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He offers you many services:

- ... a year-round supply of fungicides, ready for delivery.
- ... equipment repair.
- ... a full line of seeds, fertilizers and maintenance tools.
- ... information about new developments—which make your job easier.
- ... advice and consultation on any turf maintenance problem you may have.

Have him help plan your disease prevention program with

CALO-CLOR®
CALOCURE®
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your Mallinckrodt distributor . . .

**has a deep-rooted
interest in YOUR
turf problems**

MALLINCKRODT CHEMICAL WORKS

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Detroit Report Tells Status of Caddie Fund, Membership

Annual report of the Detroit Dist. Golf Assn., which is observing its 40th year of operation in 1959, shows that there is a record total of 90 caddies attending college on scholarships made available through the Standish-Evans program. One-third of these are newly appointed scholars. Caddie students at both the University of Michigan and Michigan State University are housed in properties wholly owned by the Assn.

DDGA's membership is composed of 41 clubs in the urban area and 19 out-state clubs. Five clubs were added in 1958. Increased interest by all clubs in green section meetings, use of handicap cards, caddie welfare and in tournaments sponsored by the District was particularly noticeable during the past season.

Detroit did not join with the Chicago or Southern California associations in breaking with the USGA on handicapping procedures. Several reasons were given for not adopting the Equitable Stroke Control system championed by the two dissident groups. Among them is the belief that ESC is too difficult to administer. DDGA also feels that establishment of a uniform system of handicapping is the prerogative of the national body.

Seventy-four tournaments were sponsored or promoted by Detroit in 1958. Three of these were national events. The report shows that play at six Detroit Municipal courses increased by more than 44,000 rounds between 1957 and 1958 and that play at Detroit and outstate private clubs was up considerably in 1958 over 1957.

Ten Golfers Get Awards from Metropolitan Writers

Several well known golfers were honored at the national award dinner of the Metropolitan Golf Writers Assn. held at the Hotel Plaza, New York, in January. They included Charley Coe, 1958 amateur, Tommy Bolt, winner of the 1958 USGA Open title and Dow Finsterwald, professional golfer of 1958. Charley Boswell was given the Ben Hogan trophy, presented annually to the person who overcomes handicaps and continues to play golf. National senior awards went to Tom Robbins and Mrs. Harrison Flippen and local awards were given to Robert Gardner, Mrs. Judy Frank Jablow, Sam Petrone and Edward Smith.

Supts. Tell Preferences in USGA Research Survey

Results of a survey made by the USGA Green Section under the direction of Marvin H. Ferguson shows that supts. feel that turf research, for the most part, should be concentrated on six different projects. They are: Physical studies of soils; Variety improvement; Nutritional studies (both fundamental and field); Poa annua control; Disease control; and Weed control (not including poa and crabgrass).

Altogether, 32 research preferences were listed by the 37 supts. who took part in the survey. Other suggestions for research that were mentioned frequently are (in this order): Nematode studies; Thatch control; Irrigation studies; Rooting characteristics of grasses; Cutting methods and equipment; Salinity tolerance; Crabgrass control; and Combination warm season-cool season turf.

Orlick Extended Season with Unique Tournament

In order to extend the playing season last fall, Warren Orlick, pro at Tam O'Shanter CC, Orchard Lake, Mich., held an interesting tournament at his club. He invited any golfer who had played from 1953 on with him or his assistants in any Pro-Am, Pro-Ladies or Pro-Junior event to participate. Also invited to compete were all persons who had played in a pro-member event. Orlick donated two draw prizes, a set of woods and a set of irons in addition to more than a dozen gross and net prizes. No entry fees were charged because as Orlick expresses it, sometimes you have to give a little to get some back.

Although the tournament was played as late as Oct. 26th, the turnout was larger than anticipated.

Limit Women's Am Field to 128

USGA has established a limit of 128 contestants for the Women's Amateur championship which will be played at Congressional CC, Washington, D. C., in August. This will reduce the match play event from eight to seven rounds. The 1959 field will consist of the 128 entrants who have the lowest USGA handicaps to the limit of six strokes. If there are not enough places for applicants in the highest handicap bracket, selection will be by a blind draw. A list of alternates also will be established by draw.

Another sales-creating idea from MacGregor... A "His-and-Hers" golf bag combination!

Keystone model with body of new Ivory "Crush" grain "Tuff-Hide" and embossed steerhide leather top and bottom cuffs. Molded leather handle, deluxe sling suspension and "Sweep Flare" side panels. Step-down collar. Full length, streamlined clothing pocket and jumbo, form fitting divided ball pocket. MacGregor's exclusive "Umbrella Well." Hood built inside body of bag. New "well-type" cigarette pocket on top of clothing panel. Foam rubber padded sling with snap attachment. Roomy, 9 inch round leather bottom with drain grommet. Nylon lock-stitched throughout. \$55.00 retail.

Ladies' model is a perfect match except for size. One inch smaller in height and diameter and features a leather tee holder above cigarette pocket. \$45.00 retail.



9622 — Brown
9623 — Blue
9624 — Gray
9625 — Black
9626 — Red

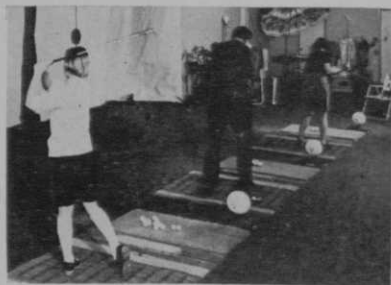
9642 — Brown
9643 — Blue
9644 — Gray

MacGregor
THE GREATEST NAME IN GOLF
REG. U. S. PAT. OFF.

"HERS"



Junior girl golfer gets instruction from George Smith on playing an iron.



Golf Indoors

Non-migrating Northern Pros Turn to Winter Schools for Off-Season Income

It wasn't too long ago that most Northern pros who didn't have a winter club connection spent an uncomfortable November to March worrying about the landlord and how the grocery bill was to be met. But lately more and more of them have done a couple things to counteract winter inactivity and assure themselves of practically a year-around income. One is to keep their shops open until Christmas and capitalize on growing gift business. A second is to operate indoor golf schools.

George B. Smith, onetime CC of Buffalo pro who operates a range in Williamsville, N. Y., is one of those who is capitalizing on the urge that snowbound golfers get to keep their games in shape by giving them an indoor school. His is located at 1104 Elmwood ave. in Buffalo. From November through April and from 11:30 a.m. until 8 p.m., six days a week, George's clients come streaming in, either to learn

Merchandise section is an integral part of indoor range. It is located where golfers can't help but be enticed by it.



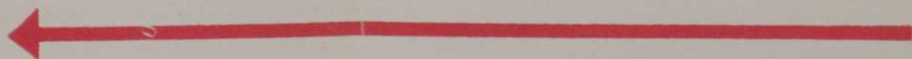
Jack McCullough (l), Dunlop Tire & Rubber Corp. sales rep, is happy that fellows like Smith are running winter schools. It helps out in his income department, too.



Revolutionary new **TORO** Greensmaster^{*}

gives constant
cutting-weight of
only 44 pounds!

*A registered trademark of Toro Mfg. Corp.



Get all the facts inside!



Now...a greensmower with cutting unit independent of traction unit, catcher

Think of it—a greensmower that weighs only 156 lbs. altogether, yet the cutting unit never puts over 44 lbs. pressure on the green. And that's only part of the story of the new Toro Greensmaster!

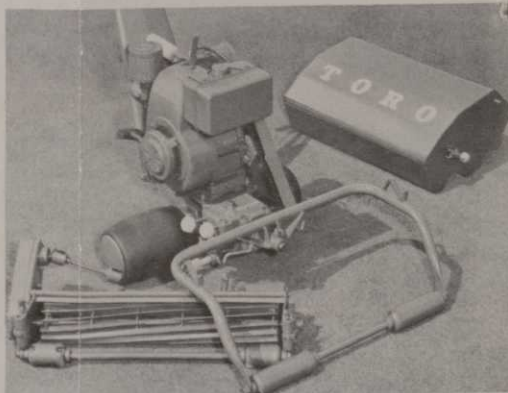
This remarkable machine, the result of several years of study at the Toro Research and Development Center, is built in three separate units: the traction unit—consisting of 3 hp engine, gear box, soft-rubber traction drums and handle; the catcher unit—connected directly to the traction unit by a supporting fork with rollers; the cutting unit—a 21-inch, 12-blade reel with 2 short-section rollers in front, 3 in rear—mounted between catcher and traction unit and completely independent of both. Units can be assembled or dis-assembled in minutes without the use of tools.

No longer are engine vibrations transferred to the cutting unit. No longer do accumulated grass clippings add weight to the cutting unit as you go along. Now even the handling techniques of different operators cannot influence the cutting unit. The "floating" action automatically follows ground contours without digging or gouging. No special skill is required.

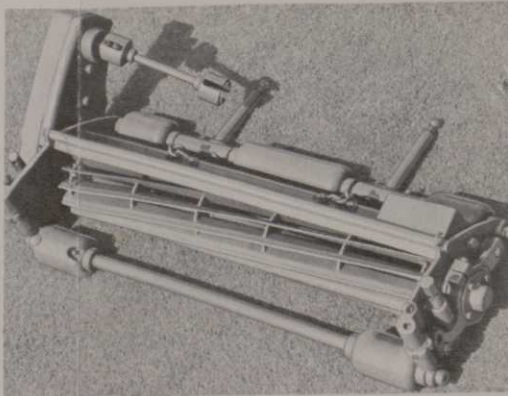
Here is a greensmower with nearly perfect balance, and the center of gravity of the cutting unit is only 2½ inches above the ground line. Since the reel has only a 3½ inch diameter, the wheelbase of the cutting unit is only 7 inches. That means easier handling, too.

Look at the hand-grip throttle that can be set for a desired cutting speed, and automatically returns to idle when released. Look how all drives are completely enclosed or protected. Look how reel or traction can be thrown in or out of gear by separate controls.

Look over these and many other features pictured on the back of this ad. Or better yet, mail the coupon and let your nearby Toro distributor show you *on your own greens* why the new Toro Greensmaster has no equal on the market!



DIS-ASSEMBLED MOWER shows simplicity of design. Supporting fork, attached to traction unit, takes weight of grass catcher. Cutting unit mounts independently under fork.



CUTTING UNIT connects to gear drive through universal. Chain and sprocket, sealed in an oil bath, drives reel. A nylon shoe within the case can be adjusted to compensate for chain wear.

TORO

TORO MANUFACTURING CORP.

3036 Snelling Avenue, Minneapolis 6, Minnesota

YES! I'd like my nearby Toro distributor (who offers a complete stock of parts and factory-authorized service) to give me a demonstration of the new Toro Greensmaster on my own greens. No obligation, of course.

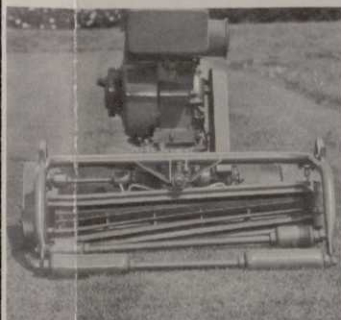
NAME _____

GOLF COURSE OR CLUB _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

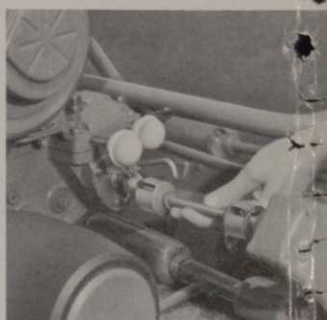
...look what you get in the new TORO Greensmaster!



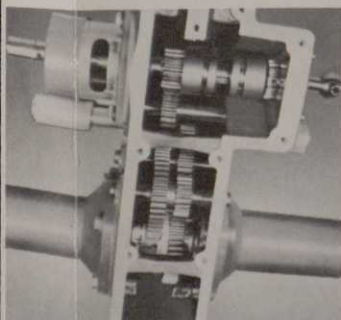
EASY, FAST EDGE-CUTS are simply a matter of chaining one side of the independent cutting unit higher than the other.



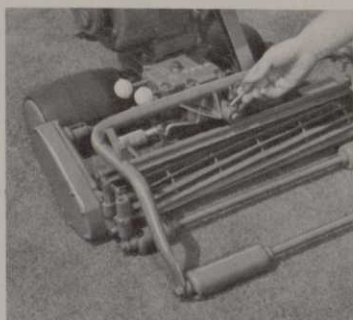
THROTTLE CONTROL GRIPS can be pre-set for maximum speed. When released, throttle returns to normal idle.



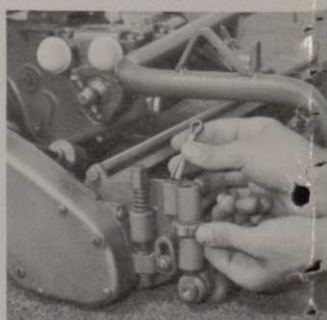
CUTTING UNIT CONNECTS to gear box through universal. Note soft rubber traction drums that can also travel over paths, roadways.



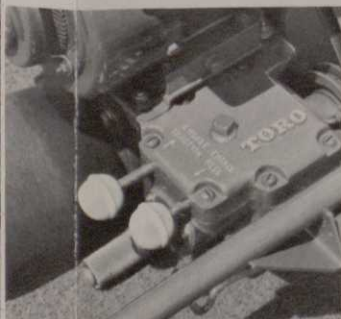
GEAR BOX has cast aluminum housing with a spur-gear type transmission. Photo shows gear box open from top.



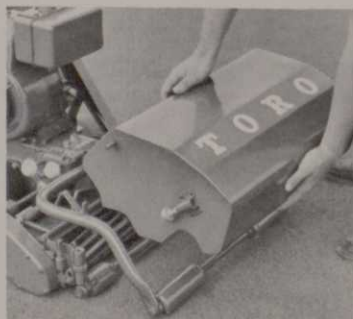
REMOVING SUPPORTING FORK for catcher is a quick, easy job. One pin, chained to fork, connects fork and traction unit.



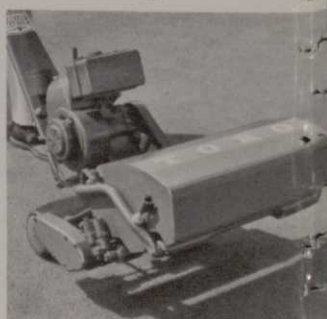
CUTTING HEIGHT is accurately set by turning the knob on the roller screw that supports the forward roller assembly.



PUSH-PULL GEAR KNOBS operate directly on transmission. Normal stops and starts are controlled from handle.



GRASS CATCHER is easily attached to or removed from supporting fork. Any component unit can be quickly interchanged.



TRANSPORT POSITION is simply a matter of chaining cutting unit and catcher up, disengaging rear drive and setting handle angle.

TORO

TORO MANUFACTURING CORPORATION, MINNEAPOLIS 6, MINNESOTA

what the game is all about or to keep their muscles toned for the season ahead.

Smith, like so many other pros who have gone indoors, isn't worrying about landlord or grocer any longer. He's not only taking it in at the lesson counter but is prevailing upon his patrons to buy a substantial amount of equipment and merchandise.

Tax on Life Members, House Accounts, Admissions Explained

According to a service bulletin recently issued by Horwath & Horwath, hotel-rest-aurant accountants of New York City, the Excise Tax Technical Changes Act of 1958 changed several provisions affecting club dues and admission taxes in addition to the removal of the tax on assessments for capital improvements.

Persons holding life memberships have two alternatives for payment of the club dues tax. They can pay a tax equivalent to the tax paid by persons having similar privileges at a club, or they can pay a tax equivalent to 20 per cent of the amount paid for the life membership. A choice of either method must be made by June 30, 1959.

The Internal Revenue Service, H & H points out, has ruled that minimum house accounts are to be construed as dues and the taxes thereon are the same as for dues. This ruling, however, doesn't apply to amounts paid prior to Nov. 1, 1958.

The 10 per cent admission tax now applies on amounts in excess of \$1.00. If an admission charge is \$1.50, the tax is not levied on the first \$1.00 of admission, but only on the 50 cent portion, and is, of course, 5 cents. Admissions to pools, beaches, skating rinks or other places (except dancing) providing physical exercise facilities are no longer subject to tax.

Suggest Fall Tournament

It has been recommended to the Minnesota High School Board of Control that the annual state golf tournament be played in the fall rather than in the spring so that contestants can come into the tourney with about six months of practice and competition behind them. Persons who made this suggestion contend that it would improve the caliber of play. They also point out that if the state tournament were held the last week of Sept. or the first week in Oct. it would allow plenty of time for district and regional elimination tourneys to be held.

Club Sales Up in '58

Sales of golf clubs for the fiscal year ending Oct. 31, 1958 totalled 4,277,048 units, an increase of 2.10 per cent over the sale of 4,140,150 units in the comparable 1957 period. Making up the total were 2,914,854 iron clubs and 1,312,194 wood clubs.

In releasing this report, Henry P. Cowen, pres. of the National Association of Golf Club Manufacturers, commented: "This modest increase in unit sales substantiated previous forecasts of moderate gains in the industry despite the decline in most areas of business activity in 1958.

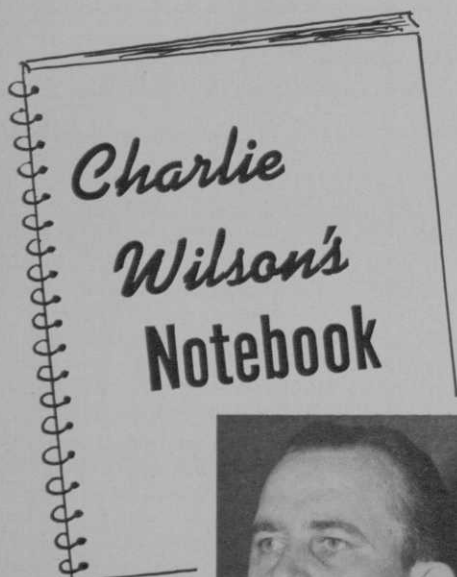
"There are a number of important factors," Cowen added, "that point to continued growth of the golf market. The upturn in our overall economy is perhaps the most encouraging. Throughout the country the reports of increased rounds of play are fairly consistent and a strong indication of an increasing number of regular participants.

"The National Golf Foundation reports that the number of courses now in operation has nearly reached the all-time peak of the early '30's. Additional courses in the building stage and more on the drawing boards will further expand the nation's golf facilities."

Green Section Pump Priming Is Aid to Maintenance

Whether or not you are aware of it, the USGA Green Section occasionally resorts to pump priming. This was brought out at a recent meeting of the Greater Cincinnati GCSA by Marvin H. Ferguson, the Section's national coordinator.

When an Experiment Station has no research program going on turfgrass, a small grant is placed by the Green Section to get a project underway. Ferguson related that some time ago he was finally able to persuade the New Mexico Experiment Station to accept a small grant to make selections of different grasses and place them in a small plot even though Station officials were reluctant to do so because of the press of other projects. Eventually, a member of the New Mexico legislature became interested in the turf work and pushed through a bill appropriating money for expanded turfgrass research.



Labor Still Greatest Bugaboo



According to a panel on "Practical Management," it is easier to hire men now but the old bugaboo of training them to do the job right continues. Night watering ranks high on everyone's list of most hated jobs. It is the greenmaster's biggest labor headache. Nothing is more important or harder to control — especially when night watermen decide to take a snooze or step out for a short beer.

Speaking of training, the GCSA might well consider regional workshops similar to the ones held each year by park executives. Everything from floor wax to safety is discussed — not only for the park chiefs, but for key personnel.

A Cure for Winter Brownpatch?

Big news is a possible cure for the winter brownpatch that takes a devastating toll of St. Augustine turf from mid-September until spring in the Gulf Coast region. Texas A & M graduate student John Long's trials show that a fancy named fungicide — Pentachloronitrobenzene — stops the disease cold on the school's A & M plots. Terraclor is Mathieson Chemical Co.'s trade name, and if one looks closely on an Actodione RZ label, he will see the same thing.

Long suggests one lb. of Terraclor wet-

table powder in 25 gals. or more of water for 1,000 sq. ft. Depending on the weather, it may be necessary to follow up two to four weeks later with an additional $\frac{1}{2}$ lbs. Applications should be made in the fall before brownpatch strikes. Terraclor works where some other fungicides have failed.

Many will be interested in trying pentachloronitrobenzene on summer brownpatch that attacks bent. There is no information on this, so make certain the trials are on a portion of the nursery only. Be cautious and water it in well. At above rates it has temporarily discolored St. Augustine grass.

Questions Use of Ammonium Nitrate to Burn Weeds

It is common practice on some southern courses to use heavy rates of water soluble nitrogen to "burn back" weeds in Bermuda fairways. The theory is good: "Two birds are killed with one stone." The nitrogen when applied in the fall, stops crabgrass. Spring treatments kill winter annual weeds. In both instances direct foliage burning is responsible and the Bermuda is supposed to respond later with luxuriant growth.

Recent research, however, by Dr. Huffine makes one question the practice. His work shows that 174 and 261 lbs. of actual nitrogen per acre in the fall from ammonium nitrate does indeed kill crabgrass. The often overlooked point is that the Bermuda is severely injured, too!

Thus, weakening the Bermuda in the fall might invite more winter weeds. Spring treatments could pave the way for crabgrass and goosegrass. Better use the ammonium nitrate as a fertilizer and rely on sodium arsenite or DSMA as a weed killer until more is learned on the subject.

Plants Don't Grow Under "Little White Box" Conditions

Ray Keen, Kansas State University, finds a plant's environment is vastly different from official weather bureau reports gathered from that "little white box" elevated three ft. above the ground. The average temperature in Kansas and Hawaii is the same, but you can't convince the pineapple plant that Kansas is a suitable home. Transplanting a shrub 50 ft. from the south to the north side of your house may climatically be equivalent to a 600 mile northerly journey as far as the plant is concerned. It is up to man to choose wisely and alter maintenance practices to help plants adjust, according to Keen.

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★ Golf World
Social Spectator
Golfing
New Yorker
Golf Digest
Saturday Evening Post
National Geographic
Esquire
Sports Illustrated

TURN ON THE POWER
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MASTER-MATCHED for '59!

POWER-BILTS for '59! Built for power, designed for accuracy — the finest, longest hitting golf clubs that the makers of famous Power-Bilts have ever put out. You'll realize your power-potential with these Master-Matched beauties. Hit more shots cleaner and further than ever before. The proof is in the bag — at your Pro Shop! Try them.

HILLERICH & BRADSBY CO., Louisville, Ky.
Write for free full color catalog. Dept. SS-9



. . . Leading
National ★
Magazines
are working
for you!

Yes, your sales power combined with our concentrated advertising program can produce greater golf club sales than ever before. And there's still another reason why 1959 can be your greatest season — this year's Power-Bilts are the finest yet produced! Beautiful new woods with Brass Back Weight, Stainless Steel and Levelume Plated Carbon Steel irons, shallow at head and deep at toe with gracefully styled Power-Weighted backs, are just a few of the many, many features which make the Master-Matched Power-Bilt for '59 the most wanted clubs in the country. Display them — you'll see!

POWER-BILT
GOLF CLUBS
Master-Matched for Perfect
Feel and Balance

HILLERICH & BRADSBY CO., Louisville, Ky.



Colonial clockmaker practiced his trade here 170 years ago.

Built in 1790

Connecticut Pro Operates in a Shop with A Tradition

By BOB BODINGTON

The Country Club, Farmington, Conn.

MY pro shop at The Country Club, in Farmington, Conn., has old New England written all over it and you only have to close your eyes to imagine that one of these bright days Nathaniel Hawthorne or maybe an old whaling captain from New Bedford is going to walk in and ask you to get his clubs out of the rack.

"The Little Red Shop", as it is known to everyone around Farmington, doesn't have much written history behind it, as far as I have been able to determine. But it may be the oldest pro shop building in the country. It has been established that it was built in 1790 as a clockmaker's shop. Five years later, a show window

was put in to display the clocks manufactured by a Gabriel Curtis. The window, with its 32 sashes (see photo), never has been changed.

About three generations after the turn of the 18th century, the shop was moved to Waterville Rd. in Farmington, just a short distance from the present 18th fairway. In 1936, when Arthur Reid was our pro, the building was moved to its present location near the first tee.

When Russ Ebbets was pro at The Country Club in 1953, an addition was built on the back of the shop to expand the club storage area. This was done in the salt box tradition which, they tell me, is the name of the original design.

Since I took over in 1956, the interior of the shop has been improved considerably with the installation of rubber tile flooring, pegboard display areas and two sets of movable shelves. The place, of course, isn't as large as I'd like to have it (what pro is ever satisfied with the size of his shop?) but then you don't take any liberties with an historic old building such as the Little Red by starting to knock out the walls or anything like that.

We have 640 sq. ft. of floor space for



Haig Ultra '59

PROGRESS REPORT

The Grip

Every golf shot begins with the grip. Whether you hit one a ton down the fairway or punch a tight one to the pin, the shot starts on its way by the feel in your grip! It's a personal thing.

Yet the golf grip is the most taken-for-granted part of the club. Hand a club to any player and he will look at the club head, test the flex of the shaft and declare it a fine club. Yet all of the playing qualities of the club are transmitted to him by the way it feels through the grip.

I first learned how this feel could be built into the grip when I began making clubs over fifty years ago, and so came to realize the importance of the grip to the entire club.

Craftsmanship

from a master club maker



It took time to make a good grip. The leather was calf skin—best we could get. We'd cut them into tapered strips by eye. The under-listings were cheesecloth, and felt covered with hot pitch.

For a tacky feel, we cooked beeswax and resin and then coated the leather strips. But this tackiness didn't last long. Rain and perspiration made the grips slippery. Some of the pros even wore cheesecloth gloves for a firmer hold. And if we played in the rain, the grips would loosen up and had to be rewound.

While all this was many matches, many fancy outfits, and many wonderful memories ago, the basic idea is still the same—if you don't have a good grip, you don't have a great club.

But now—51 years later—what about the grip on

the '59 Haig Ultra line?

You'll find a grip that is right for the greatest number of players. Always the finest available calf skin, with "tanned-in" tackiness, over a uniform and better feeling molded cork and rubber underlisting. This is a grip that will deliver sure control shot after shot... that will feel the same for every club in the bag. It's a grip made tackier by perspiration or morning dew.

Get a new Haig Ultra in your hands. You'll agree they're the finest clubs to carry the Hagen name, and the grip is just another reason why "It's The Ultra Line in '59."

Made for and sold only by golf professionals, the greatest gentlemen I know.

Walter Hagen



Haig  Ultra

WALTER HAGEN GOLF • GRAND RAPIDS, MICHIGAN

THE CHAMBERLIN *Ko-lap-si Kart*

TRADE MARK REG. U. S. PAT. OFF.

AUTOMATIC FOLDING ACTION

*Lift Handle,
It Opens*

*Drop Handle,
It Closes*

MADE BY WORLD'S
OLDEST GOLF CART
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NEW PRO LINES

New "Kolapsi Karts" to meet the medium and low priced buyer. No need now to let any sale get by. We can show you how to make sales with the finest line of high grade carts ever put out by a single manufacturer.

Send for full information with new catalog, new prices, new deal and new profits for you.

Price range \$19.95, \$22.95, \$25.95, \$29.95, \$31.00 and \$33.95 with nine breath-taking models to capture any sale.

2 GOLF BALLS

GUIDED SPOOK

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GENE CROWE

We can supply a limited number of outlets with two liquid center high compression balls that are sensational in looks, boxing, and price. Also in bulk for that grab box. Send for information.

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and Tuffi Tubes ☐ Rush Information on
new low priced models ☐ Golf Balls ☐

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