

Many Golfers report

“Substantial gains in distance”

**First season of Bristol Torsion
Steel Shafts brings enthusiastic
endorsements from players**

EVIDENCE piles up. Now it can be told. Last season many golfers tried out clubs with Bristol Torsion Steel Shafts. Everyone heard from reports immediate gains in distance.

The reason is obvious. Torsion adds more whip and punch to the club, puts an extra kick into every shot. This is *one* fact on which golfers (those who've tried these shafts) all seem to agree.

Try out one Bristol Torsion-shafted club. Equally effective on woods and irons. Test it on the fairway. Note the *feel* as you hit the ball. And see what happens on your shots.

Bristol does *not* make clubs. Bristol makes only the shafts. They can be obtained on clubs of leading makes. McGregor, Spalding, Wilson - Western, Hillerich and Bradsby, Kroydon, Vulcan, Great Lakes, Butchart-Nicholls and others.

The results achieved by players who have tried clubs with Torsion steel shafts are causing many others to consider replacing old clubs with new sets, shafted with these new shafts. Why not investigate?

A postcard from you brings you a free copy of The Bristolite, our absorbing publication, packed with golf news and gossip and the complete story of Bristol Torsion Steel Shafts. The Horton Manufacturing Co., 182 Horton Street, Bristol, Connecticut.

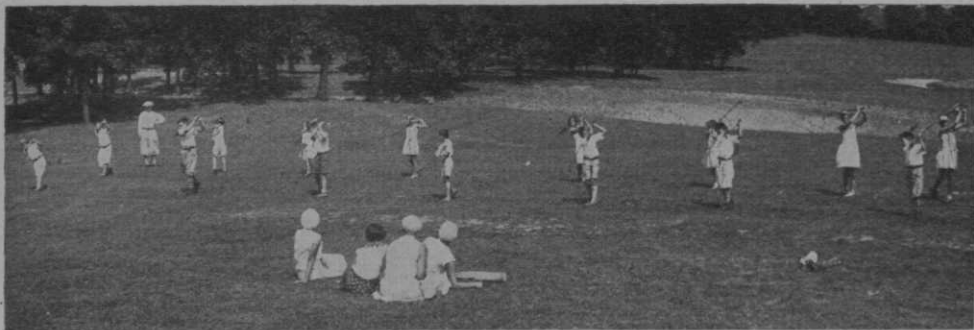
It is not a Bristol Torsion Steel Shaft if you don't see this trademark and the open torsion seam that runs the length of the shaft. Its double steel walls give it greater strength.



TORSION SEAM

DOUBLE STEEL WALLS





This is only half of one of Arnold's classes at Kildeer. Note the group of mothers watching their youngsters.

ranging for these classes Manager Trudeau was kept informed of all developments and he set forth a children's luncheon on the class days. The youngsters all sit at one long table and get an excellent luncheon at half the price the adults are charged.

From 30 to 50 youngsters attend the classes and the events have proved so popular that George has run them over past the vacation period; the classes latterly being run for an hour every Saturday morning. A series of eight lessons constitute the year's course.

The photographer who took the class pictures shown with this yarn arrived a few minutes after the conclusion of the class period. Some of the youngsters already had hiked to the course to play with their mothers and others were seriously engaged in practicing. The kids who appear in the accompanying picture represent less than half of the class. A gallery of fond mammas was in attendance watching the progeny go through the infantile antics that were interpreted by parental eyes as the early indications of future Jones and Colletts. And if you have any faint idea that the astute Arnold doesn't encourage this gallery you may dismiss that misapprehension at once. George wants the fathers and mothers to come out and the boy is a wonder at giving these class lessons so the parents are bound to notice that each child gets an even break on instruction.

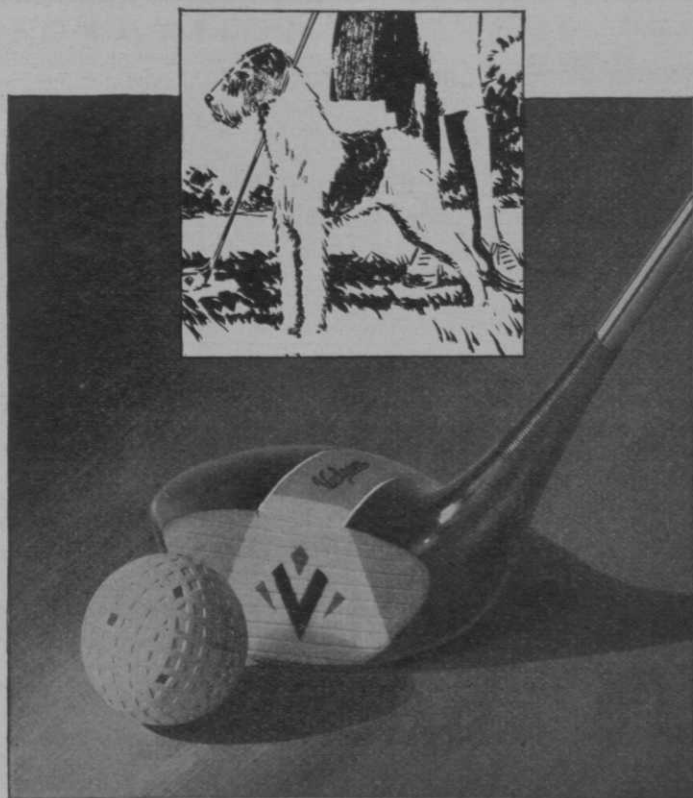
On Strict Schedule.

One of the most important things about a children's class, in Arnold's opinion, is keeping it strictly on schedule time. When you have worked up interest in the affair you can't disappoint the kids. The

day GOLFDOM'S representative was out on the story Arnold was just about able to stand after the instruction session. He had been laid up with intestinal influenza for three days and had been ordered to stay in bed by the attending physician, but he struggled through patiently rather than let the lessons skip a week. The members knew this and the advertising it gave the conscientious professional certainly did him no harm.

George has made no obvious effort to get these classes on a definite money-making basis. So far as club sales to youngsters is concerned he had done very little. The kids came armed with a weird assortment of weapons. Some of the parents' old clubs were cut down without any thought of balance or fitness, but they served to get the youngsters started swinging.

The big response that Arnold gets from the children's classes is a lot more lessons and shop business from the parents. It is amazing to see some of these tots casually clout a golf ball after a few lessons. The parents, witnessing these exhibitions, get quite clearly the idea that there is something to golf instruction. They sign up for lessons themselves. Then, too, they want to show Arnold some appreciation of the interest he is taking in their youngsters, so he cashes in on their loyal shop patronage. Can you imagine anyone so tight they would have their kids get free lessons from the club pro and then go around and buy their golf goods elsewhere? It would be rather a distasteful job to identify anyone that lacking in simple decency and certainly nothing to the credit of one who would be guilty.



Made to order

FOR PRO SHOP SALES

WHEN you examine VULCAN'S new Woods and Irons this year, you're going to see many of your own ideas about club-making well carried out. You'll think some of the models have been made to order for you. You'll know that our stylists and model-makers understand what you want and have turned out for you the kind of clubs that will make your Pro shop pay.

You fellows don't judge a golf club by its picture. You want to see and handle each club to make your selection. That's why we keep our salesman near you all the time—ready on a moment's notice to drop in and lay out the complete line for your inspection. Drop us a note and we'll have him come right over.

VULCAN GOLF COMPANY, 9 Second Street, Portsmouth, Ohio, U. S. A.



VULCAN

Clubs of Character for Every Golfer



Through error, this photo was inserted in last month's issue as a view taken on the Wilshire course, Los Angeles. In reality, it is the twelfth green at Sea Island, looking back toward the tee, during a recent tournament.

Summer at Sea Island Is Busy Time of Year

By HUGH C. MOORE
Pro-Greenkeeper, Sea Island G. C.

THE past summer has been unusual because of one of the most severe droughts the south has experienced in

many years. I was very fortunate in being able to water my tees and fairways as well as the greens. I have nine sea-



On the right, Sea Island's ninth tee; on the left, the pump house which supplies the course watering system.

... INFORMATION FOR THE "PRO" ...

WHY **TRUE TEMPER** SHAFTS Have Great STRENGTH

THE superior strength of the "True Temper" steel shaft is one reason for its popularity with Pro and player.

This superior strength means less annoying breakage and fewer "comebacks"—less time spent in satisfying disgruntled players. Your own experience and that of thousands of other pros will prove this statement.

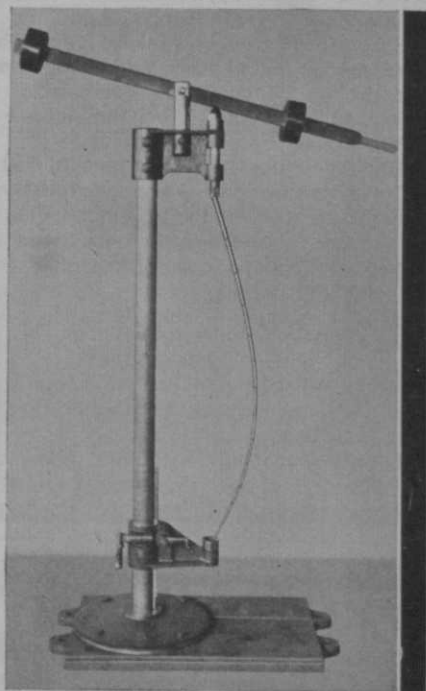
This superior strength is due to several causes. First "True Temper" is the only golf shaft made from a seamless tube of high carbon alloy steel. This is the same steel specified by the U. S. Government for use in airplane struts—where only the best will do. Second, the method of shaping this tube by a series of successive "steps"—each step forms a brace or arch in the wall of the shaft. We all know that the arch is the strongest form of construction. Third, the five heat treating operations given each "True Temper" shaft in place of the usual two. Fourth, the strenuous tests and five inspections through which each shaft must pass. 25 separate and distinct operations are necessary in the production of each "True Temper" shaft.

The next advertisement in this series will explain another outstanding advantage of the "True Temper" shaft.

THE AMERICAN FORK & HOE CO.

Sporting Goods Division

General Offices: KEITH BUILDING, CLEVELAND, OHIO



The Deflection Test

One of many factory tests given each "True Temper" shaft. All "True Temper" shafts for woods are tested in this machine and must take a severe shock. "True Temper" shafts for irons, where the most important point for strength is about 3" from the tip, are tested by bending over a block at this vital point.

TRUE TEMPER
STEP DOWN
STEEL SHAFTS

serpent sprinklers for the fairways. These I have worked overtime and saved my tees and fairways as well as some of the rough. I have two men that water the greens all night. I find it too hot to water through the day. My greens have been top-dressed thinly every two weeks, and given a light application of sulphate of ammonia every thirty days. In the early spring I used cottonseed meal which gave me a quick start and fine results. For the tees I use 12-6-6 commercial fertilizer and also use it on the approaches to the greens.

For my winter greens I put in redtop, and use Italian rye for the approaches and around the sides of the greens. I also use Italian rye for the tees. I have found that redtop gives me a green for winter equal to some of the bent greens of the north. This past summer it stayed with me until around the first of July.

Experimenting With Bent

At the present time I am experimenting with some bent grass for it is my belief that it is only a matter of a short time before we will find a bent grass that will stand the heat of the south and give us a much

better putting surface than Bermuda. It was only a few years ago when it was said that a grass green could not be maintained in the south. Most golfers will agree with me that there are not many sand greens left at reasonably good clubs.

This past summer I added two beautiful lakes to my course using the soil to build up three fairways which were too low, putting on six inches of good top-soil. I also fertilized with 12-6-6 and used the stolon method of planting. Believe it or not, in six weeks after planting we could have played on this new turf. But I much prefer to wait for 30 days more as we have at least that much more growing season which will do the roots no harm.

On my vacation I had the pleasure of visiting with Mr. Lou Evans of Philadelphia, quite a few of that districts golf courses and I want to say frankly that it was surely a treat. The greenkeepers were more than cordial, perfectly willing to take their good time and show you everything from the clubhouse to the barn. I have heard a lot of the old greenkeepers speak of days gone by when they would visit some other course they would almost be insulted but I know from the way that I was treated those days are past. Greenkeepers and pros also can be a great help to each other if they so desire. There is no reason for being selfish. We should pass our ideas on to each other. It's a great service and makes life worth while. I would like to extend to any greenkeeper or pro who might be passing through this part of the country a special invitation to visit our club.

Form Association to Stabilize Miniature Golf

IN an effort to stabilize the miniature golf industry, a national association of theatrical, amusement and sporting goods manufacturers and operators, known as the "National Institute of Golf and Recreation," has been formed. T. D. Oster is temporary president of the organization.

The association, which had its first meeting in New York City, will have for its main purpose the formulation of ethical practices and the codification of uniform sales methods and playing rates.

At present the association is at 295 Madison avenue. Other officers, temporarily elected, are: George W. Montgomery, vice-president; Howard Sloane, secretary; and C. B. Smith, treasurer.

PYRATONE SHEATHS

Bring TRADE MARK
Beauty And Long Life
To Your Clubs

Many of the country's leading Pros. are selling clubs with Pyratone Sheaths. They have found that this feature protects and gives longer life to their clubs. Besides adding beauty and smartness to the shaft's appearance, Pyratone Sheaths have a powerful appeal that makes sales easier and creates lasting good will for you.

Insist on Pyratone Sheaths when you buy your clubs. You can identify Pyratone by the above trade mark. A similar mark is stamped on every sheath. Beware of imitations.

Your Golf Club Manufacturer Can Supply You

Pyratone Products Corp.
557 W. Jackson Blvd. Chicago, Ill.

Pyratone Sheaths are tubes slipped over the steel shafts. It is not a dipped process. We guarantee them not to chip, crack or peel.



The arrow points to the brand new colored inlay on the ferrule. Any color desired can be had.

Westwood's Work Keeps Greensmen Stepping

By WALTER C. REED

(Continued from Page 33)

- 1 mechanic is kept busy keeping all tools in first-class working condition, including tractors, trucks, lawn mowers, and all other tools and implements. It is his job to maintain in good condition the club's drainage and water systems.
- 4 men water greens, tees and approaches; care for the flower garden, the trees, nursery, etc.
- 4 men keep six tennis courts, the Green Section experimental garden and the swimming pool, drained and scrubbed every Monday, in good condition. These men have three acres of bent lawn around the clubhouse to be kept cut and watered; shrubbery to be watered when needed and spaded over once each month; walks to be kept clean of weeds and in good shape.
- 1 foreman checks the assignments of the men and sees that every man is doing his work properly. My foreman and I sit down one-half hour each day and plan our work for the following day.

In this way we have our work running smoothly at all times. Everybody works here; this is no old soldiers' home. We have twenty-five men in busy season, only four during the winter.

Michigan Holds Greens Short Course, Feb. 16-19

MICHIGAN State College of Agriculture will hold a short course for greenkeepers Feb. 16-19.

John Dustin, president of Western Michigan Greenkeepers' Association, will serve as chairman. Profs. Millar, Grantham, Harmer, Robey, Halligan, Musselman, Muncie, Megee and Pettit of the college faculty will be on the program. Others who will figure in the short course are C. A. Stahl, Michigan state seed analyst; Herb Shave, president of Michigan and Border Cities' Greenkeepers' Association, and representatives of the Green Section.

Complete details of the course may be secured from Prof. C. E. Millar of Michigan State College, East Lansing, Mich.

TO HELP
YOU SELL

The Tee
of Champions



(Name goes here)

PRO SHOP

LESSONS by APPOINTMENT

LATEST and BEST GOLF
EQUIPMENT



The
REDDY
TEE




The handsome sign illustrated above will make an attractive display for your shop... 12" high, 15" wide... made of 30 gauge steel with baked enamel finish... richly colored in red, yellow and green with your name on it... tells golfers you sell the most popular tee on the market. Write for yours today. Its FREE!

The Nieblo Mfg. Co., Inc.
38 East 23rd St. • New York

N. A. G. A. Meeting Gives Wise Boys Head Start on Season

By HERB GRAFFIS

FEBRUARY 3 to 6, approximately 600 men having major responsibility for golf course maintenance will meet at Columbus, O., for the fifth annual convention and equipment show of the National Association of Greenkeepers. The greenkeepers will comprise more than 400 of this total according to advance estimates. The remainder will be the manufacturers and salesmen of equipment and supplies.

More than half of the greenkeepers will have their convention expenses paid by their clubs and it is this writer's conviction that such expense items are productive and economical details of the well managed budget. In various phases of journalism your reporter has covered many business conventions. Being rather morose he has harbored the opinion that conventions could be dispensed with at no loss to any businesses except those of the bootleggers and broads. Acting, in the present instance, as a stool-pigeon for the greenchairmen, he can say honestly that the greenkeepers' convention is an exception to the usual procedure of frivolous masquerading as a matter of major business importance. The greenkeepers haven't the dough or the time to waste. They go at the programs with a seriousness based on a desire to have their own courses handled so well that other greenkeepers will point them out as paragons.

At the exhibits they paw into every chance for making the budget money go farther and making their courses better. With today's greenkeeping slogan being more good machinery and fewer wasteful men, the attention of the greenkeeper is sharply focused on the exhibits.

Set Year's Trends

Sitting around in informal sessions in the evening the boys compare notes on machinery and methods and this undoubtedly has a lot to do in directing the year's trends. The old days, when a greenkeeper tried to keep his way of operating a secret, have passed just as they have in other

businesses where smart men are on the job.

Taking the greenkeepers by and large, it would be hard to find a group of men with a broader policy of helping the lesser lights in the profession. The only aspect of smallness about their conventions is an annual political bickering, which fortunately is of brief duration. The boys have some way to go, judging from some previous meetings, before they learn to look at their association affairs in an impersonal, businesslike fashion. John Morley, president of the organization since its start, has tried nobly in his efforts to eliminate this handicap to the association's progress. As comical and purposeless as some of these torrid wrangles seem to an outsider, they constitute the annual public blow-off of the boys, and as such may have some psychological value.

Theory and Practice on Program

Headliners in the world of turf science have the spots on the program. The lineup is divided about 50-50 between the greenkeepers who are especially successful in the work their addresses describe and the scientists who are laboratory and turf-plot stars with some technical developments the greenkeepers want to consider for practical application.

The practical greenkeepers on the program this year are Al Lundstrom, Tom Winton, Joe Mayo, Ed Dearie and Joe Williamson. Winton is slated as the lead-off man, speaking on golf course architecture and construction. It is expected that Tom will be able to hand out a lot of valuable advice to greenkeepers who have new work or reconstruction to do at their clubs as he has a wealth of experience to draw from. Al Lundstrom, of the Crescent A. C., is reputed to have the best grass tennis courts in the world. Al is a veteran greenkeeper and at present is on the job at the new Crescent courses under construction.

John MacGregor, greenkeeper of the Chicago Golf club, will discuss irrigation

SMOOTHER FAIRWAYS for '31 ••• and ALL the Years to come ---with IDEAL 7 Blade BULLDOG MOWERS



IT is no idle boast to state that Ideal Bulldogs can mean smoother fairways. These time proven mowers are built differently from any other. The new 7-blade cutting units insure a perfect job of cutting—especially valuable on Bent fairways. Their low wheels, close-coupled frame, and high-speed cutting units that are pushed instead of pulled, are the reasons for smoother fairways. They get right down to every little hollow—cut perfectly over—not into—every little hillock. They can't bounce and sway under fast going, or hillside work. Lighter and stronger, faster and smoother, the Bulldog is unequalled for performance.

IDEAL POWER LAWN MOWER COMPANY
446 Kalamazoo St., Lansing, Mich.

FACTORY BRANCHES

413 W. Chicago Ave.,
Chicago, Ill.

161 Vester St.
Ferndale (Detroit) Mich.
273 Boylston St., Brookline, Mass.

237 Lafayette St.,
New York City

Dealers in all principal cities

IDEAL GOLF COURSE EQUIPMENT



*Cascade Hills C. C.,
Grand Rapids, Mich.*

"--at least 50% saving in Labor with new Ideal Rough Mower"

In my opinion, it is just as important that a greenkeeper keep his rough in condition, as it is to have good fairways.

Previous to 1930, keeping our rough mowed was one of my meanest jobs. I purchased three Ideal rough units to use with our Ideal Triplex and during the summer of 1930, our roughs at Cascade Hills Country Club were kept just as well cut as our fairways.

We have at least 60 acres of rough to mow and not only did we have our rough in shape at all times, but I am sure we also made at least 50% saving in labor. I also received many favorable comments from club members on the fine condition of our rough.



*Sylvester Dustin,
Greenkeeper*

Sylvester Dustin

Greenkeeper Cascade Hills
Country Club, Grand Rapids, Michigan

IDEAL GOLF COURSE EQUIPMENT