P.V.R. (Pedestrian Vertirake)  
- for Golf greens, Bowling greens, Cricket pitches and Tennis courts.

J.V.R. (Junior Vertirake)  
- for Golf course greens, Bowling turf, Fine lawns etc.

T.V.R. (Tractor Vertirake)  
- for Golf course fairways, Municipal Parks, Sports pitches.

These three machines have been designed to remove all the thatch, thus stimulating recovery and growth of strong healthy grasses. You will find that each machine will clear the difficult, dead, matted, fibrous grass that is so often so difficult to get rid of.

We have a machine for every purpose from the small golf green to the largest Municipal playing fields. One great labour saving device we have fitted on our P.V.R. model is the very large glass fibre collecting box which saves an enormous amount of time and energy that would otherwise be wasted in sweeping up afterwards.

Start your New Year off well by writing for full information on VERTIRAKES to:

H. PATTISSON & CO. LTD.,  
STANMORE HILL WORKS, STANMORE, MIDDLESEX.
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Front Cover Picture

Dorman Introduce New Range of Trailed/Skid-Mounted/Trolley, Engine-Driven Sprayer Units.

Top Left:
44-gallon trailed Dorman Sprayer unit with twin 100 ft hose reels—one in use with 7 ft 6 inch cover, hand lance spray boom.

Top Right:
44-gallon trailed Dorman Sprayer unit with 18 ft cover, spray boom.

Bottom Left:
110-gallon trailed Dorman Sprayer unit with fixed road-speed axle, fitted with 10 ft 6 inch cover, spray boom—here in use for de-icing operations.

Bottom Right:
88-gallon skid-mounted Dorman Sprayer unit mounted onto Haflinger platform, fitted with 30 ft cover, swan nozzle (instead of a conventional spray boom) for rough ground operations.
The latest automatic grinders
The most up-to-the-minute machinery
The most experienced craftsmen repairers
The nation's finest mower repair department
Large spares stockholding
Main distributors for M.A.G. and ASPERA

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*The independent family firm with the personal service*
On holiday in Scotland last month, I attended morning service in the local village with some friends. Before the service began, the minister came out of the vestry and removed the board showing psalm and hymn numbers. When he brought it back, the first item read ‘Par 2’ "Must have known you were coming" a friend whispered. "Must be a very short service" I whispered back. By chance the minister happened to be a golfer—plays at Fort Agustus. Annual subscription £3.00.

Golf International reports a Chi Chi Rodriguez new course in his native Puerto Rico. The layout has 19 holes, cart paths down the middle of the fairways and watering on the sides in the rough. The reasons for the innovations?

The first hole in the round should never count—the middle of the hole should reward straight shots with a bounce for extra distance—most courses have watering centred on fairways stopping the ball dead on wet spots.

P.L. London Golf Club, a new course for both Japanese and British sponsored by a Japanese organisation, is now well into construction by Messrs. J. R. Bishop, the firm who reconstructed the Wembley Stadium. P.L. stands for Perfect Liberty, a state of mind which recreation through golf is believed to induce. The site is at Essendon, under 45 minutes north of London.

Reference is made in this issue of the magazine to Mr. Jack Wayman having retired after 42 years loyal service on the Green Staff of Ashridge Golf Club. May I add my good wishes to those of his Club and colleagues for a long and happy retirement.

Robert Trent Jones, in a talk before a group of Chicagoland superintendents, suggested that a monorail system might be a long-range solution to moving golfers around the course, rather than golf carts.

These will be the last Tee Shots written for this magazine as Hon. Editor. Best wishes to the new editor and thank you for your patience over the last seventeen years.

---

CANNOCK Granular Fertilisers
IDEAL FOR FAIRWAYS AND APPROACHES
CANNOCK FERTILISERS LIMITED, CANNOCK, STAFFS WS11 3LW

October
Keep turf at its best - all season

with a single feed from new Gold-N

Gold-N is completely different from conventional turf fertilizers. Following an initial boost of nitrogen, it supplies this vital nutrient slowly and continuously over a period of 3 to 6 months. All from a single application!

Constant Quality
This steady supply maintains turf at its best. Keeps it thick and green. There isn’t the intermittent “too lush, too little” effect of more soluble fertilizers. And because Gold-N resists leaching in wet weather, grass vigour is maintained even on free-draining soils, golf courses, public open spaces and reclaimed derelict sites.

It’s Consistent
Gold-N minimises scorching, tolerates variations in temperature and moisture. And because it’s made to rigid specifications, every bag is as good as the next. It’s easy to handle and spread - by hand or machine. And it’s hygienic so there’s no danger of the diseases associated with organics like hoof and horn. What’s more the nitrogen content is virtually all usable.

Superior Performance
Gold-N saves money by eliminating leaching and other wastage. It works economically in situations where perhaps five or six dressings of the usual fertilizer would be required – keeping time and spreading costs to a minimum and increasing playing time. It will help to transform sparse growth areas to lush swards in one or two seasons and after only one application per season.

For full details of Gold-N, contact:
England & Wales – Chipman Chemical Co., Horsham, Sussex EH6 7EN. Tel: Horsham 60341
Scotland – SAI Horticulture Ltd., Hortus House, 3 John’s Place, Edinburgh. Tel: 031 554 5451/6
N. Ireland – Richardsons (Ulster) Ltd., 1 Short Strand, Belfast BT5 4BS. Tel: Belfast 57424/5/6
Eire – ICI (Ireland) Ltd., 5/9 South Frederick Street, Dublin 2. Tel: Dublin 771831

NEW
Gold-N keeps grass lush and green
Grasscarpet
for a better sports turf

“Grasscarpet” is a new and major breakthrough in turf technology and the ideal product for the construction or the repair of all Sports Turf areas.

“Grasscarpet” is natural turf, grown to suit individual clients’ requirements and ecological conditions for projects such as Golf Greens, Tees, Fairways, Bowling Greens, Football and Rugby Pitches, Cricket Squares and Outfields, Hockey Fields, Tennis Courts, and all other Sports and/or Recreation areas.

“Grasscarpet” is weed-free turf, grown from specially selected healthy persistent grasses without any artificial or chemical aids. After rolling out, it establishes rapidly without elaborate after-management.

“Grasscarpet” is grown, with approximately 1.25 cm of best soil, in strips 1 metre wide and up to 5 metres long.

“Grasscarpet” does not need boxing and will not shrink or crack. Simply roll out “Grasscarpet” on to any type of soil and it will be ready for use in a matter of weeks, the joins being virtually invisible.

Because of the specially incorporated stablization net, “Grasscarpet” is drought resistant and hardwearing. This unique net also alleviates surface compaction, reduces waterlogging and inhibits the growth of weeds and other unwanted vegetation so often present in ordinary turf and seeded areas.

Appearance
“Grasscarpet” is grown from bred varieties and specially selected cultivars demonstrating a pronounced prostrate growth habit. This gives the dense, weed and disease free, “Grasscarpet” surface a uniform rich green colour and appearance.

Weight
1 square metre weighs 5.5 to 6.5 kgs. (12-14 lbs.), i.e. three times lighter than ordinary turf.

Dimensions
Soil ... ... ... ... ...
Width ... ... ... ... ...
Length ... ... ... ... ...
Approximately 1.25 cm.
1 metre
2-5 meters (as required)

Note dense healthy fine grass sward.

Laying
No elaborate soil preparation is needed.
Simply roll out “Grasscarpet” onto firm fine tilthed ground. If necessary, a light roll can be applied with a 3-5 cwt. roller. “Grasscarpet” does not need boxing and is easily cut to any shape or size with ordinary household-type scissors.
Phyllologists beware!

If you collect leaves take warning – don't leave too many lying around this autumn. We consider any collection of leaves not protected by the NSPCL as fair game for these SISIS machines. But you could beat us at our own game and use a SISIS machine yourselves for speed and economy. Whether you have a suitable tractor or not, we have a machine to solve your leaf collection problems now (and cope with general litter, grass cuttings etc. during the rest of the year).

DISPO-SWEEPER
This self propelled machine is 36ins. wide and pedestrian controlled, collecting material into vertically mounted disposable sacks which are easily removed when full and replaced in seconds.

LITAMISA
The 6ft. tractor mounted Litamisa has p.t.o. driven brushes and a larger capacity hopper. The tractor driver operates all controls, including emptying the hopper without leaving his seat.

Write for further details and an illustrated brochure to

sisis

SISIS EQUIPMENT (Macclesfield) LIMITED, Shoresclough Works, Hulley Road, Macclesfield, Cheshire SK10 2LZ. telephone Macclesfield 26363 telex 669795
After—Management

“Grasscarpet” can be mown and/or fertilized within 4-6 weeks of laying, but should not be cut below 1 inch until it has been established for at least 10 weeks. Because of the types of grasses used and the unique method employed in growing “Grasscarpet”, the need for mowing and other managerial tasks, i.e. fertilization, irrigation and disease/weed control, is reduced considerably.

Progress comparison

<table>
<thead>
<tr>
<th>Stage of Development</th>
<th>“Grasscarpet”</th>
<th>Ordinary Turf</th>
<th>Seed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root establishment</td>
<td>5</td>
<td>20</td>
<td>35</td>
</tr>
<tr>
<td>Ready to Use (Ryegrass Mixture)</td>
<td>10</td>
<td>28</td>
<td>55</td>
</tr>
<tr>
<td>Ready to Use (Non-Ryegrass Mixture)</td>
<td>30</td>
<td>55</td>
<td>80</td>
</tr>
</tbody>
</table>

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- AUTOMATIC AND MANUAL CONTROL SYSTEMS
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- PORTABLE SPRINKLERS
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(A Tate & Lyle Company)

name:
address:

October
MAKE MORE
OF MANPOWER

Another
FIRST
from TORO

Toro Sandpro
First ever mechanical sand rake in U.K.

- Time-saving 68” width for single-handed raking of fifteen large-area sandtraps to tournament standard in one hour
- Reliability and economy from the 8hp Kohler engine, giving maximum speed of 5 1/2 mph
- Full area coverage with infinite manoeuvrability from the zero-radius turning
- Superb traction with no compaction from the special low-pressure tyres
- Cost-cutting raking efficiency from the crust-breaking forward blade, four independent conditioning sections and nine finishing sections adjustable for depth of penetration
- Reassuring stability from the 40in wheelbase and low centre of gravity of this lightweight 650lb machine
- Ideal for the larger open area sandtraps of the modern golf course
- Handy accessories include edging attachment for sandtrap edges and 6 1/2’ x 6’ drag mat

For further details, get in touch with TORO (U.K.) SALES & SERVICE a division of Flymo Ltd. Greycaine Road, Watford, Herts, WD2 4PT. (Watford 41301) Sole distributor for TORO in U.K. and Channel Islands.