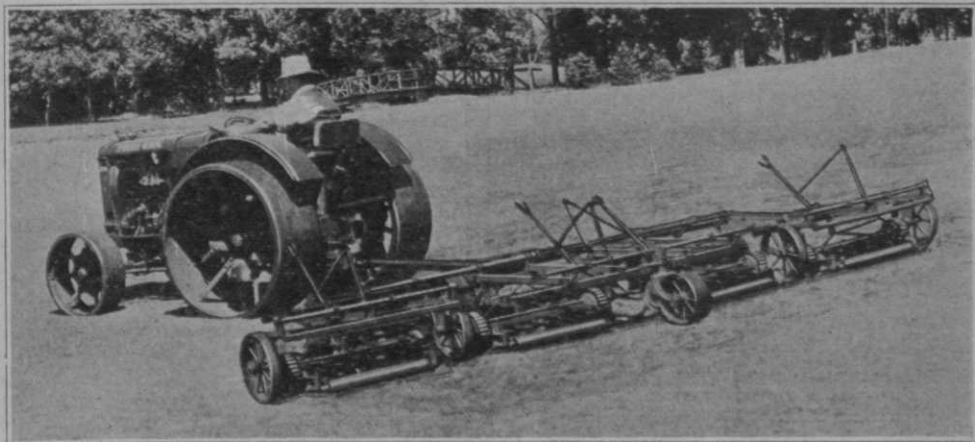


# CLEANER CUTTING at LOWER COST—*that's the BULLDOG!*



## ● NO OTHER MOWER OFFERS THIS:

The Ideal Bulldog does a cleaner cutting job over any kind of fairway, because:—  
The Famous 7-blade Bulldog cutting units are close coupled, reaching into small hollows, and riding smoothly over ridges. The frame is flexible, so that every cutting unit is independent, to conform perfectly to rounded surfaces, sloping, or rough ground.

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## REDUCE COSTS ON YOUR GREENS CUTTING

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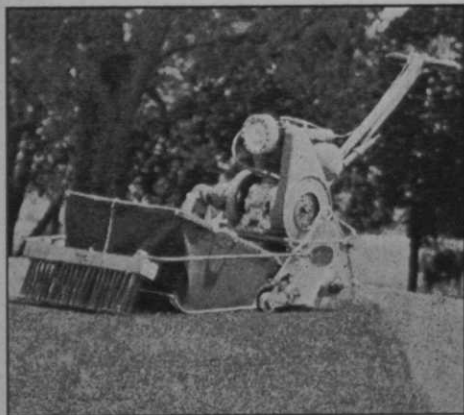
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This equipment cuts and conditions greens in half the time and at a fraction of the cost of other methods. The steel brush picks up bent for a close clip—brushes in compost—and aerates the soil as a prevention against Brown Patch. This work is done at the same time greens are being cut—all in one operation.

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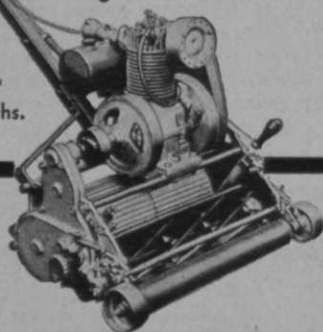
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Putting Green MOWER

19" and 24"  
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# Now!

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The total investment  
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Time-tested—Does better work—  
Costs no more to operate.

Clubs actually interested may have  
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**HAWTHORNE VALLEY  
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## Eliminate Clover and Stop Brown Patch— USE TONAGREN

Why worry about clover and brown patch on your greens when TONAGREN will banish these two evils easily and effectively. TONAGREN is a scientific, double-acting preparation that is now being used by many of America's finest golf clubs. If you are bothered with clover and brown patch TONAGREN will help you make your greens a real beauty spot.

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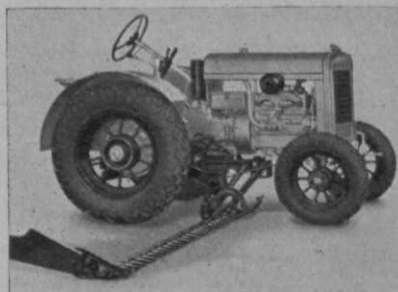


## PLENTY OF *Power at Low Cost*

★ The Silver King Tractor has everything. Low first cost, low maintenance cost, low gasoline and oil consumption, high speed and great power.

It comes equipped with either low pressure tires or wide, roller type wheels. It pulls a 5-gang unit practically anywhere, a 7-gang unit on the straight-away.

It is compact, light weight, flexible. Four speed transmission. Speeds from  $2\frac{1}{4}$  to 25 miles per hour. Investigate it. Illustrated bulletins and prices upon request.



★ Power Mower attachment operates from driver's seat. Cutter bar 6 ft. long. Splendid for mowing the rough.

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Most clubs know the vital importance of adequate watering for improving and protecting their turf.

Few, it seems, know what a modern fairway watering system costs—they are guessing, and guessing altogether too high.

Today fairway watering costs are down. Let us give you accurate installation and operating cost information gained from experience with hundreds of installations.

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Illustrating Buckner's "Curtain of Water"

**S  
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- Your investment in turf from disastrous results of drouth.
- Your membership roster from migrating to neighboring watered courses.
- The costs of experimenting with unproved equipment and faulty installation. Let the other fellow do the experimenting.

Ask your local **BUCKNER** dealer or  
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It takes thick, vigorous turf to withstand the misplaced drives of enthusiastic golfers. Appreciating this, wise golf course officials are switching to **SCOTT'S** weed-free SEED. It reduces maintenance cost. Write Scott your requirements. They would like to figure with you.

Send for a copy of **GOLF TURF**.

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Complete  
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CHICAGO

# Par...

# ...the new BALL WASHER

**ten strokes  
ahead of  
competition!**

Here—in the PAR BALL WASHER—is the most spectacular development in the history of golf course equipment . . . a ball washer that in performance, appearance, sanitation and lower upkeep cost, completely solves a heretofore perplexing problem.

The PAR BALL WASHER—the result of many years of experiment and research—incorporates a newer, better principle of ball cleaning—a rotary motion of sponge rubber surfaces that really makes a ball CLEAN—without the usual trouble of splashing water, wet hands, and a partially clean ball (which must be cleaned mainly on the towel). The PAR BALL WASHER delivers a clean ball . . . almost dry.

Yet the first cost of the PAR BALL WASHER is practically the same as competitive washers—and its cost per year is considerably less.

Greenskeepers throughout the country are enthusiastic about the PAR BALL WASHER . . . you'll be, too.

**\$7** EACH, in lots up to 10; in lots of  
11 or more, \$6.50 Each.  
Mounting posts - - - \$1.50 each

**BILL LIVIE GOLF CO.,**  
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- Most sanitary washer on the market.
- Upkeep savings on labor, care, towels.
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# Moto-Mower

**FOR 17 YEARS**  
THE PREFERENCE OF USERS  
OF POWER LAWN MOWERS

Light, sturdy and simple to operate. Clutch engaged or disengaged by raising or lowering handle bar; clutch permanently engaged or disengaged by clutch control lever, also automatically controlled speed of engine when turning. Weight is so perfectly distributed that the ground pressure on greens is no greater than a golfer's foot.

Transport cart with pneumatic tires at slight additional cost.

**GREENSKEEPERS are enthusiastic over the MOTO-MOWER GREENSKEEPER**

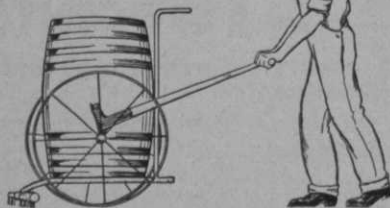


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**TEST OF TIME  
PROVES  
ITS LEADERSHIP**

Write for descriptive literature on the Greenskeeper and all other Moto-Mower models.

**THE MOTO-MOWER CO.** 4601 WOODWARD AVE. DETROIT, MICHIGAN

**Eradicates worms — fights brown patch**



DIWORMA quickly brings worms to the surface of the soil where they die. Rake them up and the nuisance is ended. Just sprinkle! Powerful chemical goes a long way—economical. Fights brown patch, too. Prevents it. Retards it if already started. Write for complete details—no obligation.

Dolge makes a complete line of maintenance materials. Write for new manual—it's free!

**THE C. B. DOLGE CO.**  
WESTPORT, CONNECTICUT

**5 Colors Now Ready on Lewis Washer in addition to white**

Lewis leads again! Of course you may still prefer white but for an additional charge of 25c—turquoise, orange, lawn green, red or jade green are available—They don't show dirt and are attractive looking.

**"Standard Thruout the World"**

There are more Lewis Washers in use than all other makes combined. Specify Lewis Washers, Bag Racks and other tee equipment—NOW!

Lewis Washers (White) I to 10	\$6.00
Lewis Washers (White) 11 or more	\$5.50
Complete tee ensemble (White) washer, stake, waste container, data plate, towel and ring	\$10.50

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Dept. GD335      Watertown, Wis.

**LEWIS**  
GOLF BALL WASHER



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Chicago office  
in the capitol of  
midwestern golf*

*The*

# LYTTON BUILDING

. . . is the center of golf in the great Chicago area. Through its entrance — 14 east Jackson boulevard — more professionals pass than through any other building in the country. It's the heart of the golf wholesale shopping and pro service district.

Office space in the Lytton building is light and handily arranged. Prices for space are moderate, even though the Lytton building's construction, service and maintenance are unsurpassed in all of Chicago.

As one of your first steps in getting set for 1935's great revival in the golf business, investigate the many attractions the Lytton building offers as the location for your Chicago office.

Let us tell you, in detail, what this famous sports center can do for you.

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# The New Heddon

## "Custom Drawn"

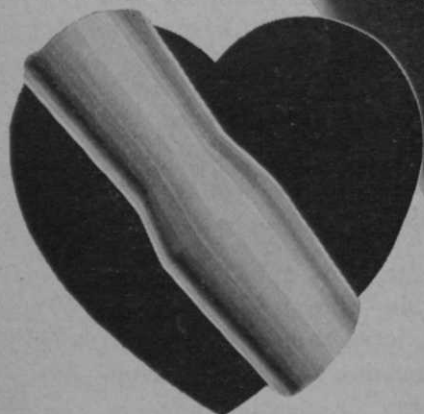
### STEEL GOLF SHAFT

This new type of Steel Shaft has an action that is entirely new, also the "sweet feel" desired by all golfers. It is really a "double action" shaft—two shafts in one—with additional power derived from this new "repeat-taper" feature. This gives a marked whip at or near the club-head, and a lesser whip near the hands, and more closely duplicating the "feel" of fine hickory.

Sold only in the highest grade Clubs—  
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Featured in  
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#### The DOUBLE-WHIP SHOULDER



*The Shaft is the Heart of the Club—  
the Double-whip Shoulder, the Heart of the Shaft*

*Send for Descriptive Circular*

**JAMES HEDDON'S SONS**

Steel Golf Shaft Division

DOWAGIAC . . . . . MICHIGAN

If you don't see what you need advertised in GOLFDOM, write us



300 GREENSMEN SEE 1935

## BETTER

BY  
JOE GRAFFIS

**A**LMOST 300 greenkeepers, registering about 60-40 from the United States and from Canada, checked in at the National Association of Greenkeepers of American convention at Royal York Hotel, Toronto, Feb. 5 and 7. The convention attendance and sprightly interest was a surprise to those who had figured that the financial plight of the greenkeepers and the holding of the convention in Canada would keep American attendance down to a number that could be comfortably accommodated in the equipment shed of the Weeping Willow, Ind. nine hole club.

The exhibitors didn't do much business but they got some close-ups on definite signs of a revival in course equipment and supply business.

Fred Burkhardt of Westwood CC, Cleveland was elected president of the association for the coming year. Burkhardt is a veteran official of the national body and for a number of years was head of its convention committee which put on some great exhibitions. Elected with Burkhardt was another veteran, John Anderson of Crestmont CC, West Orange, N. J. who was made vice-president, and the able and active young A. L. Brandon of St. Charles (Ill.) CC who was continued as sec.-treas. Frank Ermer, Ridgewood CC, Cleveland, O., was re-elected chairman of the show committee.

Directors elected were: John Quail, Highland CC, Pittsburgh, Pa.; J. A. Gormley, Wolfert's Roost CC, Albany, N. Y.; John Gray, Essex G&CC, Sandwich, Ont.; R. E. Farmer, Brynwood CC., Mil-

waukee, Wis. and James Thomson, Cincinnati (O.) CC. Prof. Dickinson of Mass. State college and Wm. Fownes, jr., the former USGA official of Oakmont were elected honorary members. A radio announcer also was elected an honorary member. This was a polite though surprising gesture to those who can think of scores of earnest, diligent and talented men in university and other research staffs and golf club and association officials who are continuously and valuably contributing to the advancement of greenkeeping and greenkeepers.

John MacGregor, former president of the association was presented with a testimonial of appreciation for his services.

### Select Cleveland for 1936

Cleveland was selected as the place of the 1936 convention. No date was set.

A plan for extending the membership through the adding of various classes of non-voting memberships was proposed at the convention. No action was taken on this proposal which involves a voting Class A membership of greenkeepers, greenkeeper-pros and greenkeeper managers at annual dues of \$6; Class B of assistants who have served for 3 years under a Class A member and pay \$3 annual dues; Class C of green-chairmen and others interested in turf culture who will pay \$10 annual dues; and Class D of unemployed men eligible for Class A who will pay \$3 annual dues.

Those who showed up at the convention were pretty well battle-scarred from their jobs of trying to keep courses in de luxe

condition on a dwarf budget, prayer, sweating days and sleepless nights. Most of them agreed that Allah had been merciful to let them get through. The year 1934 they believed generally, was about the last year in which they could be expected to perform as miracle men in course maintenance. They reckoned the reason most of them got by on their budgets was because the brown-patch and insect pest problems had been lightened by the services primarily organized and extended by the Green Section and which penetrated extensively due to the growth and activity of sectional greenkeepers associations. As a fairly general thing the summer was rather easy with golf course diseases and insect plagues, although drier than the Sahara in most localities.

### Fear Green Section Slump

The boys are beginning to get scared at the curtailment of Green Section work and fear that if an easy summer is followed by a tough one in 1935, in the ordinary cycle of things, it will be just too bad on the golfers and their clubs that must depend on the scientific work the Green Section does in association with the practical greenkeepers.

As was proper the program dealt with the "higher education" phases of the greenkeeping profession but with strictly practical applications. Addresses given at the convention appear either in high spot briefs or in comprehensive scope in this and the April issues of GOLFDOM.

As an indication of the development in scientific greenkeeping you can take the interest accorded the address on "Limitation in the Use and Interpretation of Chemical Tests on Golf Course Soils" given by Prof. G. H. Ruhnke.

Jack Gormley of Wolfert's Roost GC, Albany, N. Y. in his talk on "Organized Cooperation" brought out the angle that these convention technical addresses were of just such value as the greenkeepers could determine from the application of the scientists' dope in actual course work plus the greenkeepers' comparison of notes on the actual field work. Jack, a hard-bitten and successful veteran stressed the point that the greenkeepers not only have to think but have to think together if they are to get definite and extensive practical value from addresses like those made by Profs. Ruhnke, Caesar, Noer and other scientists and practical experts who spoke. Gormley strongly asserted that

the National association did not, and could not, exist to dictate policies of sectional organizations, but as a general headquarters allying and coordinating all sections in their respective and common efforts.

Gormley is to have charge of a membership campaign which the association will conduct this year.

### Caesar Talks on Insect Control

"The Control of Insects Attacking Turf Grasses" was the address of Prof. L. Caesar of the Ontario Agricultural college, who took up in turn the various importantly destructive insects of golf greens and told of the usual control methods for combating them. These pests included earthworms, cutworms, grasshoppers, sod webworms, white grubs, Japanese beetles and ants. In conclusion, the professor said:

There is no doubt in my mind that arsenate of lead is much less injurious than corrosive sublimate to the parts of the plant above ground. It seldom causes any burning of leaves and therefore there is not nearly the same risk in applying it as a spray if one prefers to do this instead of broadcasting it as a dust. Which is preferable, broadcasting or spraying, should be decided by whether you want the material to remain on the leaves and stems or not. If you do want it on them, as for cutworms and to some extent for webworms, spraying would seem the better method. No washing down would be required in that case. If you want the poison to go to the ground and none of it to remain on the foliage because the insects to be combated feed below the surface, the best method is to broadcast it. This can be done uniformly only if the poison is first diluted with a suitable amount of soil or fertilizer. It must then be well watered into the soil.

The effect of arsenate of lead upon the soil and the vigor of the grass has perhaps not yet been fully investigated. It is known that annual bluegrass does not thrive in its presence, but the bents and other valuable grasses seem, after seven or eight years of successive treatments, not to have been injured in any way. Many claim that they are even invigorated. Professor White states that arsenate of lead has no injurious effect upon the nitrifying organisms, and actually seems to help them in their work. However there are reports from a few places of its having had some devitalizing effect upon turf. Some claim that the soil is too acid where this is so.

The address by W. H. Wright, chief seed analyst of Ottawa, was full of sound