This Hardie Sprayer was bought in 1932. Jack Baker, Superintendent of the Valley Club of Montecito stated: "We've had the finest of performance from our Hardie, and with its continual use for more than thirty years, it is still in good dependable condition... I use two of the deadliest weed killers available, and with Hardie's wooden tank as part of this fine sprayer, I've never had to think about replacement. In fact, other golf courses familiar to me have replaced their spraying equipment three or four times in this same period of time because of steel tanks." 

Hardie Hi-Pressure sprayers are available in sizes from 3 to 60 gallons per minute. Pressure is adjustable from 50 lbs. for weed spraying to 800 lbs. for hand spraying greens, shrubs, etc. The Hardie Hi-Lo pressure regulator weed boom gives you quick change-over from high to low pressure, insures constant and accurate low pressure at all times, and is considered by many Golf Course Superintendents as the ultimate in boom design and performance.

Hardie manufactures a complete line of sprayers for golf courses or turf specialists that have either the famous long lasting wood tank, or the conventional interior coated steel tank. A complete selection of single and multi-nozzle spray guns for selective greens and shade tree work are also available. Write to Hardie today...

Ask for literature, a Salesman, or both... Whatever you wish.

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June, 1963
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for MAINTENANCE

FREE TURF OF DANDELIONS, PLANTAIN
E.W.T. (2, 4-D) WEED KILLER
Selective. Rids turf of dandelions, plantain, other broad leafed weeds without injuring good grass. Non-poisonous. Dilute up to 400 parts of water; spray.

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Kills bugs in and on turf. Dilute in up to 400 parts of water.

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Finishes moles; punch holes in runs and pour in. Kills gophers, too.

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HERE'S WHY: Aero-Thatch uses a completely new concept to do its important 5 turf care jobs. It is designed to cultivate the soil . . . and in doing so it displaces thatch and soil relieving compaction. Only Aero-Thatch does this because of special action of the cutting blades. Other machines (and there have been a few imitators from time to time) merely slice the soil . . . there is a vast difference between vertical mowing and cultivation as accomplished by Aero-Thatch. If you want complete turf-grass control . . . if you want the thoroughly unique, tried and tested turf-control machine . . . ask for — and get . . . AERO-THATCH . . . the only machine that does 5 turf care jobs in one operation.

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first prize which made too much of a gap between first and second money to get the PGA tournament committee O.K. . . . Tournament Committee members for some years have believed that big difference between first and second money might have fellows play off ties after arranging to split first and second money 50-50.

Japan's four islands now have more than 200 golf courses . . . Japan Times estimates number of golfers in Japan at 1,500,000 . . . Seems high to us but it depends on who you call a golfer . . . The Japanese estimate of golfers means an average of 7,500 golfers per course . . . U. S. estimates often average 1,000 players per course . . . That's probably high, considering that about half the approximately 6,600 courses (not including Par-3s) in the U. S. are at private clubs . . . About 3,700 of U. S. courses are nine-hole layouts.

John P. Bowen now sup't, Little Falls, N. Y., muni course . . . Expect to open Stanley Drabik's Cedar Ridge CC first nine at East Lyme, Conn., in fall . . . Ed Kerby in his 38th year as pro at Fairlawn CC, Akron, O . . . Stan Jacobs now pro-mgr., Mogadore GC at Akron . . . Harley

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Over 60 years of irrigation research, design and manufacturing experience is built into Skinner products of today to assure you efficient, economical golf course watering — either manual or automatic.

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HOLLOW-ROLLER DRIVE GANG MOWER

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The ultimate in gang mowing equipment — and perfection in mowing is now yours in the new Roseman Hi-Speed-Reel Mark IV Hollow Roller Drive gang mower.

The Hi-Speed-Reel of the Roseman Mark IV not only eliminates ribbed or washboard appearance but also cuts grass clippings into shorter lengths. With the new Roseman design these pulverized clippings are dispersed uniformly and evenly without windrowing and regardless of climatic conditions. Bunchings, droppings of clumps of grass and messy fairways are eliminated.

Early morning dew, watered fairways, heavy rainfalls and wet areas, no longer are a problem. Whatever the grass condition “early morning mowing” is now possible with the new Roseman Mark IV Hollow Roller Drive Mower. Beautifully cut, neat appearing fairways are the result.

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Before you take delivery on your next mower be sure and see the Roseman Hi-Speed-Reel Mark IV Hollow Roller Drive gang mower in actual use on your own course.

Buy and use the gang mower that improves turf, cuts costs and outperforms all others, at all hours of the day, in every way.

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HOLLOW ROLLER

Nation-Wide Sales and Service

June, 1963
Bowers, sports editor, Macon (Ga.) Telegraph, says that every high school in central Georgia that had four boys with sets of clubs fielded a golf team this year . . . Winter residents and tourists seem to have gone north from Florida and Arizona and elsewhere in southwest earlier than usual this year and, according to some northern pros, brought with them new clubs they bought as "close-outs" from pro shops at winter resorts.

Ballantine putting up $10,000 for Metropolitan PGA tournament at Wheatley Hills, Sept. 5-6, making it richest district PGA tourney . . . Begin building Northampton Valley GC in Northampton township area of Philadelphia . . . Eddie Ault is architect . . . Town of Greenwich, Conn., signs Robert Trent Jones to design municipal course which Greenwich expects to have in play in spring of 1964.

Leo Mallory now pro at Greens Farms GC, Westport, Conn. . . . Lexington (Neb.) GC to open its new 9-hole course soon . . . Tom Parnell, former assistant coach of football and golf at Colgate University, Hamilton, N. Y., succeeds James Dalgety as pro at the university's Seven Oaks GC . . . Dalgety retires as Seven Oaks pro after 32 years to devote all his time to

\[hey, \text{GOLFER}\]

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Sport Shoe Spray is available for resale at your club. EXCEPTIONALLY GOOD PROFIT, Write for special club house case prices. Delivery in U.S.A.
Large areas of turf grasses have been established on sandy soils, natural or man-made. Porosity and drainage are such that water runs straight through, carrying with it most of the nitrogen and other soluble nutrients. Superintendents complain that with conventional fertilizers maintenance feedings often must be made weekly.

Nitroform economy is outstanding on sandy soils because leaching is at an irreducible minimum. The insoluble particles remain in place until soil organisms release nitrogen as needed by the grass. When sands are sterile (devoid of organisms), results cannot be expected to be immediate.

Time must be allowed for microbes to build operating populations. This may be hastened by "inoculation" with organic supplements known to be rich in microorganisms.

Sandy soils that are not well aggregated hold water poorly. Soluble fertilizers have a tendency to further deflocculate, thus increasing the water and fertilizer retention problem. A significant economy of Nitroform is its ability to stimulate microbial populations which are effective in creating and maintaining stable soil aggregates. Well-flocculated soil is much more efficient in retaining moisture and nutrients, thus lengthening intervals between applications of water and fertilizers.

Nitroform is a continuing, enduring program—one that fits perfectly into modern concepts of turf grass management.
We guarantee them.

CourseMaster Radiant Flags are so superior to ordinary flags we guarantee them 3 months from date of installation — the first guarantee ever offered by a golf flag manufacturer. If these fluorescent nylon flags are damaged by weather or by vandalism or accident, we'll replace them at half price. Only Eastern Metal offers this double value: Warranty protection plus high visibility from tee to green.

FREE CATALOG illustrates the complete CourseMaster line, including Grafic-T, Fairway, Custom Club and Traffic Control Signs. Write for it.

(Continued on page 100)
Ryan SPIKEAIRE builds better turf, saves on hot weather watering

- Touch-control spiking eliminates tearing
- Loosens compacted areas, speeds fertilizer results
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- Travels on permanent transport wheels

Here’s the thorough and economical way to spike greens and lawns for better growth and appearance, even in hot, dry weather. The Spikeaire is easy to operate and transport, dependable, fast (up to 24,000 sq. ft. per hr.), and adjustable to all turf conditions. Call or write for specifications and a demonstration.

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