

“See what happened at the Phoenix Open?  
Jug McSpaden birdied the last two holes to  
tie Byron Nelson—then won the play-off.”



“Yeah! McSpaden shot twelve under  
par for the five rounds! But, boy,  
Nelson was no slouch to beat.  
He averaged two under par for each round.”

**Items of Record!** This season, Nelson won the San Francisco  
Open with McSpaden finishing second. And McSpaden won the Los Angeles  
Open. Both of these great players use Tourney\* clubs, as do many others  
—top notch pros and amateurs alike. Tourneys are pro sold exclusively.

*MacGregor*

THE GREATEST NAME IN GOLF

REG. U. S. PAT. OFF.

CRAWFORD, MACGREGOR, CANBY CO., DAYTON 1, OHIO

\*TOURNEY—Trade Mark Reg. U.S. Pat. Off. • Players named are members of the MacGregor Pro Advisory and Technical Staff.

# P. S.

## MORE ABOUT YOUR CHANCES OF GETTING GOLF BALLS THIS YEAR

The chances of getting golf balls (reconditioned golf balls, of course) look brighter as we go to press with this issue. At least, brighter for the players at some 700 golf clubs throughout the country. Two weeks after the nation-wide collection program was announced, 749 golf clubs had ordered supplies of the free material offered by the National Golf Foundation for promoting the turn-in of unplayable golf balls by their players.

Thus far, pros or club officials have ordered sufficient promotion material to cover more than 100,000 players and each day brings orders for material to awaken thousands of other players to the seriousness of the golf ball scarcity.

Judging from the number of letters received from pros and club officials following the widespread publicity given the National Golf Foundation's plan by the newspapers, radio, Time, Esquire, PGA Magazine and the January issue of GOLFDOM, many club presidents and professionals either failed to receive the original folder describing the plan and free promotion material offered, or overlooked its importance.

Any golf club president or pro interested in assuring an ample supply of golf balls at their club in 1944 and who failed to get the folder describing the plan and free promotion material should write, without delay, to National Golf Foundation, 14 East Jackson Blvd., Chicago 4, Illinois.

Greenkeepers are an important factor in the drive. Maintenance crews in their routine duty of mowing and general work around the course find many golf balls during the season.

The golf ball priority certificate has clicked with officials, players and pros alike. It gives the players who cooperate in the drive first chance at the reprocessed golf balls when they are returned from the factory. It's fair to all and getting action.

One prominent golf club official points out that referring to unplayable golf balls as "used golf balls" is misleading. So that there will be no further misunderstanding among the players, make it clear that *golf balls still in playable condition are NOT wanted*. To the contrary, players are to be cautioned (if need be) to treat them with the respect they deserve and get the maximum performance out of them. In this connection pros at some clubs might consider offering a repaint service for marked or discolored golf balls as a source of added income and as a timely emergency service appreciated by their players.

There is no hope for the release of rubber for new golf balls for many moons to come; the hope of a satisfactory synthetic golf ball is just what it was a year ago—a hope. In the meanwhile, the golf ball salvage drive has hit a stride that promises an ample supply at a big and steadily increasing number of the nation's courses.

Get your shipment of "unplayables" in early—it will get you a priority on early delivery of your reconditioned golf balls.

## Western GA Invites Open Championship Offers

**D**IRECTORS of the Western Golf Association are receptive to bids for a Western Open Championship for 1944, providing that such a tournament could be hooked up with the war effort.

Since 1930, the proceeds from all Western Golf Assn. tournaments have been applied towards Evans scholarships for outstanding caddies who required financial support for a college education. These caddies, who have attended Northwestern University at Evanston, Illinois, are known as the Evans Scholars.

Although most of the current scholarship holders, as well as graduates, are now serving the military forces, there are a few still attending school. Those who have left school to enter the armed forces, who

desire to finish their education, will be given that opportunity after they return from the war. These caddie scholarships at Northwestern University have been so highly successful that the Western Golf Association has plans for expanding this project to other Universities throughout the country after the war.

There are about forty Evans Scholars now serving as commissioned officers in the Army and Navy.

Sixty-seventh annual report of A. G. Spalding & Bros. Inc. showed a net profit of \$11,505,746, for the fiscal year ending Oct. 31, 1943.

Most of the production was of war materiel. Increased sales of sports equipment to the Army and Navy helped some sports lines, but golf and tennis declined, not having war orders.

# BALANCED GOLF BAG

Patent Applied For

**EASIER to CARRY  
SAVES ENERGY  
IMPROVES THE GAME**



### MAN-O-WAR MODEL

Best materials — light weight, non-sag construction. Natural heavy duck, reinforced at all wearing points. Wide, adjustable shoulder strap. 14 club capacity, divided opening. **\$5**

### PROMPT SHIPMENTS

Discount 40% (\$3.00 ea.) Transportation paid on shipments of 1 dozen or more.

Cash discount — 2%

**Order Your 1944 Supply — NOW!**

## BALANCED GOLF BAG

North and Noble Sts., Chicago



# Jap Beetle Killer Now Sold Under U. S. Patent

By EDGAR J. CLISSOLD

The most effective control agency yet discovered for the Japanese beetle is the milky disease of the grubs. This is the opinion of the U. S. Department of Agriculture, and many of us are familiar with the fine work they have been doing, in cooperation with State agencies, in establishing milky disease colonies throughout the Japanese beetle infested area.

The Secretary of Agriculture has decided to grant a license to permit commercial production and packaging of milky disease spore dust, and we now can buy this material easily.

The method of using milky disease in dust form for the control of Japanese beetles was perfected by entomologists of the United States Department of Agriculture and the invention is protected by U. S. Letters Patent No. 2,258,319 issued to the Secretary of Agriculture. Since the fall of 1939 through 1942 the Department of Agriculture in cooperation with State agencies treated 33,503 acres with milky disease spore dust, representing 45,373 colony plots throughout the beetle-infested area.

The grubs of the Japanese beetle hatch from eggs laid in the soil by the adult beetle. The grubs live in the soil for about ten months and feed on the grass roots in turf areas. These grubs pupate and emerge from the soil as adult beetles sometime in June. Consequently, the spring of the year is a good time in which to treat your turf with milky disease spore dust, and both prevent the grubs from destroying your turf and developing into adult beetles. Summer and fall treatments are also recommended. One treatment is normally sufficient—it will be effective for years, and it may never be necessary to treat your soil again. And the permanence of this control is an important factor to remember when estimating the cost of treating your land.

Milky disease is established by simply dropping one level teaspoonful of milky disease spore dust on top of the turf in Japanese beetle grub infested areas at five-foot intervals in rows five feet apart.

One pound of spore dust will treat 4,000 square feet of ground, and 10 or 11 pounds will treat one acre. A hand corn planter of the rotary type may be used for this work as it may be adjusted to deliver accurately two grams (approximately a level teaspoonful) of material at each spot.

Milky disease is caused by a tiny organism which has been named *Bacillus popilliae*. When a grub is infected with this disease the bacteria multiplies rapidly in its body, and death comes rapidly. The blood of the diseased grub takes on a milky color and consistency, giving the grub a milky white appearance. It may be difficult, however, for the average person to distinguish the marks of the disease from the fat accumulation that is present in mature grubs.

When an infected beetle grub dies it liberates three to nine billion more of the living spores of milky disease in the soil and thus establishes another fatal focus of the disease to infect succeeding generations of grubs for many years to come.

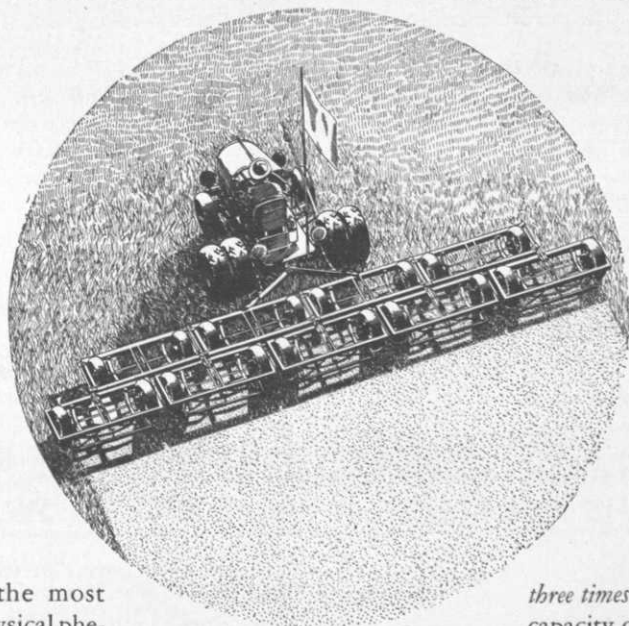
The milky disease organisms are remarkably resistant to dryness or excess moisture, and they are not harmed by high or low temperatures. Even bacteria that has passed through the digestive tracts of birds and small animals that have eaten diseased grubs remain alive, and are reintroduced into the soil. Fortunately, milky disease is harmless to plants, human beings, and domestic animals.

It has not been found possible to obtain sporulation on artificial media of the organisms which cause milky disease. The spores of the disease are obtained from the blood of diseased Japanese beetle grubs. Films of the dried blood are put on glass microscope slides for stock cultures. Tests have shown these spores to be still fit for use four years after storage. The spores in this dried blood are used to inoculate healthy grubs. An exact inoculating dosage must be injected into each grub by means of a hypodermic syringe.

(Continued on Page 38)

For the biggest "fairways" in the world . . .

## WORTHINGTON AIRFIELD "GRASS BLITZER"



"One of the most striking physical phenomena of the modern world are the huge airfields which have been constructed . . . at the farthest corners of the earth," remarked a United States Senator recently after an around-the-world inspection tour of the fighting fronts.

These huge airfields, the "fighting fairways" of today, are thousands of acres in area — must be kept in fighting trim for the planes must take off and land to fight and attack. The Worthington "Grass Blitzer" was developed by our engineers to meet the demand for a large cutting capacity mower — and is the **only gang mower being purchased today for use on the airfields of our armed forces.**

The "Grass Blitzer", a revolutionary 9-gang combination, cuts in an 8-hour day over 300 acres. That's more than

*three times* the cutting capacity of any other combination tractor and gang mower now available.

Our wartime experience, added to our 30 years' work solving mowing and maintenance problems, will help us produce more efficient mowing equipment for peacetime fairways. Until that day, our agents, dealers, and home office are at your service to help you keep your present Worthington equipment in top form.



The Army-Navy "E" pennant flies proudly over our plant . . . a tribute from the armed forces to our employees, to our suppliers, and to our customers without whose whole-hearted cooperation our full-out wartime production would not be possible.

**WORTHINGTON MOWER CO.**

Home Office: Stroudsburg, Pa.

# WARNING

## TO 1944 GOLF CLUB OFFICIALS

For TWO REASONS we must ask your immediate help to assure GOLFDOM reaching the right men at your club:

- 1.—The perplexing problems of wartime golf club operations demand prompt and practical treatment. GOLFDOM, as the clearing house for wartime operating practices of proven value, can help you attain utmost efficiency — but to do so we must know which of the officials and department heads (shown below) will be in charge at your club in 1944.
- 2.—We are forced by the acute shortage of paper to limit the mailing of GOLFDOM to **only** those officials and department heads whom we have been advised will serve their clubs this year.

Accordingly — we urge you to fill-in and mail the names and addresses asked for below at the earliest possible moment.

## **FILL IN ... TEAR OUT ... MAIL IN** **THE INFORMATION ASKED FOR BELOW:**

Club..... No. of Is course private,  
holes?..... daily fee or municipal?.....  
By..... Club Position.....  
Address .....

PRESIDENT (or owner)

Address

GREEN-CHAIRMAN

Address

CLUB MANAGER

Address

SECRETARY

Address

GOLF PROFESSIONAL

Address

GREENKEEPER

Address



## Make DAVIS Your HEADQUARTERS

For Golf Course Supplies

We have a stock of supplies and equipment necessary for maintenance of your golf course this year. By making George A. Davis, Inc. your headquarters you'll save much time and disappointment in acquiring the supplies you need and can still get.

Write today for our Complete Catalog.

No Cost . . . No Obligation.

**GEORGE A. DAVIS, Inc.**  
5440 Northwest Highway  
Chicago, Ill.

## BUCKNER SPRINKLERS

will return with Victory

UNTIL then, under the Army-Navy pennant awarded for excellence in war production, Buckner's manufacturing facilities will remain concentrated on agricultural sprinklers for crop production for the nation's growers. Meanwhile, spare parts and some turf sprinklers are available.

Contact your nearest Buckner Dealer.

**BUCKNER  
MANUFACTURING CO.**  
FRESNO, CALIFORNIA

7658 Calumet Ave.  
Chicago, Ill.

7280 Melrose Ave.  
Los Angeles, Calif.



WPB has announced the removal of all restrictions on mercury imposed by Conservation Order M-78. The principal effect of revocation will be to permit the use of mercury in place of inferior substitutes.



**BERK'S BIG "4" are**

*Now Available*

*for use on the Fairways of the Nation*

★ **FUNGCHEX\***

A calomel sublimate mixture for the better control of brown patch.  
\*Registered U. S. Patent Office.

★ **WOOD RIDGE MIXTURE "21"**

For turf disease control. Used by leading greenkeepers for many years to control large brown patch, dollar spot, and snow mold.

★ **CALOMEL**

Order any quantity and be sure of constant, never-changing quality. We will be glad to quote on your requirements. Write if your dealer cannot supply you.

★ **CORROSIVE SUBLIMATE**

F. W. Berk and Company, Inc., have spent many years in research; not only seeking new methods to bring their products to higher standards, but making them more adaptable for specific uses.

**F. W. BERK & CO.  
INC.**

WOOD-RIDGE . . . NEW JERSEY



# JAPIDEMIC MILKY DISEASE SPORE DUST

**Kills the Grub  
of Japanese Beetles  
in the soil!**



## CONSIDER THESE POINTS—

- 1 Offers permanent control. One treatment being normally all your turf will ever require. Consider the future savings in money and labor.
- 2 Easy to apply—little labor involved.
- 3 Nature's own method—milky disease spreads rapidly in the soil. (It is harmless to humans, animals and plants.)
- 4 One pound of JAPIDEMIC treats 4,000 sq. ft. 10 to 11 lbs. treats one acre. At a cost of \$5.00 per lb. it is most inexpensive when you consider it is a permanent control.

JAPIDEMIC is produced in accordance with the method covered by U. S. Letters Patent No. 2,258,319, and under license granted by the Secretary of Agriculture.

## ORDER YOUR SUPPLY NOW

We are happy to be of service in bringing Japidemic to your attention, but may we also serve you by reminding you that you should order your grass seed, fertilizer and other supplies as promptly as possible. Delay benefits no one—it may seriously inconvenience you. Let us quote prices on your requirements today.

**PETER HENDERSON & CO.**  
35 CORTLANDT ST., NEW YORK 7, N. Y.

(Continued from Page 34)

The injected grubs then undergo a period of incubation. They are kept in boxes filled with soil and a small quantity of grass seed. As the grass seed germinates the sprouts supply food for the grubs.

After the period of incubation, the grubs are carefully screened from the soil, and then washed to remove all soil particles. They are then crushed by being put through a meat chopper.

A standardized grub suspension is then prepared and added to the carrier (Calcium carbonate, precipitated, U. S. P.) to produce a mixture that contains one billion spores per gram of dry material. After thorough drying this concentrate is mixed with a dry carrier (talcum powder). The final mixture contains 100 million spores per gram, and it is ready for use by greenkeepers.

## Indiana Short Course at Purdue, Feb. 28-29

SIXTH annual short course for greenkeepers will be held in room 355, Purdue Memorial Bldg., West Lafayette, Ind., Feb. 28 and 29. A registration fee of \$2.50 will include Monday evening dinner.

Indiana Greenkeepers' Assn. and Purdue's Dept. of Agricultural Extension cooperate in putting on the program which will be conducted on the round-table discussions basis. Among program features will be Dr. George D. Scarseth on soils and fertilizers, Prof. G. O. Mott on grasses and fairways, Prof. Glen Lehker on insect pests, Prof. O. C. Lee on weeds, and O. J. Noer, Fred Grau and other nationally known course maintenance authorities.

SOS for Yank Clubs.—Henry Cowen, v. p., Crawford, MacGregor, Canby Co., got this letter from a service man in England:

"How can I have some golf clubs sent over?"

"I am in England and it is some distance to London from where I am stationed, so it is pretty hard to get hold of some good golf clubs.

"I am on a golf team over here. We just picked up a regimental team last week and won the Red Cross Sectional Golf Tournament. Out of four prizes awarded we took three of them. If we had been lucky enough to have had about five MacGregor clubs each we would have done even better.

"I want to buy a few of your clubs such as a No. 2 wood and a few irons. No. 3-5-7, and a putter.

"If you can send me these five clubs

Golfdom



please do so and I will pay you for them any way you say."

Cowen explains that the "foreign correspondent," according to the company files, is neither a former pro nor former customer. Apparently, he's just a dyed-in-the-wool golfer. Right now he is seeking permission from postal authorities to ship the clubs across. If the P. O. will OK the shipment, Henry will deadhead the shipment to the kid.

**Scotch Thrift Gag, No. 986,541,432.**—Yankee servicemen visitors to the King's course at Gleneagles, Scotland, are told that an ornamental rock structure is a monument to a caddie who died of starvation looking for a golf ball Sir Harry Lauder lost. Unless the ball situation gets better over here American courses are going to be full of similar monuments.

**Balls to So. Pacific.**—Haverhill, Mass., golfers have sent approximately 225 used balls to recreation camps for fighters getting respite from action in the South Pacific. Other used balls have been supplied to U. S. camps. The movement was started by Capt. and Mrs. Joseph U. Ryan, parents of Pfc. Jim, former Haverhill champ, who was hospitalized in the South Pacific. Colley Court, owner, John J. O'Shea, former pres., George Astor, pro, of Haverhill CC, Charley Sombery, sr., Gazette sports editor, Rotary, Kiwanis, Chamber of Commerce, business and professional men pushed the use ball drive.

## WHAT'S NEW IN THE INDUSTRY

A policy of reconditioning and repairing only clubs and equipment manufactured by the company itself has been established by the L. A. Young Golf Co., Grand Rapids, producers of the Walter Hagen line of golf equipment, according to Edward P. Rankin, sales manager. Continuing scarcity of quality repair parts and inability to produce new items in sufficient volume to service the clubs of all the various producers has prompted the decision, it is understood.

**Atlas Lawn Equipment Company, 9761 Olive Street Road, St. Louis, Missouri,** has been appointed distributor for Worthington turf machinery according to Ross Sawtelle, president, Worthington Mower Company, Stroudsburg, Pa.

The Atlas company, under the direction of H. S. Walter, owner and manager, will be responsible for Worthington sales and service in the counties of Lincoln, Warren, St. Charles, St. Louis, Franklin and

February, 1944



**TWO 1944  
MAINTENANCE  
"musts"**

for HOUSE and GROUNDS

## MELFLEX CAN SUPPLY

*But — Anticipate Your Needs  
Now, to assure delivery.*

**MELFLEX SPECIALLY MOULDED HEAVY DUTY RUBBERIZED FABRIC SAFETY STEP TREADS** with Diamond Design tread surface as approved by Underwriters' Laboratories, Inc. Extra reinforced lip or nosing protects approach edge and substantially prolongs its life. Melflex treads supplied in sizes for step and stair protection and can be securely cemented to all types of stairs with Melflex MELASTIC Waterproof Cement.

**MELFLEX HOSE FOR GOLF CLUBS** is made in four grades for efficient, durable service:

- A—The MELFLEX special two Braid Water Hose  $\frac{3}{4}$ " in 250 ft. lengths.
- B— $1\frac{1}{4}$ " Heavy Duty two Braid Water Hose in 100 ft. lengths.
- C—MELFLEX Garden Hose,  $\frac{5}{8}$ " regular 25, 50 and 100 ft. lengths.
- D—Special Synthetic one Braid Double End Cotton, Special, 25 ft. lengths.

### MELFLEX PRODUCTS COMPANY

L. E. Warford, Pres.  
415 Wheeler Lane  
Akron 8, Ohio



**STOP ACCIDENTS—SPEED VICTORY**

### When it is GOLF PRINTING!

*Specialists, for years to many of America's largest and most exclusive courses, can best serve you, too.*

**Score Cards - - Charge Checks  
Greens Maintenance Systems, Pencils  
Caddie Cards - - Handicap Systems  
Forms for Locker and Dining Rooms  
and for the Professional.**

Samples to your club for the asking.

**VESTAL CO., 703 S. La Salle, Chicago**

● **BACK THE ATTACK!**

## What happens when your hat comes down?



SOMEDAY the War will be over.

That'll be quite a day. But what about the day after?

No man knows just what's going to happen then. But we know one thing that must *not* happen:

We must *not* have breadlines and vacant farms and jobless, tired men in Army overcoats tramping city streets.

*That is why we must buy War Bonds—now.*

For every time you buy a Bond, you not only help finance the War.

You help to build up a vast reserve of postwar buying power. Buying power that can mean millions of postwar jobs making billions of dollars' worth of postwar goods and a healthy, prosperous, strong America in which there'll be a richer, happier living for every one of us.

To protect your Country, your family, and your job *after* the War—**buy War Bonds now!**

*Let's all*  
**KEEP BACKING THE ATTACK!**

*The Treasury Department acknowledges with appreciation  
the publication of this message by*

GOLFDOM