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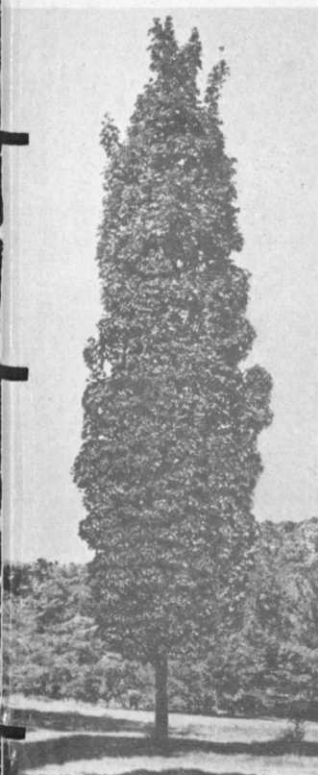
MAPLES by Cole

*For shade, hedges, gardens,
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or other landscape uses*

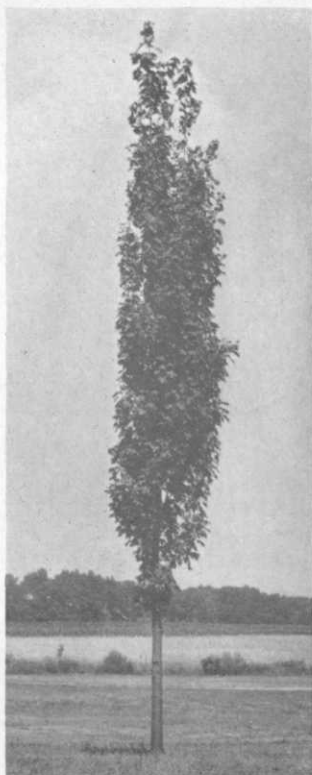
Here's your best source of Maples—twenty-one of the best varieties available in almost any size, shape, and ultimate height you want. Cole has them all in any quantity you need.

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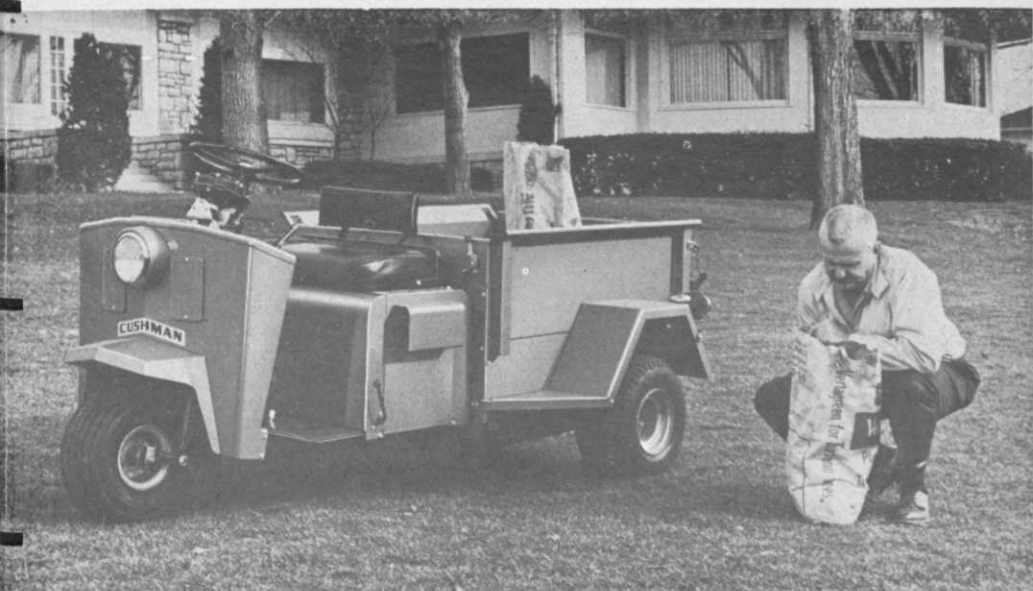
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GRAFFIS SWING

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his headquarters to Country Club of Miami, PO Box 38-1058, Miami . . . *Tom Fitzgerald*, veteran golf writer who covers hockey in the winter, is president of the National Hockey League Writers' Assn. . . . Series by *Al Laney*, N. Y. World Journal Tribune, on "The Club Pro; Golf's Strength" is a top job of propaganda for the service pro . . . It covers pros in the N. Y. section . . . Laney writes that "behind the glamorous figures who . . . are merely the showcase of golf . . ." is the "world of the so-called home club pros who man the golf shops at clubs everywhere, devote their lives to serving their members as teachers, friends and always as staunch defenders of the best traditions of the game" . . . "The roots of the great professional tour is deep in the pro shops of the land." . . . Laney also makes the interesting observation "the advent of television has shown us clearly that their (the club pros') golf swings in some cases are even better than the swings of tour pros."

Look for considerable changes in the promotion of the PGA National Team championship . . . The top purse event was \$40,755 of its operating expenses and \$275,000 prize money and Palm Beach County and towns close to the PGA course had to make up the deficit after the PGA had paid plenty for last December's event . . . PGA National courses have been put in fine condition by Supt. Bob McKinney and are getting considerable play but they don't draw galleries . . . PGA Senior's championship with Snead's 279 winning by nine strokes drew only a few hundred spectators; most of them other seniors and some salesmen left over from the PGA Merchandise show . . . Sam was putting sharp with the peculiar method he got in England . . . His approaching didn't leave him many long putts.

Illness prevented *Dick Tufts* accepting the Bob Jones award at the USGA annual meeting . . . Dick's son Peter re-

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A The CUTLESS M-20 is an amazing breakthrough in golf ball manufacturing technology. Here is a range ball of solid state one piece construction, held to rigid USGA specifications. This ball is guaranteed not to cut, crack, or chunk throughout the entire life of the ball.

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and we shall put you in touch with our nearest distributor or salesman.

D The CUTLESS M-20 assures you of giving your customers a ball of the highest quality with a beautiful click, feel, and distance throughout its life. This ball comes in solid yellow, and can be personalized on orders of 100 dozen or more and also is available in a regular play ball. Of course the same guarantee applies.

E GOLFERS, have a good season and improve your game by practicing at your local golf practice area or golf driving range and take a lesson from your local golf professional.

Inquiries for Sales Distribution Welcome

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GRAU'S Answers to Turf Questions

By FRED V. GRAU

How Good Are Your Tees?—Many of us recall the days when the teeing ground was a small raised square or rectangular flattened mound of clay. Nearby was a container of moist sand with which to form a small mound or a raised "tee" on which to place the ball, the better to strike it with a driver and to minimize contact between the clubhead and the dense hard-packed clay. Later there were rubber mats and fiber mats.

With the advent of the formed "tee" (wooden or plastic), teeing grounds gradually were enlarged and the clay modified with sand or softened with water to enable the golfer to press the manufactured tee into the soil without undue effort.

The first grass tees probably were merely sections of fairway that were mowed just a little shorter, without benefit of elevation for the golfer's advantage, real or fancied. Perhaps somewhere in recorded turf history we could learn (doubtful) when it was we started to build large elongated teeing grounds with soil improved so that, hopefully, we could have satisfactory grassed surfaces.

My experience with golf course tees begins in 1925 when I teed the ball on a mound of sand, played the second shot from grassed fairways that were mowed at least twice a year with a sickle-bar mower, and putted out on slightly-oiled sand smoothed to the cup with a section of 2-inch pipe with a handle. I mention this bit of personal history so that the present situation with teeing grounds can be brought into sharper focus. As a one-time 2-handicap golfer and Director

of the U. S. G. A. Green Section there was intimate involvement with all manner and kinds of teeing grounds on an international basis.

Architects and Specifications—In the building of today's modern golf course nearly as much attention is devoted to the teeing grounds as to the putting greens. Size may swell to half an acre or more. Length may exceed 130 yards, longer than some 3-par holes. Shape may vary from square, through rectangular to semi-circular. All designs tend to affect in a subtle manner the play of the hole, depending upon the position of the markers in which there is wide choice.

The architectural design of teeing grounds would lose considerable stature were it not for the agronomic triumphs born of research and dogged "cut-and-try" practical efforts by superintendents. The best teeing grounds today are so good on some courses that one could, with a certain degree of imagination, play backwards, from green to tee, to a cup sunk in the near-perfect turf of the tees.

The Agronomic Side of It— Let us examine the major factors in the development of the near-perfect turf on tees.

1) Soil modification to promote rapid water absorption, excellent drainage, firm surface, ready penetration of artificial tee;

2) Improved turfgrasses identical with, or closely similar to, those used on putting greens. These include fine-leaf bermudagrasses, Meyer Zoysia, Penncross bent, Merion Kentucky bluegrass.

3) Adequate quantities of fertilizers that release nutrients closely in accordance

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Nine out of ten of the nation's leading golf courses are using Buckner Sprinklers. Why? Because they know about the money, water and labor savings that are possible with a Buckner irrigation system. Buckner systems are designed for heavy duty, long lasting, low cost, low maintenance operation. Our sprinklers are engineered to provide the best effective coverage and penetration of water even in the tightest soil. Whether you use one of our underground or portable systems, you can be sure of eliminating parched areas and water waste. And our new 11 station 611-E automatic controller cuts scheduling to a simple, one-time 5 minute operation. For more facts you should know about the world's leading sprinkler systems, write for free catalog and name of nearest dealer.

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WHIZARDS

Small International® fleet handles all the

Palma Ceia Country Club observed its 50th anniversary at Tampa, Florida, last year. Its annual tournaments include the Florida Seniors and the Gasparilla Festival. Members are challenged by huge, ominous traps and by more than 500 trees—a dozen varieties ranging from banana and mock orange to holly and weeping willow. All fairways are underground irrigated and kept clipped to one-half inch. Superintendent Kelly Kee says, "My members insist on seeing that ball from tee to green." Palma Ceia is one of the most demanding, high-maintenance mowing jobs of any club in the country. That makes Mr. Kee an International man. All International.



EXACT FIT Mr. Kee says this new 2424 Lo-Boy® is sized just right for his operation, and foresees a time soon when two of them with the 3414 will handle all his maintenance. The IH fleet is expected to do all construction, too. This year, for instance, four greens will be torn out, reshaped and rebuilt in a major modernization program.



year round maintenance at demanding Palma Ceia Country Club

OLD FAITHFUL

This is one of two 5-year-old IH tractors which have carried the mowing load for five years—gang mowing fairways and flail mowing the rough. Mr. Kee says, "We haven't had a total of 3 days down time since we got them."

What about your course? Demanding? Your IH dealer has an exact fit for any golf course maintenance problem. Usually the best answer to be found. After all, he represents the most complete line of tractors and flail, rotary and



cutter bar mowers in the industry. Talk to him soon about a demonstration. International Harvester Company, Chicago 60611.

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Mr. Kee has been in turf work for 43 years, supervises 15 men year-round at Palma Ceia. Of his 3414 loader tractor he says:

"We bought that one on competitive demonstration—looked at others just to make sure we weren't wrong sticking with International. And we weren't. The 3414 was tops. We use it for everything. It handles topsoil, pulls the aerator, gang mows, and serves as a scraper on our maintenance roads. We use it with a disc for rebuilding tees, pull out posts and stumps with a chain, and even carry sand a bucket at a time from a central pile to our bunkers. That way we avoid the compaction of a truck."



LOADER HUSTLES

The 3414 feeds a grinder with a stockpiled mixture of virgin topsoil and living organic matter. This is used for fairway topdressing. The pile generates heat up to 150° and must be turned every couple of weeks to keep it from burning itself out.



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FRED GRAU

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with the needs of the grass; that maintain slow, steady firm growth that is highly resistant to traffic injury; and that promote rapid healing of scars.

4) Sensible irrigation as needed to avoid soft rapid shallow-rooted growth and to promote firmness with deep rooting and resistance to diseases.

5) Close frequent mowing with clippings removed.

6) Chemical treatments for pests and diseases, applied as needed.

7) Topdressing as needed with weed-free material to maintain true surfaces.

8) Soil cultivation and thatching, as needed.

Here are some of the flagrant violations of good agronomic practices that I have come across:

1) Starvation. It is inconceivable that a club will spend good money to build and turf their tees, then fail to apply adequate nutrients. Some have said frankly, "We can't afford fertilizer for our tees." Yet, when annual bluegrass and other weeds become unacceptable, there is money to return.

2) Overwatering. There is a quaint but prevalent notion that water doesn't cost anything—or not much. Water makes grass green—so let's use water. Saturated soil rots roots and favors Poa. Soil becomes baked so hard that more water is needed to soften. Merion gives way to Poa. Bermudagrass sickens and loses its body. Bents can take it somewhat longer but they, too, let Poa in. I've seen soggy tee turf, mostly Poa, with perfectly beautiful weed-free turf at the ends and edges where—and this is true—"The sprinklers don't quite reach!"

We have the grasses, the fertilizers, water, the mechanical equipment and the know-how to produce near-perfect turf for teeing grounds. Need more be said?

Q.—At the G.C.S.A.A. Conference in Washington, D. C., we heard about "FLAMING" to facilitate thatch dis-

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GOLFDOM