The New Silver Flash is America's Finest Hand Lawn Mower

The Toro Silver Flash 30 is submitted as the final answer to the persistent demand for a thoroughly high grade mower for general purposes - a mower that will "stand the gaff" of hard, every-day use where dependability and endurance are required in combination with lightness and easy running.

Long, graceful lines are built into the mower and nothing of the short, "bobbed off" characteristics are retained. Large 10" drive wheels are located inside the frame and ahead of the reel bearings, so that the wheel track is in the closest possible position to the cut and the minimum of grass is laid down by the passage of the mower. The frames are rigidly tied together into structural unit which is independent of the cutting elements.

The drive is by live axle (%) with independent ratchet dogs, actuating a train of spur gears with steep intermediate gear on roller bearings. This combination gives the largest possible diameter of reel pinion, with accompanying low gear tooth pressure and light running. A special easy rolling gear tooth profile is used, accurately cut and generated by the most highly developed type of gear cutting machines.

All gears are tightly enclosed in a machine fitted case, and operate in a bath of semi-fluid transmission grease. This tight case insures a long-lived mechanism, requiring only infrequent attention to lubrication; and it also completely excludes the grass clippings and abrasive dirt, which clog the mechanism and produce wear and hard running in ordinary mowers.

A great advance in the art of lawn-mower construction is incorporated in this unit assembly of the cutting elements, and the means of suspending the assembly in the frame. The cutting elements, consisting of the reel and bed knife, with bed bar, are united into an independent unit, including the self-aligning ball bearings for the reel, and the bed bar adjustment. This unit cutting assembly may be independently sharpened and adjusted for the finest cutting, and when slipped into the frame, is pivoted on the reel bearing centers and located by lugs on the bed bar without being rigidly attached to the frame. The cutting qualities of the mower are entirely independent of the frame structure.

No amount of straining, due to handling the mower in rough places, tipping on terraces, or other cutting conditions, can either upset the cutting adjustment, or temporarily strain the knives out of the correct cutting relation. The result is a clean cutting mower under all conditions.

All cutting blades are made from the most refined alloy blade steel, of special hardening properties, which is both exceedingly tough and possesses special resistance to wear and abrasion, without losing its sharp cutting edge. The 17" bed knife is of the well-known wide type Toro section, semi-flexible with raised cutting lip, and will not develop hard spots or wear "wavy" unless grossly misadjusted. The knife mounting is smooth on the bottom and pitched to give the easiest operation and to permit close cutting. The 6" reel is rigidly constructed with double riveted end spiders, and blades pitched to give a sharp cutting edge rather than a blunt edge which readily becomes dulled.

The following combinations of reel blades are available for different purposes.

4-Bar Reel, for rough cutting, trimming, and general purposes where smoothness is not important.

6-Bar Reel, for general purposes where reasonably smooth cutting is desired.

8-Bar Reel, for close cutting as creeping bent, and fine lawns approaching putting green conditions.

All Silver Flash-30 mowers are 17" cut and provided with grass catcher hooks.

Write for 1930 catalog of Toro equipment.

TORO MANUFACTURING CO.
3042-3110 Snelling Ave., Minneapolis, Minn.
Service Stations in all the larger distribution centers.
ANNOUNCING A NEW SERIES
By Edward B. Dearie, Jr. ........................................ 4

COLONEL MORLEY—OUR NEW PRESIDENT .................. 5

HIGH SPOTS OF THE CONVENTION ........................ 9

FUNCTIONS OF THE THREE PLANT FOOD ELEMENTS
By A. E. Grantham ........................................ 11

GREENKEEPING PROBLEMS IN CANADA
By W. J. Sansom ........................................ 19

$250.00 IN CASH PRIZES FOR BEST CONVENTION STORIES ........................................................................... 24

JOHN QUAILL SAYS: ........................................ 25

SHORT COURSE FOR GREENKEEPERS
By H. Hankinson ........................................ 28

REGISTRATION LIST—LOUISVILLE CONVENTION
Compiled by the N. A. G. A. Show Committee .......... 32

OFFICE DESK
Tournament Schedule
Sargent discusses Greens ........................................ 38

MARKET PLACE AND BUYERS’ GUIDE
New Catalogs .................................................. 46

A LIVE WIRE
By Robert E. Power ........................................ 50

CONTENTS

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Announcing A New Series—

Golf Course Construction from the Greenkeeper's Standpoint

By EDWARD B. DEARIE, Jr.
Noted Chicago Greenkeeper and Golf Course Architect

How often have you heard it said, of new golf courses, —"If the course architect and constructor had been a greenkeeper and knew what it meant to grow good turf and maintain it economically, we would have a better course and saved thousands of dollars."

All of which is true.

But how seldom do we find an efficient combination of greenkeeper and architect? They're scarce as hen's teeth.

"Eddie" Dearie of Chicago is one of those phenoms. He has been for several years greenkeeper of the Ridge-moor Golf Club, Chicago, and has been active in a supervising capacity on course maintenance at several other clubs in the Chicago District. He made a splendid reputation and now is engaged in building two new Chicago courses.

Beginning with the April issue Mr. Dearie will start his series on course construction telling in plain unadorned English what to do and how to do it in the most economical and efficient way. This series will save golf organizations hundreds of thousands of dollars now wasted or worse—thrown away.

Table of Contents

Selecting the Site
Designing the Course Moulding the Links
Drainage Irrigation Preparing the Seed Bed
Landscaping Care of a New Course

Begins in the April Issue—Don't Miss It!

PAGE FOUR
Colonel Morley---Our New President

Veteran Youngstown greenkeeper elected to head fast-growing organization which he formed in 1926. Enthusiasm marks fourth annual Convention at Louisville.

Colonel John Morley of Youngstown, Ohio, was elected president of the National Association of Greenkeepers of America at the annual convention of the association in Louisville, Kentucky, February 7. He succeeds Mr. John Morley, greenkeeper of the Youngstown Country Club who had served the association for three consecutive terms.

This unusual metamorphosis took place through official proclamation of Governor Flem D. Sampson of Kentucky who commissioned Mr. John Morley an aide-de-camp on the Governor's staff with the rank of Colonel—thus automatically changing an able, peace-loving greenkeeper into a khaki-clad disciple of war.

Such are the vagaries of life.

Needless to say the 4th Annual Convention and Golf Show of the Greenkeepers Association at Louisville, February 4-7 was full of thrills. The Golf Show under the able handling of Fred A. Burkhardt of Cleveland and his official Show committee, broke all records for size, quality and amount of business done. The exhibits were splendidly arranged on the spacious main floor of the Jefferson County Armory and included everything necessary (and some things perhaps not so necessary) for the proper maintenance of golf courses. It was a real feast for greenkeepers and others interested who came from all parts of the United States and Canada to see the latest and best of everything on the market.

Vieing with the Golf show in interest and popularity were the Educational conferences held on three afternoons of the week. These conferences consisted of lectures on golf course construction, maintenance and turf culture by nationally-known authorities followed by open forum discussion of each subject.

All of these addresses will be published in full in this and succeeding issues of the National Greenkeeper.

The Convention of the Association, restricted to members only, was held Friday morning and brought a much larger attendance than in former years. After calling the meeting to order President Morley turned the chair over to John Pirie who has so ably conducted the meetings for the past three years. Mr. Morley then read his report in which was incorporated a beautifully worded tribute to the late John McNamara, former treasurer and honored member of the association. During the reading of the eulogy, all those present stood in reverent attitude in memory of their beloved...
An Early Forenoon Glimpse of the Louisville Golf Show
Here is the New Executive Committee

Seated, left to right,  
George Davies,  
John Morley  
John MacGregor  
W. J. Sansom  
Standing,  
Robert J. Hayes  
Lewis M. Evans  
John Quaill  
Fred Burkhardt

THE TWO NEW MEMBERS THIS YEAR ARE BOB HAYES AND FRED BURKHARDT

Colonel Morley—Our New President  
(Continued from page 5)

brother member. The president's report was received with applause and was ordered accepted as read.

Each committee chairman submitted his report and all were accepted and placed on file. The report of the committee on Permanent Organization was then submitted with a recommendation that the Executive Committee be increased to eight members which was done. Upon motion the secretary was instructed to cast the ballot for all the officers as named by this Committee which motion was carried unanimously.

At this point a recess was declared and the chairman presented on behalf of the members to President Morley and Fred Burkhardt, each a watch, chain and knife. After hearty applause, both offered short addresses of thanks and gratitude.

Finally the fireworks of the meeting were set off when Chairman Robert J. Hayes of New

Note: The entire conference program was published in last month's issue of the NATIONAL GREENKEEPER. If anyone did not get a copy we will gladly mail one free of charge.
The Annual Banquet Was the Best Ever Held

At the left of President Morley at the speakers' table stands Mr. Joe Dickson, President of the Cherokee Golf Club who, in behalf of Governor Sampson, presented the Colonel's commission to the popular N. A. G. A. leader.
York, was called on for the report of the committee on Meeting Place for next year’s convention. Several cities were suggested and the oratory reached great heights. It finally narrowed down to Columbus, Ohio, and New York City and President Morely suggested that a secret ballot be taken. After much discussion it was decided to follow the president’s wishes.

The ballot was taken and the judges reported that 85 votes had been cast for Columbus and 59 votes for New York City. It was then announced that the next Annual Convention would be held in Columbus, Ohio, at a time and place to be announced later. The New York delegation offered to make the vote unanimous and made a motion that their votes be counted for Columbus.

The Chairman called for open discussion on any matter properly laid before the meeting and several suggestions were made for the good of the association after which the meeting was adjourned in harmony and good order.

High Spots of the Convention

Kenneth E. Goit, Toro sales manager, expressed the sentiment of all the exhibitors when he stated that the Louisville Show was the best ever held from a business standpoint. There are already reservations coming in for next year’s Show at Columbus.

“Charlie” Erickson of Minneapolis and Joe Valentine of Philadelphia who built miniature putting greens on the floor of the Golf Show in competition for the $100.00 cash prize offered by the Show Committee, drew a tie vote and the money was divided between them. Both greens were splendid examples of contour and trapping and occasioned much favorable comment.

Professor Lawrence S. Dickinson of the Massachusetts Agricultural College, Amherst, Mass., was elected an Honorary member of the National Association of Greenkeepers of America at the annual meeting of the members, Friday morning of Convention week at Louisville. Professor Dickinson has charge of the winter course in

To grow thick and vigorous turf, use V-C Fairway, the fertilizer for golf courses. Clean, inoffensive, unobjectionable in every way—a rich food for grass, easy and inexpensive to apply.

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VIRGINIA-CAROLINA CHEMICAL CORP.

LAWN AND GARDEN DEPT.
Richmond, Virginia

Prof. L. S. DICKINSON

Greenkeeper at M. A. C. and for two years past has been one of the principal speakers at the Educational Conference which is the chief feature of the annual greenkeepers’ convention.

Joe Mayo, famous greenkeeper of Pebble Beach course, Del Monte, California where the National Amateur Championship was played last summer, led a delegation of California greenkeepers to Louisville to attend the Annual Convention and Golf Show. Mayo opened the eyes of the Eastern greenkeepers when he told them what the California clubs spent on golf course maintenance and especially the cost of maintaining complete watering systems for the entire course. The largest item is the cost of water itself which is very expensive in California.

Robert J. Hayes of Pelham Country Club, Pelham, New York led a splendid delegation of greenkeepers from the Metropolitan and New England districts and put up a determined fight for New York as the location of next year’s Convention. Although defeated by a narrow margin in the final vote the New Yorkers made an impressive showing and will surely be a big factor in next year’s meeting at Columbus.

President John Morley and Chairman Fred A. Burkhardt of the Show Committee, were each presented with handsome golf watches by the greenkeepers assembled at

(Continued on page 50)
NOW, GENTLEMEN, THIS IS A CACTUS, AND HARDLY SUITABLE FOR CORRECT PUTTING GREENS!

GREENKEEPERS, IN ANNUAL POW-WOW, AMAZE LOUISVILLE!

A NEW EPIDEMIC—PING PONG!

MARY K. BROWNE IS REINSTATED

DENNY SHUTE—THE SPHINX OF GOLF

WESTWOOD WANTS TO LAND THE NATIONAL AMATEUR.