

GRASS CUTTING EQUIPMENT

A BUYERS' GUIDE

James B. Beard





NEW

Your greens aren't the only thing that will appreciate the new 2243

Your golfers will love the way it leaves your greens, too. That's because its new offset design leaves less compaction on the playing surface. Which gives your golfers a better shot at improving their game.

To reduce harmful rutting and compaction, John Deere uses a unique offset design that lets you



change the direction of your perimeter cut each day. Giving your greens a well deserved rest. Your golfers a better shot at a birdie.

The 2243 also features a liquid-cooled, 18-hp (13 kW) engine, steerable cutting units, power steering, hydrostatic drive and more.

See your dealer for all the facts on the John Deere 2243.



NOTHING RUNS LIKE A DEERE

GRASS CUTTING EQUIPMENT



If the humorous colour illustration of our supplement cover (so cleverly executed by artist, John Moran) suggests a traffic jam of M25 proportion on his fictitious course, there is no error, either on his part or that of your editor. In discussing the general theme with John I was conscious not only of the time being ripe for such frenzied demonstration activities, but that spring is also a time when traffic jams of an entirely different nature descend in earnest upon the course. I refer, as you've probably guessed, to those visiting societies so beloved by club secretaries and treasurers and so utterly hated and despised by just about every club member.

Perhaps you'll question the logic between my comparisons, but it occurs to me that if a Golf Club is to continue to attract those whose cash it feels necessary for survival, it must make a swift about-turn and look at the state of its golf course, as a priority! The operative words, I repeat, are golf course. So often, when the Club finds itself "in funds", questionable decisions are made to purchase, say, new curtains for the dining room; a re-paint for the clubhouse; a bigger car-park; perhaps even replacing something old but steeped in character with a hideous but modern equivalent. Unless pressed, the needs of the golf course will take a minor role and tired machinery will be pressed into service for yet another agonising season.

Whilst it is probably true that most green committee members have scant knowledge or regard for the real needs of the course – indeed many have wildly misplaced priorities – it is also true that many greenkeepers are disadvantaged when it comes to stating the case for new equipment.

Which is more important, the golf course or the fancy dining room? Which is more readily remembered, the shower room or the golf course? In my experience, the society golfer or occasional visitor will remember the golf course long after those peripheral items are forgotten. If the course is in shabby condition, he will think long and hard before parting again with upwards of £75, the daily package price current at some courses in the south.

My accolades go to the greenkeeper who, more often than not, succeeds in maintaining his course in fine condition despite the poor condition of his machinery, the doubtful state of his irrigation or the pittance he is allowed as budget.

If your Club is one that has spent money in a wise

fashion and in the proper place, as some obviously have, give thanks for their wisdom and continue to reward them with a course to remember. If not, your first step may be to learn a little salesmanship. Get the machinery salesman on your side and ask him for help in preparing a watertight case for new equipment. Together you should outline the advantages at the Club in investing in a particular model. When their thoughts are finally turned to spending money, make your approach one of demonstrating how the purchase will save money – either by speeding up a process or by an improvement in turf quality. It is no bad move to get the green chairman on your side and if you play golf be sure to play a round or two with him. During this more relaxed time you could point out ways of making improvements; explain how modern technology has moved ahead. Once convinced he'll find it easier to convince his committee and show greater empathy with your requests.

If you are fairly sure that funds could be made available for capital expenditure, ask for the opportunity to present your case at committee level. Be properly groomed, dress like a businessman, and have your homework ready. Be prepared to answer questions and have knowledge of alternatives, for without such knowledge it is difficult to mount a counter-attack. Above all, ask the company specialist to prepare a list that provides facts, specifications, performance data and, if possible, recommendations from other users in your area. Getting the go-ahead may take a little time and effort, but with a planned, business-like approach you could soon be in charge of new equipment. Why not give it a try?

To buy and what to buy – that's the question

DAVID WHITE considers the priorities involved when compiling an equipment 'shopping list' and suggests ways to get the people that matter on your side...

Decision-making

You don't need Greenkeeper International to tell you of the bewildering range of equipment, suppliers



The Allett Golf Green Special Mower is basically the Super Shaver, in a special frame to take the True Roll Grooming System.

ALLETT TRUE ROLL GROOMING SYSTEM

For the game of golf to be enjoyed, it is most important for the ball to run true on the green. It cannot do this if the turf is not healthy, free from lateral runners, and precision cut.

The Allett True Roll Grooming System ensures that the ball will run true. The power driven stiff nylon brush, fitted between the front roller and the cutting cylinder, performs three healthy functions. It brushes the turf to keep it healthy, it lifts the lateral runners to enable the cylinder and blade to cut them cleanly, and it brushes the front roller to keep it clean under all conditions.

The rear roller is also fitted with a power driven stiff nylon brush to keep it clean under all conditions. It is the combination of the brushes keeping both rollers clean, the gentle brushing of the turf, keeping it healthy and lifting lateral runners; that makes the Allett True Roll Grooming System superior to all others.

THE NIKKEN MOWER

Dixon and Holliday offer a unique solution to three common problems associated with golf course bunker area maintenance.

— The successful mowing of very steep banks and slopes.

and manufacturers which exist to serve the industry. To save you wading through the brochures, we present an up to date overview of the latest equipment available and the companies to contact to arrange your own demonstrations.

— A flying sand hazard that causes many machinery failures when grass cutting.

— Maintaining a neatly trimmed edge where grass meets sand.

The incredible Nikken knapsack mower/brush cutter is the single answer to these sometimes difficult jobs. Fitted with the exclusive floating hood accessory, this highly flexible machine allows totally unrestricted movement to mow any steep bank or slope. The operator can either stand in a bunker and mow up-hill and/or ark over the grass, or stand at the top and reach down.

Flying sand? No problem with this machine. All sand sensitive engine components are out of harms way on the operators back – and it only weighs 12 pounds. Attach a trimming blade in place of the hood, rotate the handle through 90 degrees and trim edges neatly and quickly. In addition, the same machine can be used as a conventional brush cutter for scrub clearance, hedge trimming, tree pruning up to 4" thick, grass trimming and cultivation.

KUBOTA RIDE-ON MOWERS.

Kubota (UK) Limited offer a range of ride-on mowers to meet commercial needs providing outstanding levels of convenience, versatility and comfort.

— G Series: G1700 and G 1900S.

Developed for the commercial grass market and larger cutting areas, the 15hp Kubota G1700 and the 18hp G 1900S, ride-on mowers are capable of meeting the demands of local authorities, golf courses and estates. These machines are real workhorses and both models have hydrostatic transmissions, cruise control to increase output with less effort, a quick attach mowing deck and a fuel tank that will allow the operator to work all day on a single fill-up.

The G1900S has the added advantage of 4 wheel steer enabling a more efficient cut closer to trees, verges and corners. Side discharge mowers come in 48ins, 54ins, and 60 ins widths and rear discharge mowers are available in 40ins and 48ins. Both models have shaft driven collectors.

— F Series: F 2000 and F2400

Completing Kubota's ride-on mower range is the F

● continued on Page vi

TORO Didn't Just Overpower The Competition, They Outmanoeuvred Them.



There's just nothing to better the performance and manoeuvrability of the TORO GROUNDMASTER 220-D. A power packed out-front rotary mower that effortlessly carries out the most demanding jobs.

Four link power steering is the key to the 220's handling. It's all so easy for the operator to make sharper easier turns with less fatigue.

Groundsmaster 220-D

The benefits of the GROUNDMASTER 220-D is endless ... for example ... unique weight transfer system ... better traction ... better floatation without scalping ... heavy duty carrier frame ... floating cutting decks ... small compact wheelbase ... plus speed and strength with a 20 hp liquid cooled, 3 cylinder diesel engine.



in a class of their own

LELY (UK) LIMITED

Station Road, St Neots, Huntingdon, Cambs PE19 1QH
Tel: 0480 76971 Telex: 32523 Fax: 0480 216167

Please send me full details of the TORO GROUNDMASTER 220-D

Name _____ Address _____ Post Code _____ Tel _____ G1.4.91

New – or reconditioned?



The KUBOTA G1900S 18hp, 4 wheel steer, Diesel ride-on mower.

ing high quality reconditioned golf course machinery. They stock a wide range of machinery including 4WD compact tractors, large tractors up to 50hp, trailed and hydraulic gang mowers, pedestrian greens mowers, greens triple mowers, fairway, rotary and flail mowers and scarifiers. They are willing to supply anything from a single machine to a complete package for a new course and can arrange delivery throughout the country and overseas.

Fast becoming one of their most popular products are greens triple mowers. These are completely stripped and 're-manufactured' with all major parts: engine cylinders, bottom blades, bearings, bushes etc. replaced. These are modestly priced at £5950 plus VAT and are especially popular with new course owners who do not wish to risk using a new machine on newly laid greens. A call to 0532-676000 will bring full details.

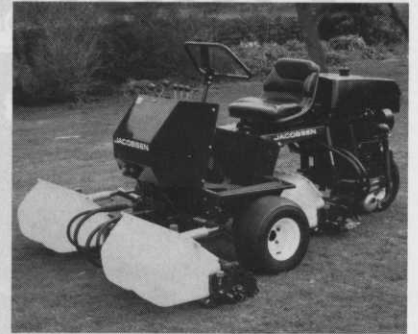
● from Page iv

series, comprising the 18hp, F2000 and the 24hp, F2400 front mowers. Both models have 4WD and hydrostatic suspension. The 4WD provides excellent climbing ability on steep slopes and difficult conditions. The reduced slippage and better floatation over the ground reduce tyre wear and damage to the turf.

The Kubota F2400 offers a wide choice of cutting deck widths with a 60 ins side discharge and either a 60 ins or 72ins discharge – ensuring high performance at all times. For year round usage the F series can be fitted with a flail mower, a rotary brush or a snow blade.

GREENSWARD ENGINEERING COMPANY

Greensward Engineering are somewhat different from other firms in that they specialise in supply-



A Greensward reconditioned triple greens mower.

HIGH QUALITY RECONDITIONED GREENS TRIPLE MOWERS



FROM £5950 +VAT

Professionally reconditioned machinery for professionals!

Phone NOW for full catalogue

Delivery anywhere—U.K. and export!



0532 676000

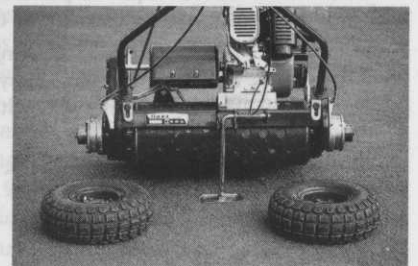
Dialling from abroad +44 532 676000

Wide range of reconditioned machinery in stock:

**TRACTORS
COMPACT TRACTORS
GANG MOWERS
ROTARY MOWERS
FLAIL MOWERS
FAIRWAY MOWERS
TRIPLE MOWERS
CUSHMAN ATTACHMENTS**

SAXON INDUSTRIES

In addition to their standard 22" greens mower, Saxon Industries are introducing a 22" model complete with a groomer reel which is located between the 5" diameter cylinder and the front roller. The rear roller is split for easy turning and a prop stand is easily operated to raise the machine



Saxon 22" greens mower with nine blade 5" cutting cylinder and q/r wheels.

from the ground to enable the quick-release transport wheels to be removed. Retail price for the groomer model is £2700 plus VAT and the standard non-groomer model is £1700 plus VAT. Further information can be obtained from Saxon Industries, Lower Everlands Road, Hungerford, Berks. RG17 ODX

NEW OFFSET MOWER FROM JOHN DEERE

Professional greenkeepers will welcome the addition of the 2243 self-propelled mower to the John Deere Grounds Care range. This is powered by a water-cooled 18hp Kawasaki engine and features three offset cutting units on a direct suspension frame, which can be locked in a mowing height to ensure an even cut of between 2.4 and 19mm (3/32 to 3/4 in).

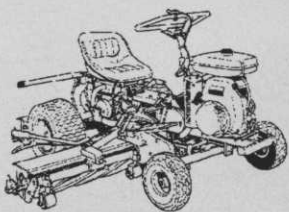
Tracking wear on greens can be reduced by 50% due to the offset design. By changing direction of travel on alternate days the tyres run over different areas of ground during the perimeter cut. This reduces compaction problems due to daily greens mowing and gives the greens twice as much time to recover.

All three cutting units are powered by a single hydraulic pump, with electro-hydraulic lift and mow switches giving precise operator control. A special Greens Tender Conditioner will be available in 1991 which will help to reduce grain and increase green speed. Hydrostatic power steering and comprehensive instrumentation are standard.

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Saxon

Turf Maintenance Equipment

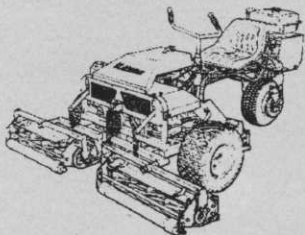


180A Triple Mower

This extremely popular machine is ideal for parks, open playing fields, schools, caravan parks and golf courses where grass requires routine attention.

185 Triple Mower

The Saxon 185 Triple with produce an impeccable finish on the more formal lawn areas.



22" Greens Mower

The 22" Greens Mower has been designed to mow the world's finest greens by the most discerning greenkeepers.

For further details contact:

Saxon Industries, Lower Everlands Road, Hungerford,
Berks RG17 0DX Telephone 0488 682655

AD
REF
313

NIKKEN KNAPSACK BRUSH CUTTER/MOWER

The Nikken fitted with its unique hover hood gives total flexibility and freedom of movement, giving a very neat finish to your bunker slopes and banks.

The operator can either mow from inside the bunker mowing uphill or mow from the top reaching down into the bunker, both achieved with total ease.

Flying sand is no problem with Nikken due to all sensitive components being protected and out of harm's way on operator's back, which only weighs 12lbs.

Edges can be quickly and neatly trimmed by removing the hood, attaching a small 4-tooth blade and finally rotating the handle through 90 degrees.

THREE PROBLEMS WITH ONE SINGLE SOLUTION

■
SUCCESSFUL
MOWING OF
STEEP BANKS &
SLOPES THAT
COVER MOST
BUNKERS

■
NO ENGINE
FAILURE DUE
TO FLYING
SAND THAT
CAUSES MOST
REGULAR
MACHINE
BREAK DOWNS

■
MAINTAINING A
NEATLY
TRIMMED
ADJOINING
EDGE WHERE
GRASS MEETS
SAND



**IT'S A MUST
FOR ANY
GOLF COURSE!**

Send for details now to: **DIXON & HOLLIDAY LTD**
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Tel & Fax (0793) 513214 Sales (0462) 700547

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218

ALLETT MOWERS LTD



A CLOSE SHAVE

If you're looking for a fine cut mower for golf greens, bowling greens or cricket wickets, then you need look no further than the Allett Super Shaver. The Super Shaver can cut to within 1/16" and give a superb finish with 146 cuts per yard. All rollers are ground for absolute precision and the mower is powered by a Robin engine, which runs on lead free petrol.

For further details please contact:

ALLETT MOWERS LTD

UNIT 60, BIRKITT ROAD, EARLSTREES INDUSTRIAL
ESTATE, CORBY, NORTHANTS, NN17 2DT.
TEL: CORBY (0536) 68950. FAX: (0536) 201856.

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T H E N E W G T R A N G E

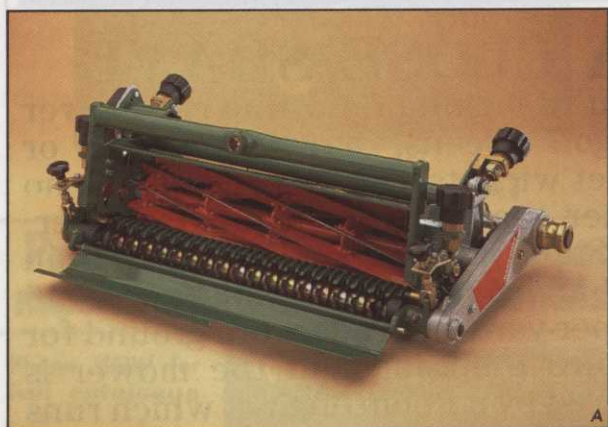
It takes years to perfect the greenkeeper's art.

But you can still pick up a few useful pointers in a week. Particularly if you spend it at the wheel of a new Ransomes GT.

If you'd like to try it, you only have to ask.

Choose the GT Champion, with its second-generation electronics, or the GT Classic, with simple but effective hydraulic controls.

See for yourself the perfectly-groomed finish achieved



A The micro-precision Greens Unit with Verti-Groom attachment.

B The GT Champion's electronic control panel.

C 3-way adjustable seat with flip-up armrests



B

THERE'S NO SHORT CUT TO PERFECT GROOMING



by the 9-blade Greens Units, with their Verti-Groom attachments to control lateral growth and thatch.

And try for size the superb new driver's seat: generously upholstered, fitted with flip-up arm-rests, and adjustable every which way.

For all the details of both machines (and a week's loan of one) simply ring Trevor Knight at

Ransomes, or return the coupon. And see how, just for

once, you can take a short cut to perfection.



Please send me full details of the new Ransomes GT range, and ask my local dealer to contact me to arrange a week's trial without obligation.

Name: _____

Position: _____

Club: _____

Address: _____

GI.4.91

Ransomes Sims & Jefferies Limited
Ransomes Way, Ipswich, England IP3 9QG
Tel: (0473) 270000 Telex: 98174 Fax: (0473) 270032



BY APPOINTMENT
TO HER MAJESTY THE QUEEN
MANUFACTURERS OF
HORTICULTURAL MACHINERY
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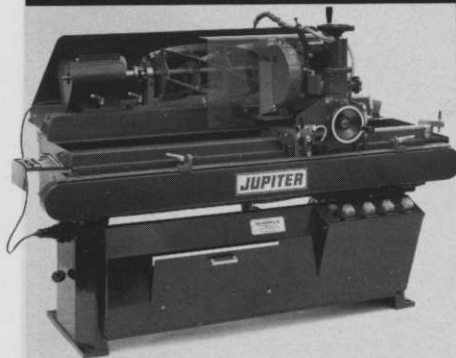


(WELL, ONLY ONE.)

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LET US GIVE YOU THE EDGE THESE CLUBS ALREADY HAVE IT!

- Carnoustie Golf Links
- Cawdor Golf Club
- Collingtree Leisure
- Crompton & Royton Golf Club
- Delapre Golf Complex
- Ely City Golf Club
- Gleneagles Hotel
- Goring & Streetley
- Hags Castle Club
- Kinross (Green Hotel)
- Leek Golf Club
- Lingfield Park
- Massereene Golf Club
- Mere Golf & Country Club
- Muirfield (Gullane) Golf Club
- Ormonde Fields Golf Club
- Ponteland Golf Club
- Royal Ashdown Forest Golf Club
- Royal Dornoch Golf Club
- Royal Liverpool Golf Club
- Rye Golf Club
- Slaley Hall G&C Club
- Washington Moat house
- Whitecraigs Golf Club



42" capacity Mower Cylinder and Bottom Blade Grinding Machine. A truly 'precision' grinder, built to last half a century. Used and preferred by Professionals.

SATISFIED CUSTOMERS

"The Juno is an essential piece of equipment for any golf course workshop." Mr. Alistair Connel, Course Manager, Cawder Golf Club.

"It is the best piece of machinery this course has ever invested in, a fine machine that I would recommend to anyone." Mr. John Bashford, Head Greenkeeper of the Green Hotel Golf Course, The Kinross Estate.

"A quality machine that gives a superb finish to our cylinders, and saves money." Mr. Derek Green, Head Greenkeeper of Royal Liverpool Golf Club.



The NEW JUNO 36" capacity Cylinder and Bottom Blade Grinder will accommodate every make and type of Professional and Domestic cutting cylinders and soleplates. Simple to operate, fast changeover from cylinder to bottom blade grinding.



ERIC HUNTER GRINDERS LTD

HOBSON INDUSTRIAL ESTATE, BURNOPFIELD, NEWCASTLE UPON TYNE, NE16 6EB. TEL: (0207) 70316 FAX: (0207) 70312

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73



Works on banks... makes good profits.

When you're looking for a machine that works as well on slopes as on playing fields, look no further than the Bucher TM. Designed with the agility of a Swiss mountain goat, with four wheel drive and the adaptability to mount machines at the front and back, the TM tractor from Bucher breaks new ground in turfcare, grounds care or even mountain climbing.

No wonder they work on banks so well, and make excellent profits for you.

TM Series Tractors

BUCHER

For further details post the coupon to Bucher Marketing, P.O. Box 344, Malmesbury, Wiltshire SN16 0QD.

✂ Please send me the facts on Bucher TM Tractors.

Name _____

Job Function _____

Address _____

Post Code _____

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223

GL4.91



The John Deere 2243 Professional Greens Mower.

● from Page vi

Twin tanks hold enough fuel for over eight hours of operation and there is simple access for servicing. Price of the 2243 Professional Greens Mower starts at £11,825.

IMPROVED METHODS OF GRINDING CYLINDER MOWER BLADES



The Hunter JUNO Grinder

Until recently controversy has reigned on which way to grind a mower cutting cylinder – to ‘spin’ grind in the traditional method or to ‘relief’ grind – thus introducing new terminology into the mower sharpening language. Hunter Grinders, based in Newcastle On Tyne, seem to have perfected the latter method to a high degree of accuracy, which is rocking established trains of thought and bruising long – held prejudices. From the growing numbers of greenkeepers willing to endorse Hunter’s products and methods it seems the argument is almost won.

‘Relief’ grinding – for the uninitiated – is simply grinding an angle off the back of each blade, thereby cutting down the friction with the bedknife. Clearly the bedknife lasts much longer (treble life, it is claimed) and the resulting lack of friction reduces fuel costs and cutting units tend to run longer between major overhauls. Because the ‘backed-off’ blades cut cleaner – with less heavy metal contact – it is possible to mow grass even in extremely wet conditions without marking, tearing or ribbing. The products capable of grinding to this standard of excellence are Hunter’s JUPITER and JUNO machines, both precision bedknife grinders and cylinder grinders. Modestly priced, they are already installed at a number of leading courses.

NEW LINE-UP OF TORO EQUIPMENT FOR SUNNINGDALE

A new Fairway Aerator, four Greensmaster 1000’s and two Greensmaster 3000 -D’s is the new line-up of TORO equipment delivered to Sunningdale G.C., selected by club secretary Keith Almond and his course manager, following demonstrations by TORO dealer Ian Kerry (Machinery) Ltd.

The two courses at Sunningdale, which cover 400 acres of beautiful Surrey countryside, have been maintained by TORO machines since their UK market intro-

Argument settled on the right way to grind mower cutting cylinder

duction in the 70s.

The delivery of the TORO Fairway Aerator to Sunningdale is the first one to a British Club since TORO introduced it to the UK market last year and has evoked much interest for its speed and quality of performance. “We can cover four fairways a day, including time spent cleaning up”, said acting course manager, Robert Brewer.

Sunningdale is very proud of its quality of greens and the walk-behind Greensmaster 1000, with its lower height which enables a very fine clip and high productivity rate of 225 cuts per yard, will be instrumental in maintaining these very high standards.

Endorsing the new consignment of TORO machinery, Keith Almond said “we have had years of satisfactory performance from TORO machines”, with proof seen in the impressive line-up of red machinery under the huge Oak which is synonymous with Sunningdale.

**Keith Almond,
Robert Brewer and
Ian Little with Sun-
ningdale’s new
Greensmaster 3000**



RANSOMES – THE PROFESSIONALS

Ransomes, the world’s leading manufacturer of grass cutting and turf maintenance equipment, offer greenkeepers a complete range of specialist machines. Greatly admired at the BIGGA Harrogate Show were the GT Champion and GT Classic, two recently launched ride-on machines that have been developed from the widely used GT Greens Triple mower.

Meeting all the requirements of today’s greenkeepers, both of the GT’s have a 1.68 metre (66 ins) working width and are powered by a 12hp Kubota diesel engine, although there is the option of a Vanguard petrol engine for purchasers of the GT Classic.

Rear wheel power means that the GT’s are extremely manoeuvrable, with the up-front driving position offering excellent visibility over the work area.

On the Champion, control of the hydraulically-operated cutting units is by electronic toggle switches. This means the units can be locked in the raised position – in any combination – to allow cutting with one of two units for perimeter work, while cutting performance is given

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Cutting time and hassle



**The Ransomes
GT Champion**

● from Page xi

accurately in cuts per metre or clips per inch by digital read-out.

A choice of cutting heads are available for the GT Champion and Classic, including the 9-knife greens unit with Verti-Groom, the Verticut and 6-knife Tees unit. These can be changed in minutes, without the use of tools.

SUPREME MOWING - THE CUTTING EDGE

Major developments have taken place over the past few years to provide the ultimate in grasscutting, with machines costing tens of thousands of pounds incorporating high-tec hydraulic systems and up-to-the-minute

computerisation. Regardless of machine design, cost or computer aided systems, if the cylinder and blade are not maintained correctly the end result is poor and ineffective.

Supreme Mowing design engineers have taken a serious look at all aspects of cylinder and blade maintenance to determine the ultimate in grinding machines in order to provide total efficiency and accuracy. The most important aspects - accuracy being obvious - was the need to reduce the labour and space elements and the outcome is the "Supreme Leader". This machine allows the operator total freedom once the fully automatic operations are set, and the unique design wheelhead, which is pivot mounted and incorporates two grinding stones, allows both cylinders and bottom blades to be ground with equal precision. There is also the facility to spin or single blade grind in situ - a distinct advantage - particularly in mid-season.

FINE FAIRWAYS - FASTER

The Jacobsen LF100 has set new standards for tournament quality fairway mowing. With its mowing speed in excess of 5 mph and 100 inch (2.54 m.) cutting path, the LF100 produces exceptional results in record time.

The fully floating, steerable, 22 inch, seven blade reels have been specially designed to provide many years of top quality mowing, even under punishing high-production fairway conditions. Backlapping is a standard feature. The outer reels are positioned to the front of the machine, allowing better visibility for the driver and a closer, cleaner mowing line.

Thanks to its wide stance, the LF100 maintains excel-

● continued on Page xiv



The Brouwer turf care team includes a roller, mini turf cutter, five gang fairway mower and a vac.



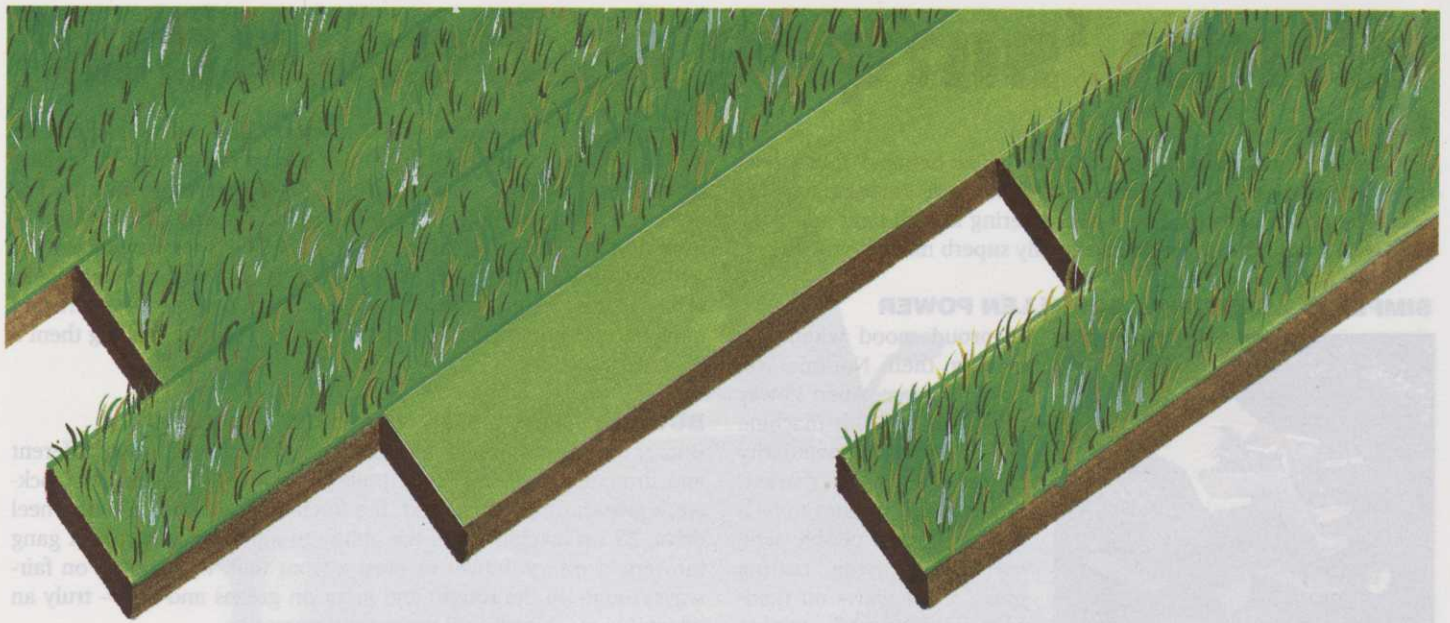
THE TURF CARE TEAM



For sales, service and next day parts delivery

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REF
170



THE LEADERS



STREAKS AHEAD OF THE COMPETITION

The efficiency of today's highly engineered lawn mowers and quality of cut can only be maintained with correct and accurate grinding of their cylinders and blades.

The 'Leader' range of grinders not only achieves this but offers many features unequalled on any other machine, making them the ultimate in lawn mower grinders.

At the heart of a 'Leader' is a solid free standing frame with a cast iron bed and 2" precision ground guide rails that ensures an accuracy of less than 0.005" in 30 inch in straightness, whether grinding insitu or out of frame.

Coupled with this, great emphasis has been placed upon operator safety with a self contained coolant

system, fully enclosed canopy that reduces noise and dust levels to a minimum and safety cut out devices that allow the operator to leave the machine whilst on automatic operation with absolute confidence.

For a demonstration and further details contact:- Linda Bottomley

**S U P R E M E
M O W I N G**

Wet Moor Lane, Wath-Upon-Dearne, Rotherham, S63 7LR. Tel: (0709) 873436 Fax: (0709) 878005

A Ransomes PLC Company

When 'simple is beautiful'

● from Page xii

lent stability on undulating ground and the 'on demand' four wheel drive allows positive hill climbing without turf damaging wheel spin. The power assisted, rear wheel steering is both light and positive, with a tight turning radius for really superb manoeuvrability.

SIMPLE IS BEAUTIFUL, SAY ALLEN POWER



The Allen National 68 Triple Mower

In proud mood when discussing their National 68 Triple Mower, Allen Power suggest it was this machine which started the popularity in the 70" triple market, and that it continues to be a favourite with people who earn their living cutting grass. Their views on fussiness are firm, with opinion on keeping free from complicated hydraulic systems and unnecessary 'tinwork' suggesting that *simple is beautiful* in a mower designed to cut grass - day after day - with minimum downtime. Points of interest include the free floating belt-drive action of the mowing units and its fine performance on banks, the 68 being capable of accessibility in difficult areas where the hand-propelled mower was once the only answer.

ISEKI - ON COURSE FOR BETTER GRASS CUTTING

The Iseki range of compact tractors reign supreme with a wide variety of mowing machinery to match. For the smallest in their tractor range - the TX, from 16-18 hp - there's a choice of rotary, flail or cylinder mowers, available in widths up to 1.5 metres and suitable to tackle a spectrum that spans rough and fairways through to immaculate greens.

For the 15-22 hp range of TU tractors, Iseki offers a choice of rotary or flail mowers, some of which can be mid-mounted, making them ideally suited to multi purpose grass and verge cutting. For fairway gang mowing, the larger TA tractors - from 25 to 48 hp - with shuttle gearbox giving 16 graduated speeds forward or reverse and *true* four wheel drive, give excellent grip when mowing banks or undulating fairways. When it comes to cutting, Iseki tractors and mowing machinery offer adaptability and versatility, making them a true driving force.

BUCHER - THE SWISS NAME FOR PRECISION

Bucher's entry into the grasscutting stakes comes with two different and dramatic machines, both built with Swiss precision for clockwork grasscutting year round. The Bucher TM Multi is a four wheel drive, 33 hp machine with the ability to handle fine cut front gang mowers, a rotary mower or even a front flail. It is superb on fairways; tough on the rough; and great on greens and tees - truly an adaptable machine for all year round operation.

If cutting on steep banks is your problem the Bucher TM 850 is the low profile answer.

RFE TURF MACHINERY LTD

RFE have a new addition to their very successful Ransome Motor 180 diesel engine conversion, which uses a Japanese 'Robin' diesel engine and offers increased reliability, easy starting, fuel economy and lower maintenance costs.

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