely be reduced by increasing the difficulty or length of holes 1 and 2 and decreasing the difficulty of hole 3. (It is interesting to note that hole 3 on the existing course had a difficulty classification of 3 due to a narrow fairway and a blind tee shot).

The architect must be careful, however, that the changes he makes on the first three holes actually reduce the waiting rather than transferring it to another hole further up the line. He can guard against this by checking his revised design with the GCS program. Incidentally, upon completion of the above example, the results for Alternative A were verified by comparing the simulated figures to the actual course conditions, and the correlation between the computer world

and the real golf world was found to be extremely close.

The GCS program was introduced recently to several architects for their opinions. Some feel that the program is useful for public courses, but limited memberships reduce its need at private clubs. Contrary to this opinion, the author believes that almost all courses have peak traffic periods and that the high cost of private club memberships should mean that, though it may not be as crowded at peak periods, private club members have the right to play a course where smoothness of play has been considered.

Another comment often heard from the architects was that they already can tell how smooth a course will play before it is constructed. Perhaps the architect can tell where some major delays will occur, but it would be impossible to intuitively give a valid quantified answer as to how much waiting time will be encountered and where that waiting time will occur on a proposed course.

As you can surmise, the GCS program is extremely simple for architects, or possibly course owners, to use.

- (1) Provide a layout sketch or drawing and fill out an Architectural Data Sheet,
- (2) Calculate the analysis cost and complete the order form,
- (3) Forward the above documents with a check covering the cost.

It usually takes approximately two weeks to receive an answer. Naturally, each report is strictly confidential and the sole property of the client. It must be re-emphasized, however, that the program *does not design golf courses*. It merely gives quantitative data for use in evaluating on-course waiting times. □

About the author—Donald B. Cook is president of Donald B. Cook & Associates, management consultants specializing in industrial engineering studies in areas such as systems design, facilities evaluation, and plant and office layout. He holds a Bachelor of Science degree in Industrial Engineering from Rutgers University and a Masters in Business Administration from the University of Washington.



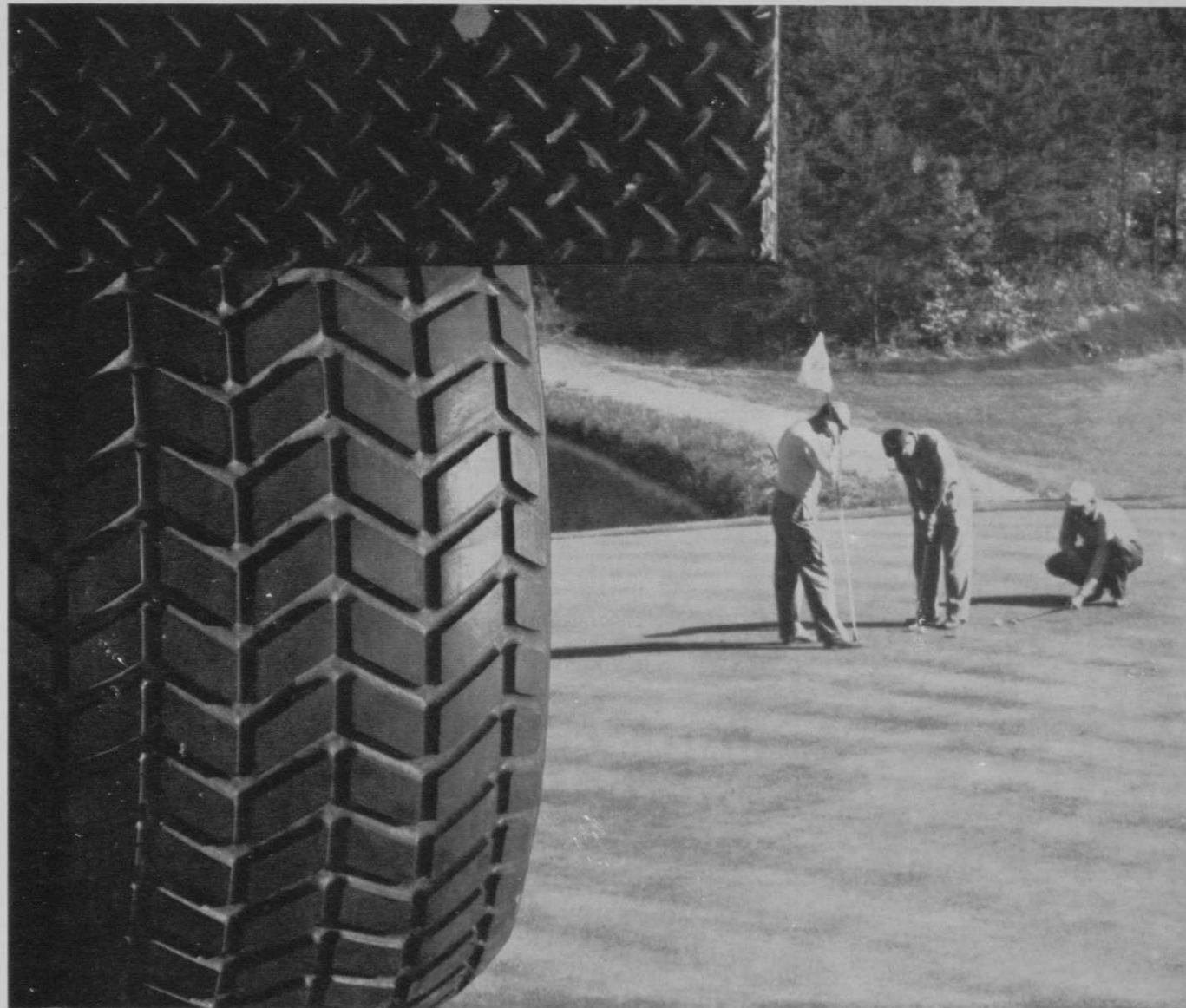
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A Terra-Tire is easier on turf than a golfer's shoe

A Terra-Tire on a golf car exerts only about eight pounds of pressure per square inch on the fairway. Walking pressure, under the heel of a golf shoe, can be as much as 24 pounds per square inch.

Less pressure means less turf damage.

Extra-wide Terra-Tire won't sink into the ground, won't cause ruts or ridges.

What it *will* do is give sure-footed traction and rock-steady stability on slopes.

And Terra-Tire has such low rolling resistance, compared to conventional profile tires, you can usually get nine *extra* holes or more on a battery charge.

No wonder that leading public and private courses use Terra-Tire-equipped golf cars—for better turf protection and outstanding performance.

Terra-Tire is available in traction (shown here) and rib treads.

For all the facts, please write: Manufacturers Sales Dept., The Goodyear Tire & Rubber Company, Akron, Ohio 44316.

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State _____ Zip # _____

For more information circle number 263 on card

Breach of contract

Continued from page 68

pleted another soil survey was made and most areas showed only three to four inches of topsoil existing and many areas with only one to two inches."

Other testimony reviewed by the Court showed that on drawings introduced in evidence there were circles drawn indicating that in two areas on the fifth and fourth fairways the depth of topsoil was insufficient. There were also marks which indicated that in three low areas topsoil had been added to bring the depth up to specifications. There was also a statement that "the architect did not personally test the depths of topsoil present at the various points on the golf course nor did he have anyone do it under his supervision."

The Court continued: "After a careful review of the record, we conclude that there was competent evidence to justify the court's findings as to the areas deficient of topsoil and the proper amount of damages to be awarded defendant against plaintiff representing the cost of plaintiffs' failure to perform. Likewise there was ample evidence to justify the court's findings that plaintiff was entitled to recover for the extras claimed."

"This leaves one question remaining to be resolved, i.e., did the plaintiff P.&M. Construction Company carry its burden in showing performance on its contract?"

"The trial judge did not find proper performance of all the terms of the contract, but did in effect rule that there was substantial performance. The trial judge ruled that plaintiff should be awarded the full amount due on the contract less defendant's damages for plaintiff's failure to perform. The damages awarded defendant were for costs to correct defects resulting from improper performance in the amount of \$2,495. These damages represented replacement of topsoil to two small areas constituting a small percentage of the golf course constructed by plaintiff."

The judgment of the trial court was affirmed and as neither party had prevailed on appeal, no costs were awarded. (P.&M. Construction Company vs. Hammond Ventures, Inc., 142 N.W. 2d 468.) □

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MC18 BL with WH T area... 24x24 \$9.75
B17 Polyprop turf brush... 3x20 11.25
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Black rubber with white tee area. 2 rubber tees... 4x5 \$41.00
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F12 Models A & AA... 9 1/2x7 1/2x4 1/2 \$15.50
F21 Model S... 9x5 17.80
F22 Model SS... 9x10 35.00

MISCELLANEOUS
BB Polyethylene turf brush 6 1/2x18... \$12.75
Corded rubber T-mat w/ Tee 8x20 2.20
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