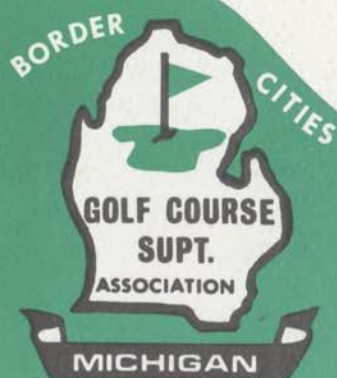


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A PATCH of GREEN

Official Publication of the
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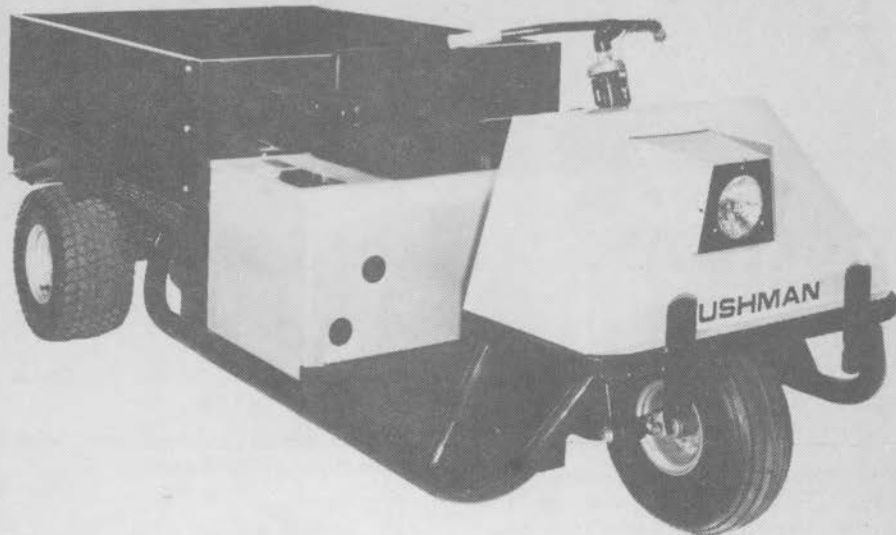
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Sign in the grill room at Bay Pointe Country Club depicting Walter Hagen's philosophy.

You're only here for a short stay.
don't hurry don't worry and be sure to
smell the flowers along the way. *Walter Hagen*

GOLF DAY... a record breaker!

Way back in mid-January, President Clem Wolfrom, President of the Michigan and Border Cities G.C.S.A., made a formal request of 25 of the finest clubs in the Detroit Metropolitan area to use their facilities for the purpose of conducting the 13th annual Turf Research Benefit on Thursday, September 7, 1978. It was planned that these clubs would each host four foursomes of golfers (a total of 100 foursomes) on the morning of September 7. The Clubs agreed to waive greens fees and cart charges. Twenty-two generous cooperating and understanding Clubs graciously accepted our request and helped us make this the most exciting and successful golf day ever. They extended their facilities to us for this worthwhile cause - "Turfgrass Research in the State of Michigan." For this we are appreciative and grateful. We wish to thank the following clubs:

Detroit Golf Club
Plum Hollow C.C.
Tam O Shanter C.C.
Pine Lake C.C.
Oakland Hills C.C.
Forest Lake C.C.
Franklin Hills C.C.
Red Run Golf Course
Grosse Ile Golf & Country Club
Dearborn C.C.

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Washtenaw C.C.
Bay Pointe Golf Course
Knollwood C.C.
Meadowbrook C.C.
Western Golf & Country Club
Lochmoor C.C.
Shenandoah Golf & Country Club
Wabek C.C.

Continued on next page

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Foremost Construction Co.
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Gene Bone - Pro, Bay Pointe Golf
Club



Above: Some of the prizes for the auction.

2nd Prize! A wheelbarrow full of cheer.



THE GRAND PRIZE!!!

A deluxe camper — won by the W. F. Miller Company.

Golf Day continued

Following the round of golf at the Clubs listed, all participants adjourned to Bay Pointe Golf Club for a buffet luncheon and a "Las Vegas Party" which lasted well into the night. Gambling tables and wheels were found everywhere - play money was distributed to all players and the big winners used their money to bid for gifts at the auction.

Beside the money received on the big day, we also had a hard working raffle ticket committee that began distributing tickets to our membership late last winter. Each member was asked to sell \$30 worth. Many sold more. We also sold tickets at the annual flower show in March and all during the summer at various clubs. The winning ticket won a deluxe camping trailer and second prize was a wheelbarrow full of cheer. This enthusiastic committee was headed up by Jerry Gill and Marv Dominic.

Gordy LaFontaine and Eddie Heineman were co-chairmen of the entire event. Fritz McMullen was Chairman of the Golf Event and Don Benham was Chairman of the Las Vegas Party. Thanks to all of them and their hard working committee men for the biggest day ever.

\$12,000.00!



Continued on next page



Above:
Don Benham,
Chairman of the
"Las Vegas"

Right:
Who is the
Lucky Winner?



Above:
Gordy LaFontaine,
the Auctioneer.

Below:
Drawing the
lucky winner out
of the drum . . .
Guess Who???
W. F. Miller won
the deluxe camper.



Left:
You can tell the
winners and the
losers.

Below:
President
Clem Wolfrom
thanking the
crowd, as Gordy
looks on.



Protect your irrigation system from freezing

Compliments of Paul Bando, SISCO

Check these important points before you start draining your system:

1. Shut down early — before freezing temperatures become a threat.
2. Plan in advance — a systematic step-by-step procedure will assure the best drainage and make sure all parts of the system are covered.
3. Have the tools available to do the job.
4. Have replacement drain valves and fittings to cover any valves that have caused trouble before.
5. Check your irrigation system plan or layout, for location of the manual drains in the system. Can they be located? Are the drain sleeves centered over the valves so they can be operated from above ground at grade level?
6. Check the operation of the master shut-off valve from the present city main. Will it seal off the water and not let it bleed into the sprinkling system during the winter months?
7. Do you have any gravel drains which you know should be rebuilt? Drains built in heavy soils will fill in with time and will not absorb the water quickly.

If the system was installed to grade and manual drain valves have provided good drainage in the years past, continue the same procedure. The following steps will be helpful in setting up a new procedure or serve as a checklist to your present procedure:

1. Turn off the pumping plant (or water service) and depressurize the system by bleeding off the main and pressure tank.
2. Insert couplers at the higher elevations and allow the air to bleed back into the system during the drainage procedure. Bleed out as much water as possible through outlets above the ground. Now, open the manual drain valves at the low points.
3. Allow sufficient time for the water to drain out of the pipe and for the water

to be absorbed by the gravel sump. The time required is dependent on the amount of water, condition of the gravel sump, size of the drain, and depth of the water table. Allow 2-3 days for drainage on light sandy soils and 5-7 days on heavier soils. Be sure the water has drained from the line.

4. Open the in-line manual control valves at each tee and green to allow the water to flow to the low area.
5. After complete drainage of the line, close off the drain valves to prevent the re-entry of water due to the rising water table, flooding conditions or melting snow.
6. Remove the couplers from the quick coupling valves at the higher elevations.
7. Any sprinkler heads which are in low flood areas should be sealed off and if necessary, removed from the riser and capped shut.
8. In low areas where the water table is too near the surface and drainage is not possible, a "pumpout" type sump will be required.

If you are using air to blow out the system, check the following steps:

1. The air compressor must be of adequate size to keep the water moving down to the end of each lateral section. For golf courses a 250 cubic foot/min. air compressor would be needed.
2. Inject the air at the pump house location, through the main trunk lines to each branch lateral line.
3. Plan for the removal of water out of each branch lateral line and on automatic systems sequence and operate each valve station until air displaces the water.
4. Repeating the procedure is important. Water will drain and collect again in the low areas of piping (4 or 5 times may be necessary).
5. After you think you have removed all the water from the pipelines then crack

Continued on page 17

Wastewater Conference

NOVEMBER 13-14, 1978

The USGA Green Section in conjunction with the American Society of Golf Course Architects is presenting a most timely subject on Wastewater usage. Because of the future pressures that we are anticipating on "Conservation" of *all* natural resources, including water, I would urge all of you to attend this conference. It is being presented on November 13-14, 1978 at the Arlington Park Hilton, Euclid Avenue and Rohlwing Road, Arlington Heights, Illinois 60006.

Subjects to be offered are:

- Irrigation water uses
- Regulations and ordinances governing wastes on recreational land
- Design for wastewater systems
- Use of wastewater for fire protection of forests and turfs
- Turf Plot irrigation using wastewater
- Industrial preparations anticipating wastewater irrigation
- Implications of the American Society of Golf Course Architects white paper study
- Estimating the feasibility of sanitary wastewater effluents for recreational area irrigation projects
- Wastewater irrigation - The environmental concerns
- Wastewater use for recreational turf
- Economics of applying municipally treated wastewater on turf
- Chemical properties of soils and how industrial wastes affect them
- Use of composted sludge for commercial sod production
- Processed sludge for recreational turfgrass use
- A golf course Superintendent's

experiences with wastewater irrigation

Prepare yourself for the future, plan to attend. Contact:

USGA Green Section
P. O. Box 1237
Highland Park, New Jersey
Attn: A.M. Radko

Barnes Named by Century Rain-Aid

The appointment of Norman Barnes as AG Dealer Manager has been announced by Ernie Hodas, president, Century Rain-Aid, Madison Hts., MI. Mr. Barnes will establish dealerships for the new Irromat system of farm irrigation in the Midwest region.

In his new post, Barnes will select, then train local dealers to sell and service the new, West German made, Irromat irrigation system concept that uses no traveling hose, no cables, no earth anchors. He will regularly contact the dealers to supervise and give support to marketing programs.

Barnes, a graduate of the University of Illinois, has been General Sales Manager of Skinner Irrigation Company, Cincinnati, Ohio for the past ten years. He also held sales management positions with Swift & Co. and Agrico Chemical Co., both located in Chicago, Illinois. Barnes brings an extensive knowledge of agronomy and irrigation to his newly created position. He will be headquartered in Cincinnati, Ohio and have responsibility of the Midwest region including Ohio, Michigan, Indiana and Illinois.



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The only turfgrass show of international scope in the world will accompany the conference, February

6 - 8. Well over 200 exhibitors are expected to fill the Georgia World Congress Center with the newest and the best in Turfgrass equipment, products and services. As a registered conference attendee, you will have three days to examine these interesting and informative displays.

The dynamic city of Atlanta is yours to discover when you're not involved in conference activities. This exciting city combines cosmopolitan atmosphere with down-home charm. You and your family will enjoy outstanding shopping, sightseeing, dining and entertainment while attending the conference and show.

GCSAA Regional Seminar - MANAGEMENT II - November 8-9, 1978

Remember - GCSAA Regional Seminar Management II - will be held at East Lansing, Michigan on November 8 - 9, 1978. \$80.00 for GCSAA members and \$115.00 for non-members.

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Effective placement of new trees on the golf course

by Donald L. Childs
Golf Course Architect

Bills/Childs Associates, P.C., Pontiac

The reasons for planting trees on a golf course may be quite varied. The course may be new, with all or portions constructed in open areas, or there may have been plant material losses from such things as storm damage, dutch elm disease or similar factors. A third possibility is that many courses exist which have simply never budgeted for a tree planting program even though the need has existed for some years. There is really no site that has perfect trees for every fairway.

Whatever the needs, there are five primary criteria for placement of additional trees. They are:

1. For protection and safety.
2. To make the course "read" - such as defining fairways, back-dropping greens, turning doglegs, etc. These are visual placements and provide scale and depth perception as well.
3. Creating hazard or changing playing characteristics.
4. Marking distances on fairways.
5. Screening views or enframing views.

Tree locations may be designated into the golf course in a number of locations for the above purposes. Analysis of play and of possible errant golf shots will show where trees can be located to protect a tee or green from a sliced or hooked ball or an overshot. Placement between fairways in general landing areas or slightly off the tee can protect adjacent fairways from a badly sliced ball by catching the ball in the leaf and branch structure.

Proper design can often make tree locations serve more than one purpose.

Protective plantings around a green can also backdrop the green which aids in making it "read" from the tee or fairway. Fairway plantings also define a golf hole, particularly a dogleg, and tell the golfer on the tee how the fairway plays. A large open area of parallel fairways is often confusing to the golfer. Trees aid in making each hole "read" individually in both direction and scale and help the golfer to judge distances during play.

Another use for trees is to locate them in a manner which brings them into play in strategic locations. For example, reinforcing the turning point in a dogleg hole in a position which will provide a golfer the choice of carrying a shot over the trees for a more advantageous lie or playing it safe around the trees. A short, easy hole can be made more difficult by encroaching from both sides of the fairway near the green, requiring a more accurate approach shot. A tree can also take the place of a fairway bunker by placement in the edge of the fairway to provide some hazard and is much less expensive to maintain than sand.

Marking distances is another use of trees, and 150 yard markers are planted in the edge of the fairway to aid golfers in judging distance. Specimens should be used which vary from the native trees on the site so that they will stand out by contrast, either by foliage or bark color, or by shape.

Lastly, general landscape use of trees can be made to screen out a service yard or perimeter land use,

continued on page 14

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CITY _____ STATE _____ ZIP _____

Or you may contact the next golf course supplier who calls on you and give him the information needed for application.

Golf Course Superintendent Position Openings

The MBCGCSA Board of Directors wish to inform you of the following Golf Course Superintendent positions available:

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Departing Supt., Owen Phillips

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- Send detailed resume to:
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Effective Tree Placement cont.

to provide shade and setting for the clubhouse, to enframe good views and screen out bad ones.

Some do's and don'ts for planting:

1. Never plant trees closer than 20 to 25 feet on centers to facilitate easy maintenance with gang mowers.
2. Plant in odd number groupings such as 3 or 5 in a natural non-row pattern.
3. Never plant in a straight line down the rough. Nature abhors a straight line (it is man's design) and a golf course should augment and enhance nature, not fight her.
4. Beware of establishing too much foliage around a green, particularly low level foliage. It can inhibit air movement, resulting in turf problems on your greens.
5. Don't use low branching material or trees with thorns. Golfers may be able to avoid them but your mower operators will have to wear a suit of armor.
6. Use trees with moderate to small leaf size to minimize leaf removal problems and also species which do not drop fruit, seed pods, branches, or which are extremely susceptible to storm damage.
7. Use trees which provide a large mass of foliage in relatively few growing years. Too many small evergreens will not have much visual impact. Use them only for accent, variety, or screening.

8. A large scale planting program can be costly. Have a Master Planting Plan prepared and set up an annual budget for phase planting, setting a priority for each year's work. It is surprising how rapidly you will achieve your goal as each phase adds up to a better and more beautiful course.

The Pennsylvania Turfgrass Council sets 1979 meeting dates

The Pennsylvania Turfgrass Council has announced the following dates for five Regional Turf Schools and the Pennsylvania University Turfgrass Conference.

Southeast Pennsylvania Turf School & Trade Show, Westover CC, Jeffersonville, Pa., January 16-17.

Western Pennsylvania Turf & Grounds Maintenance School-Trade Show Howard Johnson Motor Lodge, Monroeville, Pa., January 23-25.

The Pennsylvania State University Turfgrass Conference, Sheraton Penn State Inn, State College, Pa., February 13-16.

Capital Area Turf School, Hershey Motor Lodge, Convention Center, Hershey, Pa., February 20-21.

Northeastern Pennsylvania Turf School, Master Host Motel, Wilkes-Barre, Pa., February 27-28.

Northcentral Pennsylvania Turf School, Smethport CC, Smethport, Pa., March 20.

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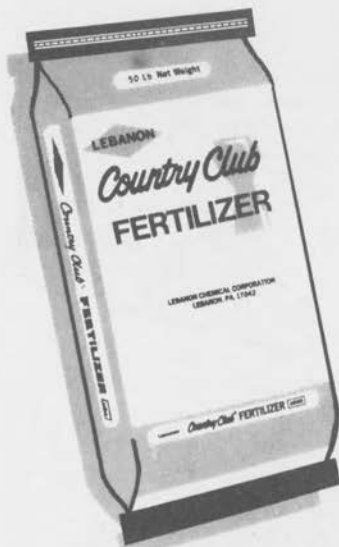
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Cup placement rules – How important?

Rules on where to place a cup? There are none – official, that is. The USGA, Godfather of golf play and playing conditions, has wisely only offered suggestions and left good judgement to you. There is little question about the importance of proper cup placement and proficiency in changing the location. Important it is because 54 shots in each 18 hole round are concerned with pin placement – 18 to the green and 36 on the green – a mere 60 to 75% of all the strokes a golfer should need.

Here's what the USGA says:

1. If possible, have the cup at least five paces (15 feet or so) from the green's edge and further than this from any sand bunker.

2. Place it in as near a level area as possible and level over a six foot diameter if possible. The ball, when putted should not gather speed or have

excessive break. The player should be able to putt boldly for the hole.

3. Always use good judgement to permit fairness for the golfer.

4. Avoid tricky cup placement.

Other things to consider:

5. Qualifications of the players.

6. Size and condition of the green.

7. When changing cups, avoid leaving a raised edge around the rim.

8. Make sure the old hole surface is as low as the surrounding green surface.

9. So you have built in problems that don't give you much choice. Just do the best you can and maybe the devil will forgive you anyway. Remember, there are plenty of others in the same boat.

– from Iowa GCS Reporter, Vol 10 No 8

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L to R: Dr. Kenyon Payne, MSU; Ted Woehrle, Supt., Oakland Hills; Dr. James Watson, VP, The Toro Company; Dr. Paul Rieke, MSU; C. E. 'Tuck' Tate, Pres., Northern Michigan Turfgrass Managers; Bill Quinn, Supt., Kalamazoo Elks Golf Club; Dr. Joseph Vargas, MSU; Bruce Williams, Supt., Bob O Link Golf Club; Bruce Wolfrom, Supt., Barton Hills C.C.; Dr. John Kaufmann, MSU.

Protect your irrigation system cont.
open the drains and blow out until only air escapes.

6. When the water has been removed the drain valve should be closed to prevent the re-entry of water due to flooding, rising water table or melting snow.

Special attention for automatic controllers:

1. Leave the electric current on each of the field controllers during the winter season. Keeping the timing motors energized will add heat to the cabinet and help to lower the relative humidity and reduce moisture and condensation.

2. Seal off any holes in the panel enclosure so that rodents will not nest in these locations and cause any shorting out.

3. Program a short time intervals to activate each valve station (2½ to 5 minutes timing at each station once a day.)

Pumps and Pumping Plant

1. Secure electric controls to "off" — lock in "off" position or remove fuses.
2. Remove water from mechanical piping, pumps, check valves and pressure tank.

3. Disconnect suction line, or open drain in suction piping to prevent breakage. (Caution: Drain valve must be below frost level).

4. Cover any openings in pumps, suction piping, and discharge piping to prevent entrance of rodents, or having foreign objects all into the lines.

5. Particular attention to remove and drain the regulator pilot control valves on pressure regulating valve.

6. Remove any water from air compressor lines, pressure switches, and pressure gauges.

7. Pay special attention to drain pneumatic air chargers. They must be disconnected and stored in non-freeze building.

8. Most of the centrifugal pumps used for irrigation have a stuffing box. Loosen up the stuffing box and distribute the grease. Back off and loosen the gland for winter storage.

9. Spray a rubber preservative on any

Continued on next page

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Protect your irrigation system cont.

rubber suction gaskets, diaphragms, and foot valves to keep them from drying out and cracking over the winter months.

10. Special guidelines should be followed to protect gas driven pumps. Follow the manufacturers recommendations to protect the cooling system, cylinders, battery, and pump casting. Vacuum pumps and vacuum primers should be removed and stored in a cool dry place.

National GCSAA Golf Team Qualifications

Format for qualifying is as follows: Best two out of three scores at the next two golf superintendent meetings and the tournament site. Those are the Annual Meeting at Maple Lane Golf Club on October 3, 1978 and Grosse Ile Country Club on October 24, 1978 followed by Sea Island Georgia on Wednesday, January 31, 1979.

There is no handicap, the best score wins. If you have any questions, call Jay Delcamp at home 469-6226 or at his office 468-1432.

Sincerely,
Robert W. Hope, CGCS
Secretary-Treasurer

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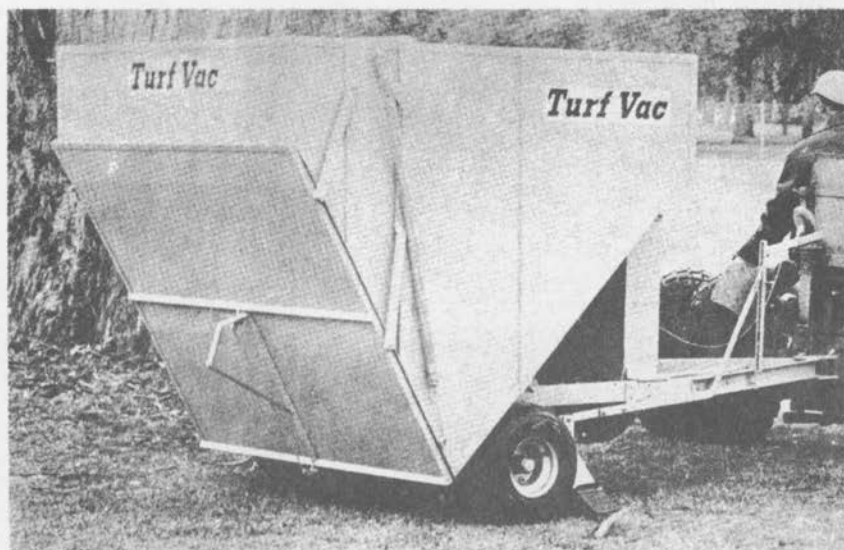
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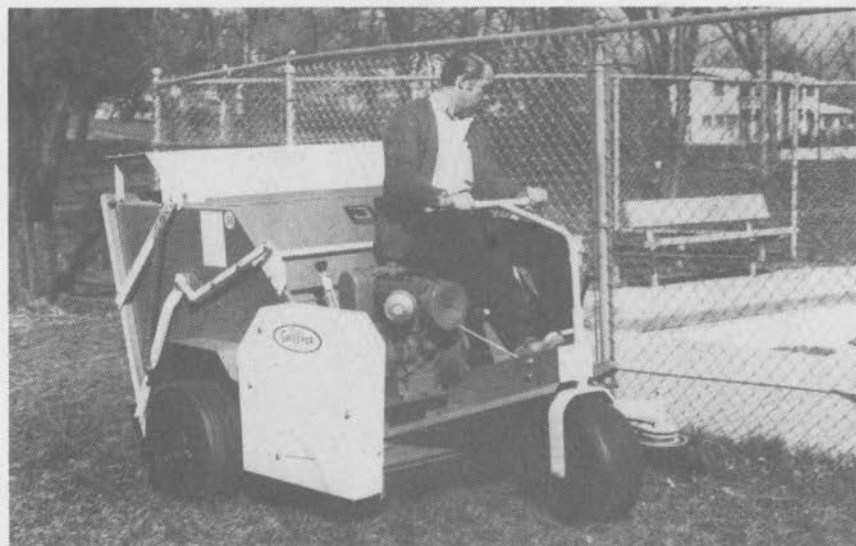
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