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- STAND ERECT EITHER CLOSED OR OPEN. Can be stored where space is valuable in Pro shops,
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- Large 14 inch wheels. Special sealed ball bear-ings, factory grease packed. Easiest rolling Kart ever made.
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Kaddie Kart is the sign of quality and distinction. It has large 14 inch wheels, ball bearings, single natural position handle. Demountable axle, handle and frame.

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These views show construction and operation of the Haines Tree Root Pruner. I. Pruner attachment on hydraulic lift of Ford tractor. 2. Close-up of Tree Root Pruner knife made from an old plow share bolted to beam. 3. Cutting tree roots along edge of green with the Haines Pruner. 4. After cutting roots, slit made by pruner is pressed down and closed with rear tire of tractor. Note three lines of tire marks; one on green, a double mark on slit and one in the trap. 5. Using the Tree Root Pruner along edge of fairway to cut tree roots that ordinarily rob the turf of moisture and plant food.

### Denver Greenkeeper Designs Tree Root Pruner

By O. J. NOER

The Denver Country Club as is true of a great many other golf clubs throughout the country is blessed with a great number of cottonwood and elm trees that surround greens and tees and are found in abundance in some of the rough adjoining the fairways. As beautiful as these trees may be and as necessary as they are in adding the proper symmetry to a well planned golf course both types of trees have many surface feeder roots which extend out into turf areas—far beyond the tips of the branches—which tend to rob the soil of moisture and plant food; surfaces become hard, grass turns brown

and thins out despite adequate watering.

The greenkeeper confronted with the problem of maintaining the best turf possible under such conditions has but one alternative at his disposal and that is the periodical cutting of these surface feeder roots. The established method used by many to counteract the robbing of surface soil by feeder roots is trenching. This involves considerable manpower as well as time.

Jim Haines, Denver greenkeeper, faced with treating not one but several turf areas that were showing the damaging effects of surface feeder roots from nearby trees and at the same time was handicapped by a lack of sufficient manpower and the necessary time to do an adequate job of trenching has designed and made an ingenious device called the

WORTHINGTON Chief TRACTOR



FOR ECONOMY — HITCH IT TO THE CHIEF. Particularly designed for work with mowing units, the Chief, with its low fuel consumption and trouble-free performance, hauls this Fairway Mower at top efficiency.



FOR SPEED—THE CHIEF REALLY PUTS MOWING OPERATIONS IN HIGH GEAR. It hauls this Rough Grass Blitzer over golf roughs at speeds up to 20 m.p.h. Operator comfort is assured even on the roughest stretches because of Worthington's special hydraulically controlled "E-Z" ride seat.

For an all-around workhorse you can't beat the Worthington Chief Tractor. This rugged, powerful tractor, particularly designed for fast, economical hauling of gang mowers, has a wide general utility use as these pictures illustrate.

The Chief is powered by a smooth-running, 100 b. hp. Chrysler industrial engine that provides the stamina necessary for long work periods over varied terrain. Four forward speeds ranging from 1½ m.p.h. in first to 47 m.p.h. in fourth give the Chief a complete speed range to handle every type of going.

For further details concerning the Chief tractor and allied Worthington equipment, write for descriptive literature.



WORTHINGTON MOWER COMPANY

STROUDSBURG, PA.

Subsidiary of Jacobsen Manufacturing Company, Racine, Wisconsin

Haines Tree Root Pruner. Jim with his homemade pruner can now cut feeder roots to a depth of 16 inches and do it in the time it takes his tractor to travel along the border of any given turf area

needing treatment.

The Haines Tree Root Pruner consists primarily of a cutting knife fastened to a beam which in turn is attached to the hydraulic lift of his tractor. The cutting knife is a plowshare of an old, discarded walking-type plow. It is fastened to part of the plow beam (taken from the same plow) with bolts and the beam is attached to the hydraulic lift of a Ford-Ferguson tractor. A sulky cultivator seat is mounted on the beam so a workman can ride above the cutting knife.

Traction according to Haines is important for successful operation. The best traction is obtained with the pull transmitted through the hydraulic lift to the tractor wheels. In order to cut to a full depth of 16 to 18 inches the soil must be damp or moist. After the cut has been made the rear tractor wheel is used to close the slit otherwise grass along the edge wilts and turns brown. To make doubly sure there is little or no scar left after the cutting operation Haines drives his tractor wheel over the slit twice.

A machine of this kind simplifies turf maintenance procedure along the edges of wooded fairways where feeder roots have noticeably affected turf and soil conditions by being able to prune tree roots without damage to playing surface.

A precautionary measure to be taken at all times to avoid damage to tile or pipe is the speed at which tractor is operated. Haines operates his tractor in second gear because he is the only man on the course who knows the location of all water pipes and tile.

#### CLUB MANAGERS ORGANIZE LONE STAR CHAPTER

Founded on June 7th at the River Crest CC, Ft. Worth at the inaugural meeting of 18 Texas Club Managers, the Lone Star Chapter of the Club Managers Assn. of America was presented with its charter on July 19th at the Houston CC, Houston by national pres., John J. Pomeroy, Red Run GC, Royal Oak, Mich., and national sec'y-treas., Fred Bernet, St. Louis, Mo.

Plans are already under way to have all eligible club managers throughout the state become affiliated with the new chapter and the national organization.

The following officers and directors were elected:

Page Curren, Pres., River Crest CC, Ft. Worth, E. L. Olsen, 1st VP, Houston Club, Houston; Sam Peters, 2nd VP, Abilene CC, Abilene; L. E. Harris, Sec'y-Treas., Colonial CC, Ft. Worth.

### It's On The House By TOM REAM

Mgr., Westmoreland CC

What is of more value to a club than that intangible asset—goodwill?

The only men who really know the club business are those who never stop trying to learn it.

The vacuum cleaner is the most effective weapon for prevention of vermin.

Preach and practice the gospel of good fellowship.

Put some hot stuff through your peeler drain occasionally. The accumulation is starch principally, and hot and cold water only congeal it.

The brand must live up to its reputation.

A certain amount of interference can be absorbed — beyond that, the whole place suffers and your statement shows poorly. On the other hand, if you have free sway, make sure you justify your responsibility.

Go to any part of your club and visualize a fire there. Would you be able to reach the alarm and extinguisher apparatus easily? The suggestion is to do this before the fire—you'll find out soon enough after it.

The club employee who knows his business never has to explain that fact.

To succeed in the business of club hospitality, one must be service-minded.

The name the club is given doesn't matter much. What counts is building up a good name for it.

#### O'Grady Dies

Bernard E. (Barney) O'Grady, mgr., Audubon CC, Louisville, Ky., died at Norton Memorial infirmary, Louisville, July 20 after a month's illness. O'Grady was one of the best known club managers and a man of great ability and warm friendship. He is survived by his widow, his mother and sister. O'Grady was pres., CMAA in 1933. His long service in the club management field included management of the Hamilton club in Chicago, Olympia Fields CC and Skycrest CC, prior to the Audubon job. During the war he was a captain in the Marine Corps, serving in the South Pacific. His strenuous service in the war was a factor accountable for his untimely demise.

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on the course - and in the hearts of its zooming list of users. Caddy Queen is breaking all records for popularity wherever it's shown. Here's why

- \* Caddy Queen's "cantilevered wheeling" rolls easier while you breeze lightly thru your game.
- \* Caddy Queen makes yours the most beautiful golf bag on wheels. It demands and gets the attention of Dubs and Pros alike.
- \* Caddy Queen is quick and easy to set up or fold away - as simple as tying your shoe.
- \* Caddy Queen folded takes little more room than the bag itself. Fits locker room, car or bag rack.
- \* Caddy Queen is light but sturdy, built to last a lifetime. Tough aluminum alloy and stainless steel throughout, has no brittle castings, tubing or welding. Chrysler oilite wheel bearings, are prelubricated never need attention.

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## Good Appearance Is Good Advertising for Greenkeepers

By CARL E. SABRAY

I was for a few years a golf course equipment salesman. I had an opportunity to observe the personal appearance of greenkeepers and I did.

What I have seen some greenkeepers accomplish suggests that personal appearance may have something to do with getting ahead.

I recall once meeting a man who impressed me by his appearance as being a substantial business executive. Soon I learned he was a pro-greenkeeper. A few years later he became the pro-greenkeeper at a much larger, private golf course. Whether his personal appearance had anything to do with his getting this better position, with its many advantages, I don't know. I do know, however, this much about it.

One day before this club had engaged anyone for that position, one of their executives mentioned to me the names on their list of applicants. The name of the acquaintance I have mentioned was on the list. I knew or had heard about most of the others and while some of them had equal experience, and in my opinion may have been as capable, it was this acquaintance who was selected. I'll wager his personal appearance at least was not in his disfavor.

It is doubtful if any greenkeeper would neglect his personal appearance at the time he was applying or was being interviewed for a position. How many have been guilty of it after the job was secured?

I have not known or heard of any greenkeeper ever being released or demoted because of neglect of personal appearance. It may have happened. I have heard club officials specify a greenkeeper for their club with good personal appearance.

#### Appearance Is Advertising

Notice that progressive merchants don't neglect either the outside or inside appearance of their establishments. They know that appearance is a factor in determining how often the cash register rings. National manufacturers don't stop at just producing the highest quality products; they spend thousands of dollars annually to advertise them. The most capable and experienced greenkeeper who neglects his personal appearance is advertising too, but in reverse.

Club officials and members understand that a working greenkeeper can't be doing maintenance and construction work on a golf course under many unfavorable conditions and be, as they say, all dressed up. He can't at those times wear a pair of shining shoes, a well pressed suit, and a matching shirt and tie. He doesn't have to look like a ragman either. He can shave every day, and when he thinks he might need a hair cut, not put it off, get it!

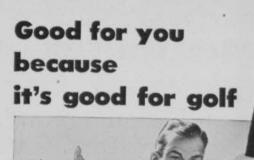
I recall a greenkeeper that I frequently called on when peddling my wares. He was employed by a substantial 18-hole private club. What always impressed me was that during the winter months I usually found him working in the barn on his mowers or other equipment getting it ready for spring use, and even under those conditions his appearance was always neat and tidy. He had been with that same club for several years then; was always furnished good equipment to work with-and in short had a good greenkeeping job. Maybe his personal appearance didn't have anything to do with it, but I called on his green chairman too, and in speaking of the high regard that he and his club had for this greenkeeper he never failed to sprinkle in a few words about the neatness of this greenkeeper's personal appearance.

Observe the personal appearance of the men who are your club officials; the salesmen who call. It is true they may be salesmen and business men and have something to sell. They have learned the worth of not neglecting their personal appearance, haven't they? And since when has a green-keeper nothing to sell?

The greenkeeper has a full time job of selling his boss and selling his workers. Selling the boss—his green-chairman and club—the ideas that get him sufficient help—more and better equipment—and maybe a better job. Selling his workers is just another way of producing better results.

Spend a little time working at improving personal appearance. It may turn out that the comments you haven't heard about neglect will come as the improvements show up.

You can likely judge what your daily score is on personal appearance by what your letters of recommendation say about it when you got your job and what they will tell you when you leave it.





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Golfers want comfort, convenience and quality in a golf bag. That's why so many have switched to Lightweight Balanced Golf Bag. Hundreds of thousands of golfers are getting more enjoyment from the game because they carry the lightweight bag that is full size, doesn't sag or spill clubs, and is balanced

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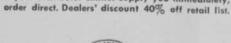
for easy carrying . . . Balanced Golf Bag.

More popular than ever, now available with or without hood, and backed by national advertising, Balanced Golf Bag is far ahead of the field as America's fastest selling golf bag. Be sure you have stock on hand—order today from your distributor or jobber.

Retail Price STANDARD MODEL

\$600 with hood, \$700

Finest quality duck.
 Sun-tan or white—trimmed in olive green.



If your distributor cannot supply you immediately,



BALANCED GOLF BAG, INC., North and Noble Streets, Chicago 22, III.

## High Schools Acclaim Golf As Intramural Sport

By REX McMORRIS

Results of the efforts of the National Golf Foundation and the Athletic Journal in creating and fostering greater participation in golf by high school boys and girls during the 1947-48 school year are graphically illustrated in a 24-page report recently issued by the Foundation.

The report is based on results of a survey made at the close of the school year in which it was undertaken to ascertain the total number of boys and girls who participated, the total number of rounds of golf played, whether or not materials furnished for the program were adequate, whether or not the same or a similar golf program would be continued, and most important of all, a personal estimate of the acceptance and merit of the game of golf as a school sport by the instructor or director in charge.

In order to understand the full importance of the report it must first be understood that the program planned for the high school boys and girls was for the purpose of getting the individual interested in the game and not so much for the promotion of golf as an interscholastic competition. An advisory council composed of Herb Graffis, Editor, GOLFDOM and GOLFing magazines; John L. Griffith, Publisher, Athletic Journal; Eldon I. Jenne, Director of Health, Phys. Ed. and Recreation, Portland, Ore., Public Schools; Robert J. Strauss, Supervisor of Golf, Public Recreation Com., Cin., O.; Rex McMorris, Director, National Golf Foundation; and Theodore Payseur, Dir. of Athletics, Northwestern Univ., and Chmn., NCAA, Golf Section, was appointed in early 1947 to make recommendations and outline procedures to follow.

It was agreed that some type of an intramural tournament program would be the most beneficial because such a program would give each student an equal opportunity to participate regardless of ability. Knowledge of the limited budgets under which most secondary school athletic departments operate necessarily precluded the addition of another sports program unless materials for such an activity could be presented to the schools at no cost to themselves. For this reason the committee decided the following materials should be prepared and furnished to schools indicating an interest in conducting an intra-

mural golf tournament program during the course of the school year: an eight-page booklet, Suggestions for Conducting Intramural Golf Tournaments, giving information on where to play, who may enter, when to hold the tournament, use of the entry sheet, type of tournament, duration of tournament, use of the draw sheet, how to make pairings, how to distribute byes, how to seed, where to locate seeded entries, distributing non-seeded entries, setting deadlines for play, mechanics of match play, posting scores, securing awards and use of publicity; a 32-place draw sheet; attractive lithographed award certificates; and special gold-bronze junior champion medals for both boys and girls.

An attractive, four-color, 17 by 22 inch folder was mailed to more than 17,000 schools announcing the program and the materials that were available for the conduct of the intramural tournaments. Some measure of the success of the program can be gathered from the statistics which have been compiled in the report.

A total of nearly a 1,000 intramural golf tournaments were held throughout the country. New York led with a total of 80 tournaments followed by Illinois with 72; Michigan, 43; Mass., 40; and so on down the line. Only four states are listed as not holding any tournaments. An average of 195 rounds of golf were played per tournament or a grand total of 175,000 rounds in the course of the entire intramural program.

It is encouraging to note that of the total number of tournament programs registered with the Athletic Journal as a result of the direct mailing and more than nine pages of publicity in the Journal announcing the program and the availability of materials this is the first year for 64 per cent of them to include golf in their intramural sports activities. Of the remaining group who had previously included golf in their sports program 98 per cent indicated the materials furnished were instrumental in creating more interest and greater participation in the game.

In answer to the question, "Do you plan to conduct an intramural golf tournament program next year?" 97 per cent of those returning questionnaires indicated they would. In those instances where schools



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for full range of golf practice shots in limited space.



## Every Need of Instruction and Practice is Answered by these Two Ederer Nets — "Portable" and "Invincible".

Now you can sell your players a net for real practice at home.

### The EDERER PORTABLE NET

LIGHT - STURDY - INEXPENSIVE

A brand new lightweight net that completely answers your own, and your players' need for a compact, easily portable net that provides for full shot golf instruction and practice.

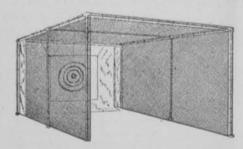
6½ ft, high and 10 ft, across with wings spread; ample area for inaccurate shots of beginners. Amazingly light, weighing less than 23 lbs, with backstop yet sturdy enough for continuous use for instruction. Its modest price means ready sales to your players at a fine profit to you.



OR TAKE DOWN

It takes less than two minutes to unfold the Ederer Portable, lock the side wings and hang the target back-drop. It folds just as quickly into a compact unit 3 ft. x 6½ ft. x 5 in. Its shipping weight, in a carton that serves for storage, is 25 lbs.

### EDERER "Invincible" Practice Net



Write for folder and prices on the complete Ederer line of sports nets...Golf, Tennis, Badminton and Volley Ball. "Invincible" — the full size Ederer golf net is the standard throughout golfdom for outdoor and indoor instruction and practice. Hundreds of clubs and pros have found the "Invincible" one of their most popular and profitable features in developing better and happier players. Ideal for controlling first tee waiting, instruction privacy and practice without shag boys.

### R. J. EDERER COMPANY

Invincible Sports Nets
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will not continue the program reasons were given which deserve the attention of all who are concerned with the development of the game. Some indicated there were no public courses available in their respective communities and private courses were not open to play for classes or school events. In other instances distance and lack of transportation facilities prevented any wide degree of participation.

There are more cases than one cares to admit where club officials and professionals refuse to make courses available or cooperate in any way toward the development of golf as a school sport. This apparently is true in some communities even though students are sons and daughters of club members. In the main this is perhaps understandable when one considers the complete lack of understanding of the rules or a knowledge of the etiquette of the game on the part of the youngsters. On the other hand this is too often true of the adult fairway strollers.

Granted there is justifiable criticism to the extent that course privileges should be refused the youngsters, what about the day when the students grow up to be adults. Will they be wanted on the golf course then? If it is to be admitted there is a lack of facilities for the proper development of all phases of the game should the intramural program be curtailed or can there be some common meeting ground of cooperation with those who are in charge of existing facilities?

Quotation of comments from school instructors listed in the report without a doubt are the most convincing arguments that can be presented in behalf of any program which will further student participation in golf. There is enthusiasm on the part of the youngsters and a willingness on the part of teachers which should be cultivated - not thwarted. They have asked for rules of the game, posters or charts on etiquette, material for medal play, instruction charts, films and literature; all aids which if properly utilized should bring about a continually increasing number of avid golfers fairly well grounded in the fundamentals, with an understanding of the rules and a knowledge of the etiquette of the game.

The great majority of communities are beginning to realize that golf has as much or more to contribute to the welfare of youth as any other sport and grateful acknowledgement should be made where unusual effort is being made to provide adequate facilities for the game. As a carry-over sport that can be enjoyed by young and old alike regardless of age golf has no equal and there is evidence of an ever increasing realization of this fact. The following direct quotations give an in-

teresting cross section of the status of scholastic golf in the schools across the nation and provide a firsthand report on the activity which is creating a greater interest and participation in the game.

From New York: "We should increase our program 400 or 500 per cent now that we can use our municipal course for a nominal fee."

"Excellent idea for recreation as carryover sport after high school and college days."

"The main difficulty in the promotion of golf in high school and junior colleges is the difficulty of securing equipment at reasonable prices. . . . I have found that every student who takes up golf becomes a potential lifetime golfer, and the school is the easiest place to bring the large masses of population into contact with golf."

From Iowa: "This is a good program. Can't it be carried out in the summer with the pros?"

"Golf course operators should be informed of this program and special rates be set for school students participating, as most rates are too expensive for the average high school student to play every day."

"Make arrangements with USGA members for use of courses."

From Wisconsin: "Well received in school and community. Golf course officials cooperated 100 per cent."

From Georgia: "Interest grew among players, student body, patrons, and spectators. Anticipate more enthusiasm next year."

From New Jersey: "I plan to conduct two such tournaments per year, one in the fall and one in the spring. During the winter months I hope to induce some professional to conduct instruction, perhaps one hour a week over a six weeks period."

From Ohio: "We had more interest from the students in the tournament than we have had in past golf teams."

From Texas: "We had noticed a lack of interest for golf among boys of high school age until we planned the tournament. Now they play every day."

From Indiana: "I appreciate your support in this movement. We are interested in developing golf among the youth, but we encounter all our opposition from the golf professional in our city. What we need most of all is the interest of the professional and his backing."

From Iowa: "Your program will lead to an interscholastic program equal to all spring sports."