

MATIC drum (by means of brass coupling provided). The hose is then fully wound on.

2. A shut-off valve is connected to the free end of the hose.
3. The required length (and diameter) of feed hose is connected to other side of shut-off valve.
4. The free end of the feed hose is connected to the water point and the shut-off valve is sited in the desired position.

Operation

Having picked up the end of the guide wheel frame, the operator walks forward leaving a trail of hose on the ground behind him.

(The hose pattern laid down will depend on the nature of the area to be irrigated, but can be devious as one requires.)

On reaching the point where one wishes to commence watering, the following steps are taken :

1. The width and fineness of spray is selected by adjusting the spray-arm nozzles.
2. The TRAVEL-MATIC's rate of speed is selected by adjustment of the control knob. All models can be set for stationary sprinkling. The Super and Deluxe versions have two forward speeds, while the Standard and Compact versions have only one forward speed.
3. The guide wheel is positioned on top of the hose.
4. The water is turned on.

How the TRAVEL-MATIC Works

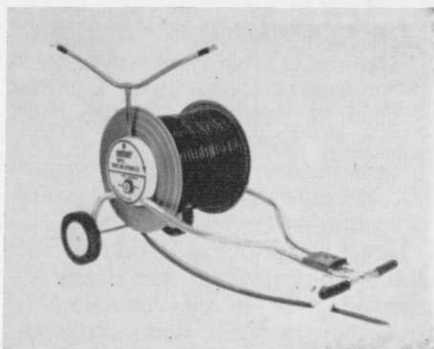
Around the base of the vertical tube, which supports the spray arm and through which the water passes, is a fixed gear. This gear is connected to a series of other gears, the last one being permanently fixed to the sprinkler's hose drum. It therefore follows that the rotation of the spray arm will cause the drum to revolve, (as-

suming that the TRAVEL-MATIC has been set to travel) and thus reel in the hose. In effect, the TRAVEL-MATIC is pulling itself towards the water point and the guide wheel, resting on the hose, ensures that it faithfully follows the laid down hose route.

Eventually, the guide wheel will make contact with the shut-off valve, effectively stopping the flow of water to the sprinkler, and thus bringing it to a complete halt. By the time the TRAVEL-MATIC comes to rest, the complete hose length will be back on the sprinkler's drum.

Some advantages of the TRAVEL-MATIC Sprinkler

1. The spray pattern formed by the revolving spray arm results in very even coverage with little variation in the density of application across the width of spray (up to 60 ft.) and fineness of spray, controlled by adjustable nozzles.



2. The TRAVEL-MATICs are both easy and quick to set up. Even the largest unit should take less than two minutes to connect up to the water point, run the hose out and turn the water on.
3. With its ability to follow any laid down hose pattern, The TRAVEL-MATIC can be used to irrigate irregular green shapes without excessive water being

laid down due to constant "overlap" (which is a feature of the impact "part circle" sprinkler's green watering pattern).

4. Whereas the segment, or part circle, sprinklers are, perhaps because of poor water pressure or faulty mechanical action, somewhat prone to dwell or stick at the end of each sweep, the TRAVEL-MATIC can be relied upon to spray evenly due to the constant rotation of the spray arm. This is an important point to bear in mind when one considers the problems arising from unattended, or faulty, sprinklers, i.e. flooding, water wastage.
5. The value of night time watering—in providing considerable reductions in water usage (less evaporation and transpiration loss) and allowing full utility of club facilities, is well known, as are the problems in implementing night time watering by means of ordinary portable sprinklers. However, the TRAVEL-MATIC's ability to shut itself off automatically, having completed its task of laying down a precise bed of water over a prescribed area, provides an economic answer for those clubs who cannot afford to install a fully automatic underground system.

To be worth doing, night watering should be carried out completely unattended and in this context, the Greenkeeper, when considering the TRAVEL-MATIC, should bear in mind the security of those objects left out on the course overnight.

Pressure

The number of TRAVEL-MATICS which can be operated at any one time depends on several factors, e.g. the pressure available from the club's water source, the size of TRAVEL-MATIC being used, the diameter (and length) of hose connected from water point to the sprinkler.

The water pressure required to operate the TRAVEL-MATIC in a satisfactory way is a good deal less than is required for most other types of sprinkler, and this can, of course, be useful where water to the greens is provided by public mains. Apart from the hose drum, TRAVEL-MATICS are manufactured from non-corrodible materials. The gears are made from a nylon material.

NEW PRODUCT

A unique plastic capable of being nailed to wood without splitting is being used to produce letters, numbers and backgrounds for tee boards, and other signs around the golf course.

The plastic, called Duraply is marketed by **Sharman Parker Ltd. of Chapel-en-le-Frith, Cheshire**. It is rot-proof, fade resistant, simple and effective to use. If letters or numbers need to be changed a pair of pincers are used to remove the nails, and then the new letters or figures can be nailed on.

By maintaining a small stock of Duraply numbers, letters and backgrounds clubs can now make or alter tee-boards and other signs at a moment's notice with very little cost.

As well as letters and numbers, Sharman Parker are also offering a range of coloured backgrounds.

Further information is obtainable from Sharman Parker Ltd., Smithfield Mill, Market Street, Chapel-en-le-Frith, Stockport, Cheshire, SK12 6JS.

Situations Vacant

HEAD GREENKEEPER

The Irvine Golf Club, Bogside, Ayrshire requires the services of a Head Greenkeeper. Generous salary and good accommodation provided. Please reply in writing to:

The Secretary
Irvine Golf Club
151 High Street
Irvine
Ayrshire KA 12 8AD

ROYAL BLACKHEATH G.C.

Require experienced Head Greenkeeper. Good salary and accommodation provided. Apply with references to Secretary Court Road, Eltham, London S.E.9.

HEAD GREENKEEPER

required. Good salary and modern accommodation is offered to experienced man. Apply to:

The Secretary,
Scraftoft G.C.,
Scraftoft,
Leicestershire.

LONDON BOROUGH OF WANDSWORTH

Head Groundsman

—King George's Sports Centre

Applications are invited from experienced and qualified groundsman for the post of Head-Groundsman, must be fully conversant with the use of machinery and able to handle labour under incentive bonus conditions, must be able to drive. Preference will be given to the members of the Institute of Groundsmanship.

A working week of 40 hours, 5 day, occasional overtime, rate of pay, G.L.J.C. Group G £27.77 plus 17½% plus C/H rate of £1.40 plus bonus (Average weekly pay £42.50).

Foreman

—Wandsworth Park

Applications are invited from suitably qualified and experienced person for the maintenance of ornamental and recreational facilities, person must be able to control labour under incentive bonus conditions.

A working week of 40 hours, 5 days with occasional overtime, rate of pay G.L.J.C. Group G £27.77 plus bonus (Average weekly pay £29).

Applications in writing stating age, qualification, experience present and past appointments with names and addresses of two referees to whom reference can be made to the Parks Superintendent, Central Depot, 51-55 Garratt Lane, Wandsworth, SW18 4AA. Please quote reference BGG.

FIRST CLASS HEAD GREENKEEPER

Immediate vacancy at busy West London Golf Club.

Rent free house available.

Applicants must have thorough knowledge of modern machinery, handling greens staff etc. Apply to:
SUDBURY GOLF CLUB LTD., Bridge-water Road, Wembley, Middlesex HA0 1AL. Tel: 01-902-3713.

Resident Head Greenkeeper

£2,300

The John Lewis Partnership is to build an 18 hole golfcourse at Cookham, Berkshire.

Work on the course is to start shortly. We would want the greenkeeper as soon as possible so that he can be fully involved throughout. He would eventually be responsible for the maintenance of the course and must have a thorough working knowledge of all that is required to develop and maintain the course to a very high standard.

A modern three-bedroom house adjacent to the proposed course will be provided rent and rates free.

As a member of the John Lewis Partnership, he will be entitled to excellent staff benefits which include :

A profit sharing scheme

Non-contributory pension scheme

Shopping discount in our department stores and Waitrose Supermarkets

4 weeks annual holiday

Please write or telephone for an application form to :

Central Department of Personnel
John Lewis Partnership
Oxford Street
London W1A 1EX
Tel: 01-499 2347



The John Lewis Partnership



Special Occasions

- May 15 East Midland—Spring Tournament — Longcliffe G.C.
 15 Southern — Spring Tournament — Home Park G.C.
 15 Northern — Spring Tournament — Harrogate G.C.
 16 North-West — Spring Tournament, Dean Wood G.C.
- June 5 Southern — Annual General Meeting and 18-Hole Medal Dulwich & Sydenham G.C.
 12 Northern Section — President's Prize.
 13 Midland Section — President's Match v Greenkeepers at Handsworth—4 p.m.
 25 Welsh Section — Annual General Meeting — John Duncan Cup — Southerdown G.C.
- July 3 Southern v Midland Match — Crews Hill G.C.
 15 Midland Summer Tournament 10 a.m.

May

and A.G.M. 4 p.m.
 Habberley G.C.

- Sept. 1 CARL BRETHERTON BOWL—Handsworth.
 6 Southern Buffet/Dance — West Essex G.C.
 11 Welsh Section—President's Shield—Pennard G.C.
 11 Southern Autumn Tournament — Burnham Beeches .
 18 East Midland Autumn Golf Tournament — Chilwell Manor G.C.
 18 Midland Section — Autumn Tournament — Handsworth G.C.
 30 B.G.G.A. 1974 Annual
- Oct. 1/2 Tournament and A.G.M. — Isle of Purbeck G.C. Studland, Swanage, Dorset.
 10 Southern Section—Secretary's Match — Stoke Poges G.C.

Northern Section

Chairman:
 J. SCOTT
 Wetherby G.C.

Hon. Secretary:
 W. HEELLES

Monthly Meetings

A Slide Show of the many visits to the Highlands was put over to the members at the January meeting by Mr. F. G. Smith. If any Members have never been to Scotland, I feel sure that after seeing these slides, they will make the effort. A very big "thank you" for an entertaining evening.

The February meeting was a Lecture and Slide Show on the many different types of machines in the turf culture field. Our thanks are due to Mr. Burt from Sisis Ltd., also our thanks to Mr. Mountain for supplying 'the eats'.

The March Lecture was on the subject of Trees. Once again we were privileged to have the pleasure of listening to Mr. M. J. Galloway from the Economic Forestry Commission.

Forthcoming Event SPRING TOURNAMENT

The Spring Tournament will be held at the Harrogate Golf Club on Wednesday 15th May 1974, by courtesy of the Committee.

President's Prize

The President's Prize will be held on the 12th June 1974.



Northern Section Committee

South Coast Section

Acting Secretary:
N. M. STIMSON
North Wilts. G.C.
Devises.

March Lecture

On Tuesday evening, 5th March 1974, an audience of thirty enjoyed a very interesting lecture by Mr. Ted Riley of Ransomes, on the subject of "Turf Maintenance Machines". Emphasis was placed on the use of aerifiers and verticut machines and the topic was illustrated by slides taken during Mr. Riley's recent visit to America. After question time, all members took advantage of the

opportunity to inspect the many machines on display.

Our very grateful thanks to Mr. Ted Riley for a most successful lecture, and to Mr. Marshall for his invaluable help. We are also indebted to Mr. P. Huxley and staff for the use of their premises at The Dean, New Alresford. We much appreciated the warm welcome we received and the marvellous refreshments which were provided.

Midlands Section

Chairman:
G. HART

Hon. Secretary:
R. GOODWIN
2 Greenkeepers Cottage,
Ashridge G.C.
Ashridge Park,
Berkhamsted, Herts.

Annual Match at Handsworth

The match at Handsworth between the President's team and the Greenkeepers will take place on Thursday evening, 13th June. This match will commence at 4 p.m. and I look forward to seeing a good turn out of Greenkeepers. Please come early so that we can get the game started on time.

A.G.M.

The Annual General Meeting will take place at Habberley Golf Club, Kidderminster on Monday afternoon, 15th July at 4 p.m. The Annual Summer Tournament will take place over 18 holes starting at 10 a.m. The Habberley Golf Club are again kindly giving the Prizes for this event and I would be pleased to receive entries from all members wishing to play in this event by July 3rd.

Annual Dinner

The Annual Dinner took place on Friday evening 15th March at the Park House, Sutton Coldfield and was followed by Dancing to the "Fred Key Trio" until midnight.

Well over 100 attended this function, and we were very pleased to have Mr. Norman Russell preside throughout the evening.

After presenting the Loyal Toast, Mr. Russell extended a warm welcome to all present and wished everyone a pleasant evening. George Hart replied on behalf of the Association, while from the Section, Vic Smith welcomed the visitors and members of the trade. Mr. Mike Edwards, Secretary of the Green Committee at Handsworth Golf Club, replied on behalf of the visitors and paid tribute to Greenkeepers for tending the Course throughout the year.

Mr. Russell thanked the Committee responsible for making the arrangements. We are indebted to the donors of Raffle Prizes, and to all present for the grand support given to the Raffle to raise more than £30.00.

Subscriptions

The Annual Subscriptions are now due for 1974, and should be sent to Mr. Cashmore our Treasurer, at—76, Four Oaks Common Road, Sutton Coldfield, Warwickshire.

There are still a few members who have not yet paid their 1973 subscriptions, and Mr. Cashmore must receive these straight away or the Journal will be cancelled as from now and the unpaid member will not be eligible for any further functions.

New Members

We welcome to the Section, D. Jones, Head Greenkeeper at North Worcestershire Golf Club, C. Gough, Head Greenkeeper at Broadway G.C. who has recently moved from the Welsh Section. D. Hill, Assistant Greenkeeper at Stourbridge Golf Club.

Southern Section

Chairman:
F. W. FORD
(South Herts.)

Hon. Secretary:
F. W. FORD
68 Salcome Gdns.,
Mill Hill, NW7
Tel: 959 2847

March Lecture

Dr. William Meyer, Ph.D in plant pathology and Director of Research in Warrens Turf Nursery, Inc., paid the Section a visit instead of Ben Warren who was unable to travel owing to illness.

Showing a series of projection slides to emphasise various points, he talked about the A34 and A20 Kentucky Blue Grass. Both of these grasses had received top ratings by every University doing turf grass research.

The collection and sale of grass clippings for poultry and livestock feed has been undergoing tests at the California Nursery for about two years, and recent tests have proven that Blue Grass clippings contain more protein content than ALFALFA HAY. Also a chemical known as ZANTHOPHIL is contained in Blue Grass clippings. Zanthophil is in demand as a colouring agent by the poultry industry.

Tests in 1971 and 1972 indicate recovery of about 15 tons per acre, per year. The current market value of dried pelletized clippings is \$ 120.00 per ton.

Question Time revealed that the A34 was first introduced to the U.K. in 1971 and is ideal for Tees. The recommended height of cut is $\frac{3}{4}$ " and Pat Kirkpatrick who has six tees turfed with A34 has promised to give us a progress report.

The Meeting closed with a vote of thanks to Dr. Meyer, also a very satisfactory Benevolent Fund Draw, largely due to the donation of a bottle of Scotch by Barry Huxley. The Lecture was recorded.

Annual Dinner

In good golfing weather 93 played in the afternoon Stapleford on the Old Course at Walton Heath with the following results:—

- 44 pts C. MITCHELL & T. FOSTER (Maidenhead)—£10.00 each.
42 „ R. HARGREAVES & O. BUCKLAND (West Essex)—£7.50 each.
40 „ W. WILKINSON & PARTNER (Old Fold)—£5.00 each.
40 „ R. CLAYDON & PARTNER (Haywards Heath)— $\frac{1}{2}$ Doz. Balls each.

Our congratulations to Fred Dulake on the first-class condition of the Course and our thanks to Phil Marshall and Bernard Diddams for all the work they put in with the cards.

Among the 140 who sat down to an excellent Dinner in the new extension to the dining room, was the Captain of Walton Heath, John Thornhill, who in proposing the Association, welcomed us all to Walton Heath.

The reply for the Association was made by F. W. Ford on behalf of the B.G.G.A. Chairman who was unable to attend, owing to domestic reasons. Stan Morton proposed the toast to the Guests and Mr. Toope of Flackwell Heath replied.

For the splendid meal we have to thank Mr. Jobson, the Steward, and for organising the raffle which followed, Derek Gould, Bernard Diddams and Andrew Kitch.

A.G.M. and 18-Hole Medal

This will take place on Wednesday 5th June at the Dulwich & Sydenham Golf Club, Grange Lane, College Road, SE21—

Programme: 12-2 p.m. Tee Off; 4-6 p.m. High Tea; 6.30 p.m. A.G.M. and Prize Presentation. Closing date 20th May and same

rules apply as for the Spring Tournament.

A reminder that new members may receive H'caps on 36 holes only.

Diamonds

The Diamond Wedding Anniversary of Bill and Mary Mason was celebrated with family and friends on Saturday 9th March at Cheshire Hall, Hendon, NW4. 60 guests were present on this very happy occasion and greetings telegrams were received from Mr. & Mrs. Hawtree, Mr. Dix and the Southern Section.



New Members

A warm welcome to the following new members whose names are listed below:—

J. W. WILSON (St. Augustines) J. SIVESS (Crawley) R. J. HORNEGOLD (Lea Bridge) B. H. MEASUR (Abridge) C. F. G. BORWNING (Downshire) N. GAY (Hugh Page, Sussex Ltd) K. H. AUDSLEY (Hastings) and D. J. KENT (Picketts Lock).

East Midland Section

Chairman:
G. DARBY

Hon. Secretary:
S. FRETTER, Esq.,
4 Queens Drive,
Leicester Forest East,
Leicester.

Film Show

A Film Show given by Ransomes Sims & Jefferies was held at Birstall Golf Club on Tuesday 19th March 1974. There was a very good attendance. The speaker was Mr. K. Riley who gave a very interesting talk with the film show. Our thanks to Ransomes Sims & Jefferies, also to Mr. Lee of Leicester Horticultural for arranging this film show. Also our thanks to the Captain and Committee of Birstall Golf Club for allowing us to hold our meeting there.

Presidents Versus Captains Match

Please do not forget the closing date of 10th June 1974 for all entries for this match.

Subscriptions

All subscriptions for the year commencing 1st May 1974 are now due; it would be appreciated if you would forward these as soon as possible, to avoid unnecessary paper work.

Situations Vacant

EXPERIENCED HEAD GREENKEEPER

required for 18 holes (6,625 Yds) plus 9 holes par 3 Golf Courses forming part of New Luxury Country Club. New centrally heated accommodation available.

ASSISTANT GREENKEEPERS

also required. Must be single. Centrally heated accommodation provided.

All applicants for above positions please write in first instance giving full details of experience and salary required to:—The Administrator, Three Rivers Golf & Country Club Limited, Stow Road, Purleigh, Chelmsford CM3 6RR.

North-West Section

Chairman:
O. P. JONES, Esq.,
Bramhall Golf Club,
Cheshire.

Hon. Secretary:
H. M. WALSH, Esq.,
Horrobin Cottage,
Old Links Golf Club,
Montserrat, Bolton.
Tel: 40050

Spring Tournament

Dean Wood Golf Club, Upholland, Nr. Skelmesdale, Thursday 16th May, 1974.

Lectures

Our sincere thanks to Mr. Fairhurst for the very interesting slides and talk on "Fungi Species" which he gave to a very attentive audience. This completes this winter's series of talks.

New Members

We welcome to the section the following new members:—

- D. Goodridge, Charters Golf Club, Chester.
- H. Smith, Great Lever & Farnworth Golf Club, Bolton.
- B. Buckle, Fairfield Golf & Sailing Club, Audenshaw, Manchester.
- K. P. Whyte, Didsbury Golf Club, Northenden, nr. Manchester.
- A. Higgins, Formby Golf Club, Formby, Lancs.
- N. R. Cheetham, Dunham Forest Golf & Country Club, Altrincham, Cheshire.