Ransomes 18 inch AUTO-CERTES is shown here mowing Lindrick Golf Course, which Max Faulkner described as "the best manicured course I have ever been on." AUTO-CERTES is hand built for the finest cutting of precious turf. Outstanding features are its thin bottom blade, ten-knife cutting cylinder and its removable side-wheels which are used for transporting the machine under its own power from green to green. Ask your Ransomes dealer for a demonstration.
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What new ideas will golf produce in 1962?

In its Christmas Number “Tennis et Golf” devoted a page to a Belgian golfer’s proposal for modifying the game. A 36 in. white plastic ring (hence the name Ring Golf) is placed round the hole and a ball lying on or within the ring is considered holed out. The flag and hole remain unchanged but serve only as markers. If the ball finishes in the ring from an approach shot the player scores a bonus point. No bonus points are given for shots made with the putter. Well . . . .?

Or perhaps Mr. Henry Cotton’s elimination of all rough on his new course at Harlow will catch the general fancy. Whatever your opinion, this is good publicity and many inland courses can do with an original turn of thought. Will this one save upkeep or increase it. Your comments will be welcomed, even on a postcard.

Or will some benefactor institute the National Golf Course with impeccable playing conditions and adequate spectator amenities for food, drink, and watching play? One view is that golf can never be a spectacle on normal lines. Space and movement are too restricted to develop any established golf course for the comfort of more than a very limited number of spectators. Even a new golf course specially designed would be little better. Only a golf stadium will solve the problem. An oval arena some 500 yards long by 150 yards wide will contain 3 greens and nine tees in a triangular layout. Covered space surrounds the arena and the players are undisturbed by gallery, stewards, or the chaps that met them last year at Glen-eagles. With field glasses every shot could be seen, and many without them. The idea could be developed and speeded up by opposing two teams of four players with three pairs putting and driving off and one pair playing the fairway shots in the middle.

From the design point of view, the scheme is ideal. Every kind of shady device could be introduced to make the holes testing since the objective is only to provide a spectacle. When not in use, the arena could be used as a driving range from each end.

Golf would then finally attract the non-players. Vernons and Littlewoods could move in. Bids from Milan would have a wider scope. Mr. Henry Longhurst would no longer have to climb those dangerous looking television towers and the greenkeeper’s job would be neat and uncomplicated.

This was not our idea originally but, in the absence of strong protests we will publish a plan for it soon.

Meanwhile, we hope your New Year will be happy and successful.
MOST of us may prefer not to think about the rough much of the time. It is one of those things one really wants to have nothing to do with.

This does not alter reality, though; and most of us spend a good deal of time getting very closely acquainted with it. I'd go so far as to say that there is no man in Hertfordshire who knows the rough on my home course better than I do. I could tell him about all manner of little rabbit holes and baby holly trees he goes through life happily, oblivious of!

It may be an odd thing to choose to write about for this rather august journal; for, after all, the rough should, and sometimes does, come last in priority in the maintenance of a golf course. But it really can be important, and there are signs that modern trends have again begun to show their thoughtless faces in the treatment of it.

Skirt length.

The classic and hackneyed remark about the length of a woman's skirt (that it should be long enough to cover the subject but short enough to be interesting) just about sums up the job rough has to do on a golf course. From the point of view of the man who watches much good golf all over the country, and out of it, and who plays much bad golf himself, a sort of philosophy of rough forms in the mind.

Its first purpose, of course, is just to be there. It stands, or should stand, as part of the strategy of the hole, consciously in the player's mind as he stands on the tee, or addresses a shot to the green. It should, as a matter of opinion, be thickest near the most foolhardy or greedy line up the hole, and thicker just short of the green than level with or past it. The look of it should therefore proclaim its nature—though there are limits to which this can be managed by anyone but Inscrutable Providence.

Never enough.

Here, of course, we come up against one of the inescapable problems of course maintenance. There are never enough men and enough time to do the job ideally. If there were, rough could be cut regularly, and kept at the length and thickness prescribed by the needs of the individual holes. As it is, the rough will inevitably be cut a bit shorter than ideal when it is cut, and then left until it is a good bit longer than ideal before it is cut again.

Surely, though, it is not inevitable that this necessity of time and labour should be carried as far as it is on many courses; so that the rough is butchered right to ground level, breaking its mat and texture, and then left to grow up spindly and uneven, so that the extent of the penalty for a shot into it varies rapidly from one foot to the next.

Heather country.

This can be particularly deplorable in heather, where too tight cutting can lead to scruffy nasty looking up-growths with something like a spoon-lie in between them. The ideal treatment for heather, where the ground is at all level, is to use an old set of gang mowers, set as high as possible: to produce in time a tight, even mat of heather shoots, into which the ball buries itself effectively.

"There's a lot to be said for ten yards of semi-rough . . . before the real lost-ball country."
enough to demand a recovery shot and no ambitious stuff, but in which the wretched thing can always be found with minimum delay.

Butchery.

Another thing which can ruin a hole is too tight cutting of rough between fairway and the real jungle country. It is fair for a player to expect the penalty for an off-line shot to be graduated according to its sin. If he goes off the fairway and gets into the fair, thick rough, then he has no complaint; but if he goes off the fairway and sees his ball bound right through what was rough, until recent butchery, and end up right in the thick bushes bordering the hole, then he has a grievance. There's a lot to be said for ten yards of semi-rough (but not too butchered down) followed by a bit of thickish rough, before the margin of the real lost-ball country itself. Fairness and just deserts are important.

Opinion can always vary, though, about little scrubby bushes. Some think they belong wherever they grow, and if a man is in the rough at all he should be prepared to take the chance of one. This is rather an alibi than an argument. The point is that rough should give a fairly consistent penalty between one spot and the next; and unless some little new bushes can be easily grown into a largish patch of tough hazard which adds something to the hole, it is much better to cut them out all together within ten yards of the fairway. There are probably few things more spoiling in golf than a drive which bounds only just off the fairway into an unplayable lie in a little bush not more than a foot high.

In general, rough is quicker and easier to deal with where the ground is reasonably level. And in case anyone doesn't yet know it, a machine like the Wolseley Swipe can be invaluable for knocking off anthills, levelling ridges and ruts and clearing unwanted bushes and small trees. Where it has gone before, the old gang mowers can easily follow up.

Rough, in sum, should offer a lie you deserve to get, not one which is merely, as your opponent hypocritically observes: "Rough luck, old man".

Next Month: Why is a Weed?

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THE Americans, according to a report, are proposing to change that Rule of Golf which they introduced on 1st January, 1938, and which the R. and A., after an initial setback, brought into operation 16 months later.

The rule is the one limiting to 14 the number of clubs which a player may select before setting out on a round. There are refinements of the rule covering replacement of a club or clubs broken during the course of play (which have caused some grievous headaches in the past), but in general there has been universal acceptance of the limitation, and nothing in the record books suggests that standards have suffered because players are not allowed to carry a club for every shot they might be called upon to play.

Now the Americans are said to want an increase to 16, and, I suppose, if the Russians played golf, this would be the first step in an arms race and before long there would be something like an auction, ending in no limitation at all.

Large Profit.

It is small wonder that a Glasgow businessman told me the other evening that he was going to buy shares in an American company that is soon to start manufacturing golf clubs in Scotland. Only the manufacturers would profit from a lifting of the limit—and how they would profit, too. None of us is so good a putter as readily to resist the temptation to carry another implement against those days when the ball will not go into the hole.

Today, under the 14-club rule, a spare putter is a luxury, if not indeed a snare and delusion. But a spare driver, or an extra wedge, or a No. 5 wood (which has the approval of no less an expert than Bobby Locke), or a special chipper—any golfer of ambition could easily add at least two clubs to his kit in the fond hope that in so doing he might subtract as many strokes from his score.

Alas, as the poet said, regardless of their doom the little victims play.

It is odd that the Americans should want to raise the limit because when they introduced the 14-club rule more than 20 years ago one of their arguments was that “the limitation of clubs would tend to restore the making of individual shots and increase the skill of the player. The multiplicity of clubs tends towards mechanisation of the game. In earlier days players used to change their swing in order to execute the various types of shots. In recent years the tendency has been merely to take a different club.”

Professionals’ Part.

Perhaps the new generation of legislators takes a less austere view; perhaps the professionals in America, acting at the behest of the manufacturers who subsidise them, are now too powerful and persuasive. I, for one, would deplore any extension of the limit. I would not go so far as to insist on a return to the older custom when seven clubs were held to be sufficient and only the top professionals thought it necessary to carry more.

Vardon in his heyday carried only nine, and he was not a bad player. His nine, for those with a historical bent, were—driver, brassie, driving mashie, driving cleek, light cleek, iron, mashie, niblick, and putter. The driving mashie was similar to a modern No. 2 iron with perhaps a deeper face, the two cleeks corresponded, very roughly, to the modern No. 3 iron, and the iron was a short-shafted, fairly heavy club not unlike a modern No. 4 iron. The equivalents are very rough, but there was nothing rough about the way Vardon and the other old masters handled clubs that a modern professional would be hard put to wield with equal effect.

On the other hand, at the time the Americans gave a lead in limiting the ironmongery humped around by groaning caddies, it was not uncommon for the leading Americans, both professionals and amateurs, to have at their disposal upwards of 20 clubs. When Lawson Little won the Amateur Championship at Prestwick in 1934 his caddie staggered under a load of 22 clubs. He had some half-dozen pitching clubs, a veritable

(continued on foot of page 9.)
The New Dunham Forest Golf Course
Cheshire

A Fine View of the 2nd Green

This new 9 hole course in Cheshire was planned by us and constructed in nine months under our direction. Sown throughout with Special Mixtures of Carters Tested Grass Seeds, the course was officially opened for play on the 4th June, 1961. Many golfers from other Clubs attending the opening Ceremony, commented upon the excellence of the course.

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HON. SECRETARY’S NOTES

After visiting the Sheffield Section to hear Mr. Hawtree’s lecture on golf course design at the end of November, I travelled down to Bristol with him in December to hear a repeat performance for the South Western Section. A. A. Cockfield, the Section’s Hon. Secretary had brought along a strong contingent from his club at Sham Castle, and as usual question time was a lively feature of the entertainment. I hope to get along to the Southern Section lecture on 31st January, and possibly to another Section this winter, if I can get a lift in the right direction at the right time.

F. G. Hawtree Memorial Fund & The Tournament

The Spring course at the S.T.R.I. is already booked but I am hoping that it will be possible to include one more greenkeeper. Two places in the Autumn course are already reserved and I shall be inviting applications later.

It looks as if the popularity of these courses will require booking as far ahead as does August accommodation for the Tournament which will take place this year on the 13th, 14th and 15th August. Prospective competitors should be thinking about this. I hope we shall have an even bigger attendance this year.

A Happy New Year to you all,

C. H. Dix.

DO WE CARRY TOO MANY CLUBS—OR TOO FEW?—cont.

battery with which, truth compels me to admit, he peppered the green with deadly accuracy. But he would have been equally effective, I am persuaded, with only half as many. And who is to say that Vardon would have won more than his six Open Championships if he had carried 18 clubs instead of nine?

Clubs Used.

Let me suggest for those who may seek to anticipate the day when the 14-club limit may be raised a simple exercise in recollection. After your next round of golf make a count of the clubs you used. And count, too, the number of times you felt at a loss for a club. If your experience is anything like mine you will have to admit that you did not use more than three-quarters of your clubs and that you would not have trimmed your score by a single stroke if you had had an extra club to play with.

Most people have the standard set of clubs—four woods, nine irons—from 2 to 9 and the wedge—and a putter. How often, I wonder, do you use your No. 2 iron? And if you do use it how often do you play a satisfactory shot? For that matter, how many of our professionals will back themselves to hit and hold a green with a No. 2 iron? Precious few of them, for the bigger the iron the less assured are they, and the majority of golfers, of hitting an adequate shot.

No doubt the power of the modern professionals and the excellence of modern equipment combine to give them few opportunities of playing very long second shots. They are wonders with the medium and short irons, but notably weaker vessels when they have to use the big stick through the green. Why then should we handicap golfers think that we can rifle long iron shots to the heart of a green?

Perhaps these rather sour reflections are the best kind of argument for carrying the No. 5 wood, and we might have to be very strong-minded to jettison the No. 2 iron in its favour. I prefer to think that the Royal and Ancient, despite its known passion for solidarity with our American cousins, will cry “Hold, enough”, and not tamper with at least one rule that has done no harm to golf and golfers.

With grateful acknowledgments to “The Glasgow Herald” and the Editor of the “Evening Times”.

9
Thinking about the turf?

Problems? Suttons will know the answer... and they operate a special advisory service to give those responsible for sportsgrounds the benefit of their knowledge of turf and grasses. Some good advice now... buy your grass seeds, fertiliser, weedkiller and turf dressings from Suttons, and be sure of service backed by understanding.

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EACH proposal for a new university is a dagger pointing at the heart of the golf clubs. And well they know it, those shrewd, jolly men from the banks and the insurance offices. They are accustomed to look death in the face—nothing yellow about any of them when they fought the Hun—and they won’t go down now without a fight. But what can they do against those smart fellows at the U.G.C.? The plan to take away their golf course, hatched with some bounder from the county council, is bound to go through in the end. Look at the way, they tell themselves glumly, poor old Norwich was sold down the river. The very idea of destroying a golf course to put up a university! And so they drink up, and try that dicey short hole by the stream once more, and do it in bogey, only to be bunkered at the long fourteenth by the water-tank.

It is tragic, of course, to think of the golf clubs being closed down all over the country. But nothing—not even the cultural traditions of the golf club—must be allowed to stand in the way of our university expansion programme. Those green, smiling oases, which the golf clubs nobly preserved from speculative builders, must now play a still more vital role in our economy. Picture the pile-driver on that elevated third tee, from where a full shot with a brassie could break a window in the club house. Bulldozers will lumber along the fairways, and excavators devour the greens. It is sad, and yet exhilarating. In a couple of years a senior common room will stand on the site of the club house. Then it will be port, instead of gin and tonic, that circulates round the table. And instead of the artless conversation of golfers you will hear the marvellous erudition of dons.

“You can expel nature with a pitchfork, but it will always return.” Horace may be right. Will the ghosts of departed golfers still walk the long fairways and stand reverently by the greens? Will Dog Leg Hall (as the first new hall of residence will be called) echo to the eerie cry of “Fore”? The dons, at any rate, will exult in the creation of a new sort of Redbrick. Instead of gowns, the academic body will wear Fair Isle sweaters. Spiked shoes will be compulsory at lectures. And after raising £5m. by public subscription, the new university will build a brand-new golf course on its site.


NEW THREAT TO GOLF COURSE

FINANCIAL considerations, plus the shortage of building land, may lead to a critical examination of the need for Brighton to have three golf courses.

Some members of the town council are awaiting with interest the final figures for the year of takings and expenditure at the three courses—Hollingbury, Waterhall and The Dyke. Because they are so obviously in the “green belt”, Waterhall and The Dyke are not likely to be threatened. But Hollingbury’s days could be numbered.

Some of the councillors feel that the southern part of the course will eventually have to go for housing, and that the northern section would then have to become an extension of Moulsecoomb Wild Park.

Such a park would serve an area which has rapidly increased in population since the war, with the building of new estates and the planning of further development if Hollingbury ceases to be a golf course.

In the year ended 31st March, the last for which detailed figures are yet available, Hollingbury golf course cost £7,278 and brought in only £2,794.

For Waterhall the figures were £4,038 and £2,529, and for The Dyke they were £7,564 and £3,926.

These figures show an “in the red” result of £9,531 for the three courses; or almost £2 spent for every £1 of receipts.

Miniature golf seems to be a much more paying proposition from the ratepayers’ point of view.

The course at Roedean brought in £7,688 for an expenditure of £4,451, and at Rottingdean the receipts were £5,841 and expenditure £3,146.

Even putting greens showed a slight profit in the last financial year—£2,940 in green fees against an expenditure of £2,915.

With acknowledgments to the “Brighton Argus”, 19th December.
OUR NOVEMBER LECTURE was held on Tuesday, 7th November, at the White Swan, Leeds. Twenty-eight members, a quite encouraging number, attended to hear Mr. J. R. Escritt, M.Sc., of the S.T.R.I., give a talk on “This Year’s Turf Problems”. Mr. Escritt dealt with the problems which he and other members of the Research Station's Advisory Staff seem to have encountered most in their travels to various parts of the country. First was the weather, which had been so unsettled that such operations as selective weedkilling had not been able to be carried out. Secondly, the great amount of mat that was being found on turf, this leading to shallow root growth. Thirdly, the neglect in the use of compost. Following the talk there were many questions put to the speaker, which he ably dealt with.

A vote of thanks to Mr. Escritt was proposed by Mr. G. Mason, Chairman, seconded by Mr. W. Mountain, President.

January Lecture.

This will take place on Tuesday, 23rd January, at the Market Tavern, Godwin Street, Bradford, at 7-15 p.m., and will take the form of a film show and talk to be given by Mr. G. Vaughan, of Messrs. Ransomes, Sims & Jeffreys Ltd.

New Member.

We welcome to the Section the following new member: Mr. P. Bullock, 16 Montgomery Gardens, Intake, Doncaster. (Bessacarr Golf Club, Doncaster).

Grand National Sweep.

Members of the Section will shortly be receiving books of tickets for this Sweepstake. As any profit from this event helps a great deal to keep the Section’s finances on an even keel, your Committee look for your support in making it a success.

NORTH-WEST

Chairman
O. P. Jones
(Bramhall G.C.)

TWO MEMBERS ATTENDED THE Lecture given by Mr. Joss of the Sports Turf Research Institute on 23rd November. The subject was, “Some Aspects of Construction” which was very instructive and enjoyed by all present.

New Member.

We welcome the following new Hon. Associate Member: Mr. Watson, Chairman of the Greens Committee, Birkdale Golf Club, Birkdale, Lancs.

SHEFFIELD

Chairman
G. HERRINGTON
(Lindrick)

IT WAS VERY PLEASING TO SEE such a splendid attendance at the lecture given by our Hon. Editor, F. W. Hawtree. About sixty members and guests from local Golf Clubs enjoyed a very interesting show of coloured slides taken on golf courses in this country and on the continent, and very instructive and entertaining they proved to be.

After a short interval, Mr. Hawtree gave a talk and answered questions put to him by members and guests on a wide variety of subjects. Interest shown was really good and our President, Mr. A. Shardlow had to halt the proceedings at 10-20 p.m., when Mr. Bernard Elliot of the Sheffield Union of Golf Clubs, thanked Mr. Hawtree on behalf of all present for a very enjoyable evening.

We were very pleased to have with us for the first time, the Association's Hon. Secretary, Mr. C. H. Dix, who travelled up for the evening with Mr. Hawtree.

New Members.

We welcome to the Section Mr. J. J. Dearlove, of 63 Langsett Avenue, Sheffield 6, who has taken over the post of Head Greenkeeper at Hillsborough Golf Club, also Mr. F. Crookes, 12 Cheetams Avenue, Unstone Green, nr. Chesterfield, who is assistant at Dore and Totley Golf Club, and lastly, Mr. W. Williamson, of West End Hotel, who is assistant at Pheonix Golf Club.
JANUARY
11th  East Midlands Section, N.A.G. Lecture, Blue Boar, Southgate Street, Leicester.
17th  East Midlands Section, N.A.G. Lecture, News House, St. James Street, Nottingham, 7-30 p.m.
23rd  Northern Section Lecture, Market Tavern, Godwin Street, Bradford, 7-15 p.m.
25th  East Midlands Section, N.A.G. Lecture, Blue Boar, Southgate Street, Leicester.
31st  Southern Section Lecture, Stirling Castle, 6-30 p.m.

MARCH
8th   East Midlands Section, N.A.G. Film Show, Blue Boar, Southgate Street, Leicester.
9th   Southern Section, Annual Dinner, Talbot Restaurant.
22nd  East Midlands Section, N.A.G. Lecture, Blue Boar, Southgate Street, Leicester.

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R. C. CRAIG & CO. LTD.,
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OUR ANNUAL DINNER WAS HELD at the King’s Head Hotel, Bearwood, on the 10th November, when we had a record number of ninety-seven sit down to a very appetizing meal consisting of soup, turkey, potatoes, sprouts, peas, Christmas pudding, cheese and biscuits, and coffee.

Apologies were received from Messrs. T. R. Groom, J. W. R. Robinson, L. C. Foster, J. P. Richards, J. Conlon, L. Wheeler and E. W. Fiddian. We were very pleased to have with us our President, and Mrs. Bretherton, Mr. Jock Glass, Association Chairman, our Editor, Mr. F. W. Hawtree and Mr. C. H. Dix, Association Secretary and Treasurer. We also had a good number of Vice-Presidents and the representatives of the Trade gave us great support.

Our President called upon Jock Glass to propose the Toast of the Association, which he did most admirably, and his remarks as to the supply of qualified greenkeepers in the years to come, should give the officials of the golf clubs quite a lot to think about. Charlie Stowe proposed the Toast of the Ladies and Guests, saying how pleased he was to see so many ladies present, and he sympathised with the greenkeeper’s wives. He said his wife was a golf widow, but he did not know what the greenkeepers’ wives called themselves. Our Editor responded, and was soon in great form. In spite of his belittlement of himself as an Editor, he is always ready to have a go, and I think everyone would agree he makes a success of it.

The concert was a great success in spite of artistes having to compete with the patrons of the bar, but as long as everyone enjoyed themselves in their own way, that is all that matters.

Our Section Chairman, George Hart, thanked our President for all the many ways in which he helps us, and he great interest he shows in our Association, and asked Mrs. Bretherton to accept a bouquet to show our respect for the great interest she also has for the Association. This was presented by Miss Donna Benbow.

Our Chairman also said how pleased he was on behalf of our Section to ask Ernie Benbow to accept a watch to show our appreciation of the great job he has done during the last fifteen years as our Treasurer. In his reply Ben said he thought it was time a younger man took over.

Our thanks are again due to Mrs. Mason and her helpers for the magnificent result they achieved with the raffle, which helps considerably in meeting expenses. I should like to express my personal thanks to everyone who was present, for the magnificent way in which they supported my efforts.
By W. Mason
Chairman: Hon. Secretary:
J. K. Glass
18 Albert Road, Hendon, N.W.4.
Tel.: SUNnyhill 0245

A VERY INTERESTING LECTURE was given by Mr. Barlow of Messrs. F. W. Berk, on Wednesday, 29th November. The main subject was the control of earth worms and although the attendance was not up to the usual number, many questions were asked about the new worm killer. I would like to record a vote of thanks to Messrs. Berk & Co., and to Mr. Barlow for his most instructive and interesting talk, and his detailed answers to all questions, also for distribution of pamphlets.

Lecture.
Our January lecture will take place on Wednesday, 31st January, at the Stirling Castle at 6-30 p.m. The speaker will be Mr. Rixon of Messrs. Suttons who will talk on "Turf Research" and will illustrate with slides.

Section Annual Dinner.
Please note in your diaries that arrangements have been made to hold our Section Dinner on Friday, 9th March at the Talbot Restaurant.

Change of Address.
Mr. E. C. Gowing has taken up a new appointment at Eaton Golf Club. We wish him every success in his new post. Address: 68 Melrose Road, Eaton, Norwich.

Condolence.
On behalf of the members of the Southern Section, may I extend our sincere sympathy to Mr. C. A. Moore, on the death of his father last November. Mr. Moore writes that his father was with the West Middlesex Golf Club from 1905 until he retired in 1946, with the exception of the war years, 1914-18.

MISCELLANEOUS

PROFESSIONALS AND GREENKEEPERS having stocks of used golf balls contact Sparkbrook Golf Ball Co., 295 Highgate Road, Stoney Lane, Birmingham, with a view to filling export orders.

The Editor,
Dear Sir,

Would you please express my grateful thanks to the B.G.G.A. for assisting me through the F. G. Hawtree Memorial Fund to attend the recent Autumn Course held at the Sports Turf Research Institute.

I found the course most instructive, and interesting, and it will undoubtedly be of great benefit to me.

Yours faithfully,
(Sgd.) P. G. Moore.
THE "COMB-IT" GRASS COMB

Messrs. A. J. Whitfield have published details of their new grass comb for use with ATCO, Ransomes, and Suffolk mowers. The comb is fitted between the front rollers and cutters of the lawn mowers. A disadvantage of the front roller is that it tends to flatten the grass in front of the cutting cylinder. The grass comb overcomes this advantage by combing the grass up behind the front rollers.

The grass comb is held in contact with the turf by spring pressure which can be varied to give a light combing for close cutting or a scarifying action to loosen the dead growth, which is then picked up by the cutters and thrown in the grass box.

The regular use of the grass comb lessens clover and moss, increases the tilling action of the grass, and promotes dense turf of even texture.

The fitting of the grass comb to the mower is simplicity itself—the comb can be attached and detached in SECONDS—no nuts or bolts—it is held in position by spring tension, and has proved itself a thoroughly strong and worthwhile piece of turf management equipment.

Consider the time and cost of hand raking and hand collection of dead material from greens and lawns. The comb will do the work of four men in quarter of the time, and leave the lawn or green free of dead material—everything the comb takes from the green or lawn is thrown into the grass box.

THE SCOTTISH GOLF GREENKEEPERS' ASSOCIATION

THE FOLLOWING LECTURES HAVE been arranged: Mr. J. D. Joss of the S.T.R.I., will talk to the West Section on 16th January, the North and Midland Section on the 17th January, and the East Section on the 18th January. Mr. Beveridge, of Messrs. Ransomes, Sims & Jefferyes will talk to the West Section on 13th February, the North and Midland Section on the 14th February, and the East Section on the 15th February.

Venues for these lectures are as follows: West Section, Christian Institute, Bothwell Street, Glasgow; North and Midland Section, Nicol & Smiberts, Nethergate, Dundee and East Section, Free Gardeners Institute, Picardy Place, Edinburgh. March—All Sections to arrange open meetings.

Ian Fraser, Secretary.

North & Midland Section.

OUR ANNUAL GENERAL MEETING was held at Nicol & Smiberts, Nethergate, Dundee, on 7th November, 1961. The following Office Bearers were elected. President: G. M. McDonald, Vice-President: W. Falconer; Committee Members: J. Leith, A. Duncan, S. Gray, S. Christie, W. Ritchie (Montrose); Secretary and Treasurer: W. Ritchie (Kirriemuir); Auditors: Messrs. W. Falconer and J. Ross.

Lecture.

Our first winter lecture by an officer of the S.T.R.I., will be held in Nicol & Smiberts, Dundee, on 17th January, at 7-0 p.m.

W. Ritchie,
Secretary.
SURVEY OF RANSOMES MOWERS FOR 1962.

The basic price of many of the Lawnmowers manufactured by Ransomes, Sims & Jefferies Ltd. remain the same as 1961, although retail prices are slightly higher owing to the recent purchase tax adjustments.

One notable exception is the 2-stroke version of the popular 14 in. "Sprite" which has been reduced to £32 9s. 9d. This mower is also available with an electric motor (£40 1s. 7d.) or as the recently introduced 4-stroke machine (£36 8s. 8d.). The 4-stroke model is powered by a B.S.A. sidevalve unit which has been specially developed for the Sprite.

Domestic rotary mowers are becoming increasingly popular, and Ransomes' 18 in. "Typhoon" has been in heavy demand since its introduction last year. This mower will clear thick long grass and weeds with ease, yet impart a good finish to finer areas of grass, making it an ideal general purpose machine. The Typhoon can be supplied with 2-stroke (£21 15s. Od. tax free) or 4-stroke power (£26 15s. Od. tax free), the latter model being fitted with an oil bath air cleaner as standard.

Two Controls.
The 18 in. "Mercury" has gained the respect of thousands of "owner-users" as a mower with a really first-class performance at a reasonable cost. This light mower is powered by a 1 h.p. 4-stroke engine and has only two controls—a throttle and landroll clutch—which give perfect handling when mowing those awkward corners. The price of this machine complete with grassbox and concave is £57 13s. 9d. An electric powered version of this mower is available at the same price.

Another quality machine, styled similarly to the Mercury, is the "Marquis", which is used extensively by professionals in the upkeep of ornamental lawns. This machine is offered with a choice of 18 in. or 20 in. width of cut and is designed for areas of 3,000 sq. yds. Price of the 18 in. model is £75 6s. 0d. and that of the 20 in. £90 9s. 7d.

Outriggers.
The "Mastiff" heavy duty mower, now offered with a choice of 30 in. or 36 in. cutting cylinders, is a sturdy and compact machine with a performance unequalled in its class. Two outrigger units can be attached to the operator's trailing seat to increase cutting widths; a reverse gear is fitted as standard and a self-emptying grassbox operated from the handles of the machine can be supplied. This type of grassbox, when used in conjunction with the reverse gear, saves a great deal of valuable time when frequent emptying is required. Price of the basic machine with normal grassbox is £331 10s. 8d. for the 30 in. machine, and £362 4s. 8d. for the 36 in. model.

These are but a few of the machines included in Ransomes extensive range; further details, price lists and illustrated brochures can be obtained on application to the manufacturers at Orwell Works, Ipswich.
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