60-inch riding mower, made by Yazoo Mfg. Co., Inc., Jackson, Miss. is powered by 12.5-hp AGND.

Jobs like this separate WISCONSINS from putt-putts

It takes guts and load-lugging power — not just rated hp — to breeze through dense, matted growth like this. And the AGND Wisconsin has more of both than any other 12.5-hp engine made. That’s why it can slice a 60-inch swath through acres of tangled mass without stalling.

This rugged cast iron workhorse has the cat-like full-power response to meet sudden load variations — and to accelerate where other engines falter and stall. It incorporates such exclusive long-life features as: Forged connecting rod and forged-steel crankshaft which rides on service-free tapered roller main bearings. Its built-in flyball governor holds load close in tough going. And Stellite exhaust valves and inserts plus rotators outlast ordinary valves up to five times in severe applications like this.

Remember this: The exclusive features are standard on the AGND, not options. In fact, Wisconsin offers 10 single-cylinder cast iron models built to the same quality standard, ranging from 3 to 12.5 hp. So power your line with Wisconsins. Get Bulletin S-324. Also get S-327, a handy guide for ordering factory-engineered Wisconsin repair parts and service kits. Write Dept. P-35.

WISCONSIN

MOTOR CORPORATION

MILWAUKEE, WISCONSIN 53246

World’s Largest Builder of Heavy-Duty Air-Cooled Engines — 3 to 60 5 hp

February, 1963
may we spray through?

John Bean has a sprayer to fit your course

From tee to green, your course benefits from a John Bean sprayer. Take the high-pressure, boom-type sprayer shown. Fairway weed, brush and mosquito control. Liquid fertilizing. Tree spraying. High-pressure outlet for hose-and-gun green and “spot” spraying. Dust abatement. Stand-by fire protection. Even leaf and brush burning. Select from the most complete line of hydraulic and air-type sprayers, booms and accessories. Just ask the “sprayer people”...

Write for free sprayer catalog. Mosquito Control Data Kit also sent upon request.

they haven't enjoyed the construction phase, but nearly all are convinced that the decision to hold out at the same old stand was a wise one. Lake Merced, they add, probably is a better course for the changes that have been made.

Clubs Reasonably Priced

(Continued from page 32)

degree lie and the No. 3 and No. 4 woods 58 degrees.

Boring the head for proper face alignment is an operation that makes or breaks a club. For the average player, the head should be bored so as to have a 1 to 1½ degree hook since most high handicap players have a tendency to slice.

For the professional or low handicap player, the boring should be such as to create a straight or slightly open face since the expert player is generally trying to avoid a hook.

The radius of the face of the club from toe to heel is called the bulge. I believe it should be 11 degrees. The bulge has a tendency to minimize the spin of a hook or slice stroke. (Note that I say minimize not eliminate.)

Grip Size Important

Grip size and uniformity are a must in a good club. Regardless of how good a set of clubs may be the least variance in the grip size will not give all the same feel and, consequently, all will not play the same.

The flex of the shaft must be absolutely identical in each club in a set. The flexing point of the shaft should be in the same position on each shaft all the way through the set.

Many of the qualities of a good club are hidden. They are there because skill, time and money put them there. If they weren't there the clubs would not be playable.

This is the story the public must be told.

Classified Ads • P 148
Velsicol gives you the answers to 9 common turf problems

No. 1—crabgrass. No. 2—white grubs. No. 3—ants. For pre-emergence control of crabgrass plus turf insect control, apply Velsicol Bandane® 15G or Chlordane. Both kill crabgrass before it comes up and get rid of ants and grubs. If insects are a major problem, apply Chlordane. If you plan to re-seed, apply Bandane 15G—there’s no long wait to protect seedlings! Whichever you choose, apply early—as soon as weather permits.

No. 4—snow mold. No. 5—dollar spot. No. 6—brown patch. For more effective prevention or cure of these turf diseases, apply Velsicol® “2-1.” The new “2-1” formula has greater wettability, more stability in suspension and less foaming action than any other comparable product. Saves time, money and turf! Mix with water or apply dry, mixed with sand or compost.

No. 7—common chickweed. No. 8—knotweed. No. 9—clover. Banvel® D-4S is a newly developed Herbicide that gives thorough control of most broadleaf weeds found in turf. Attacks foliage and roots, kills even the deepest roots. Effective in warm or cool weather—excellent for control of hard-to-kill winter broadleaf annuals.

Velsicol Chemical Corporation
341 E. Ohio St., Chicago, Ill. 60611

Gentlemen: Please send me your new Turf Chemical catalog.

NAME

ORGANIZATION

ADDRESS

CITY STATE ZIP

February, 1965
about being in a fix when they cannot perform miracles. The younger fellows worry themselves sick about what they are up against. Many times, for example, I have heard younger men at supt.' meetings confess that they are beginning to fear the summer. They know they have a job — a tough and terrorizing job even when things are going right.

After years in the business the older supt. realizes that if everything went perfectly in his job, any bum could run it. It is when those trying times come that the job calls for a mighty smart man. A good supt. even gets to the place where he makes an asset out of trouble. For example, I heard a very good supt. say something profound when studying the damage done to his course last summer when the Midwest courses were hit. This fellow — Norman Kramer, supt. at Point O' Woods (Benton Harbor, Mich.) — looked at the damage and said, “Just when I thought everything was perfect! But there is one good thing about it. I now know where the weak spots are!” This is the spirit of the good supt. And, it is only one of the innumerable cases I have seen of gifted and strong-hearted men making good at one hell of a job.

The more than 150 persons attending the annual conference of the Mid-Atlantic GCSA, which was held in collaboration with the University of Maryland, heard a variety of suggestions for handling the problems caused by increased play. Among those giving advice were James E. Thomas, Army-Navy CC supt., and Bradley J. Strouth, supt. of the Maryland National Capital park and planning commission. Giving watering talks were Charles G. Wilson of the Milwaukee Sewerage Commission, Joseph C. Tropeanon and Robert A. Moore of Aquatrols Corp. Stan Frederiksen of Malinckrodt described the “spring deadspot” cure of Bermudagrass in Baltimore-St. Louis belt.

Members of university agronomy staff summarized recent scientific developments of special interest to supts. Dr. H. L. Dunton covered turf work in Virginia;
safe-spray
the Davey
thrifty way

You can't afford to let the valuable ornamental trees around your clubhouse go unprotected against disease. You can afford to safe-spray the Davey way. Davey experts are fast, efficient. Our crews will get the necessary equipment in where it's needed, without damaging lawns, or walks, or garden areas. And you save in money you can count by the hundreds of dollars. Because when Davey does the job, you eliminate all cost of owning and maintaining expensive tree-care equipment — plus the cost of trained experts.

Davey experts will use only the most thoroughly tested spray materials. And the job has to be done at the proper time—while your trees are without leaves—a dormant safe-spray application.

Keep your members proud of the looks of their clubhouse surroundings—by keeping your valuable trees protected by nationally known Davey professionals. An early appointment for Davey to safe-spray your showplace trees will be a definite date to start saving maintenance money.

Write direct to F. F. Lofgren,
Sales Manager

DAVEY TREE
EXPERT CO.
Kent 40, Ohio
The Oldest and Largest Tree Saving Service in the World

February, 1965
WINTER INJURY
and
SNOW MOLD
...have one thing in common
THEY ARE MORE SEVERE IN AREAS OF POOR DRAINAGE

AQUA-GRO
... moves excess water out, prevents overly wet areas that encourage snow mold and winter injury
• make AQUA-GRO a part of your fall program NOW!
•
AQUATROLS CORPORATION of AMERICA
217 ATLANTIC AVE., CAMDEN, N. J. 08104

1965 USGA Competitions

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 17-19</td>
<td>National Open, Bellerive CC, St. Louis</td>
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</tr>
<tr>
<td>July 1-3</td>
<td>Women's Open, Atlantic City CC, Northfield, N. J.</td>
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<tr>
<td>July 12-17</td>
<td>Amateur Public Links, North Park GC, Pittsburgh</td>
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<tr>
<td>Aug. 3-7</td>
<td>Junior Amateur, Wilmington</td>
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<tr>
<td>Aug. 16-21</td>
<td>Americas Cup, St. Charles CC, Winnipeg, Man.</td>
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<tr>
<td>Sept 23-28</td>
<td>Women's Amateur, Lakewood CC, Denver</td>
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<tr>
<td>Sept 3-4</td>
<td>Baltimore (Md.) CC, Five Farms Course</td>
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</tr>
<tr>
<td>Sept 13-18</td>
<td>National Amateur, Southern Hills, Tulsa</td>
<td></td>
</tr>
<tr>
<td>Oct. 4-9</td>
<td>Senior Amateur, Fox Chapel GC, Pittsburgh</td>
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Dr. Ralph Engel covered New Jersey and Dr. Elwyn Deal, Maryland. Dr. Stephen Bachledler spoke on “What Every Supt. Should Know About Plant Diseases.” Dr. Joseph Duich of Penn State brought the supt.s up to date on weed control. Dr. Fred Grau gave a talk on fertilization. Dr. Raymond P. Korbobo of Rutgers Univ. Dept. of Horticulture talked on landscaping a country club. Robert Shields, Woodmont supt., and David W. Moote, national GSCA president, spoke on personal aspects of course management.

Club Celebrations
(Continued from page 82)

be released to newspapers and radio and T.V. stations as soon as decisions are made.

What Is Gained
Golf clubs across the country have proved time and again that celebrations are well worth the necessary time and money investments. Effectively sponsored celebrations can:
1. Improve relations with members.
2. Help build community goodwill.
3. Increase use of both course and pro shop.
4. Give you a good indication of where a club stands with regard to members, the local community, and civic leaders.
new Betasan®

means crabgrass and poa annua control with safety!

Now you can control crabgrass, goose grass, poa annua and other grassy weeds on your course as easily as you control broadleaf weeds.

How?

Use Stauffer BETASAN, a new selective pre-emergence herbicide that controls these and other important grassy weeds and some broadleaf weeds. And it’s safe to the bentgrasses, fescues, bluegrasses and other sensitive perennials used on most courses.

Send for your free copy of Stauffer’s new booklet, “BETASAN Control for Crabgrass and Poa Annua in Greens and Turf.” BETASAN gives you efficiency and safety.

Stauffer Chemical Company, Agricultural Chemical Division, 380 Madison Avenue, New York, N. Y., 10017.

READ THE LABEL, HEED THE LABEL AND GROW WITH STAUFFER CHEMICALS
Bob Stevens, who assisted pro Jim Milward at North Hills CC in Menomonee, Wis. last season, has been appointed head pro at Green Bay’s Shorewood Club...

Indian Lakes Estates in Du Page county, west of Chicago, is a subdivision of 400 half-acre homesites that will surround two 18-hole golf courses. The courses are expected to be completed this spring and a clubhouse is being constructed... A pitch-and-putt 9-hole course for older people will be constructed next to the regular course in Watsonville, Calif. that’s now being built.

Roy “Rusty” Hauschild has been named supt. of the Wheaton (Minn.) GC...

Last year saw $20,000 worth of remodeling at Greensburg (Ind.) CC to give extra space to the clubhouse... Club also rebuilt several tees and constructed a cart-storage house... Howard D. Hungerford, member of the board of directors, is course supt. and supervised course improvements... With the opening of the season, golfers should be able to play on the newly constructed Riverside GC (St. Charles, Mich.) as a result of a Small Business Administration $85,000 loan...

Shreveport, La.’s. newest course, the 18-hole River Haven GC, will be located 4½ miles from the downtown area.

July is the target date for the opening of the 18-hole Randall Oaks course in Dundee (Ill.)... A clubhouse is under construction and remodeling of two existing barns to serve as a maintenance shop and garage has been substantially completed... April 1st is the scheduled completion date for the $280,000 renovation program at Oswego Lake CC clubhouse, Lake Oswego, Ore... The board of park commissioners of Bridgeport, Conn. has approved $35,000 for an irrigation system for nine holes of the 36-hole Fairchild Wheeler municipal course... New system is to be fully automatic... Marco Marinello owner of Wyckoff Park G & CC (near Holyoke, Mass.) has been supervising work on new fairways, greens, tees and a new clubhouse as a result of 23 acres being chopped from the present lay-
New sprinkler system pays for itself in 10 years... automatically!

Based on actual operating costs, stepping up from hand sprinkling to an automatic Toro underground sprinkler system can:

... save up to $20,000 on labor costs over 10 years if you sprinkle just three months a year;

... save up to $120,000 on labor costs over 10 years if you sprinkle nine months a year.

And if you now have an underground system with quick couplers and impact sprinklers, you can convert to Toro's automatic system and recover your investment in as little as five years.

Efficient automatic operation is only one of the reasons for a fast payoff with Toro.

Exclusive valve-in-head sprinklers cost less to install and maintain. (See illustration above.) Save up to 40% per head, initially. Cost less to maintain because both valve and head are easily reached for quick service.

Exclusive 2-speed head eliminates double coverage. Toro's new 660 rotary pop-up head automatically goes twice as fast in overlapping areas, automatically slows to regular speed in areas covered by just one head. Saves water by eliminating puddling, runoff and waste. With 185' diameter coverage*, fewer sprinklers are needed to cover the same area.

Exclusive sprinkler nozzle design results in the industry's most effective precipitation rates... can actually reduce your water costs up to 25%.

Let us show you how fast an automatic Toro system can pay off on your turf. We manufacture a full selection of automatic sprinkler system components and can engineer the right system for any job or budget. Call or write your nearest Toro distributor. Or write direct to Toro, P.O. Box 489, Riverside, Calif., for a free analysis.

*Wind velocity 3 m.p.h. or less

TORO®

...famous for lawn mowers for over 50 years

February, 1965
NATIONAL PLAYERS' MAGAZINE
THAT BUILDS and PROTECTS
THE GOLF PROFESSIONAL's BUSINESS!

• written for and about country club golfers — its circulation tied-in with PRO-shop merchandising . . .
• which refuses advertising hurtful to the golf Professional's business . . .
• that works for the Pro during his busiest months of the year building support with club members and officials!

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