

# What Cost Fairway Watering System?

*There is a Fairway System for Every Club Purse!*

**W**ENDELL P. MILLER and associates have collected some interesting data on fairway watering systems from estimates based on 1930 bids by contractors and include all engineering and construction costs, and hose sprinklers, but do not allow for utilization of existing facilities.

\$12,000.00  
15,500.00

assuming an ample water supply at adequate pressure.

If you have an ample water supply at a minimum residual pressure of 50 pounds at the farthest outlet on the golf course, you can install an 18-hole hose system having a life of 10 to 15 years, or more, for twelve thousand to fifteen thousand, five hundred dollars.

\$15,000.00  
18,500.00

includes pressure pumping plant, manual control.

If you do not have ample water at suitable pressure, but do have an ample source of water, add three thousand dollars to above for a manually controlled pressure pumping plant.

\$17,500.00  
21,000.00

includes automatic pumping plant.

Permanent construction fifty years, or more. Eighteen-hole hose system. Does not include tees and greens. Add \$6,000 to \$10,000 for a California Hoseless Fairway System.

\$22,500.00  
25,000.00

includes automatic pumping plant.

Permanent construction. Eighteen-hole hose system including hoseless tees and greens—low operating cost for labor. Add \$6,000 to \$10,000 for a California Hoseless System.

\$23,000.00  
25,500.00

includes automatic pumping plant.

Miller "One-Man" Hoseless Fairway System, including hoseless tees and greens. Very low operating cost. Permanent construction.

\$28,000.00  
35,000.00

includes automatic pumping plant.

Complete California Hoseless Fairways, Tees and Greens, with automatic Pumping Plant. Eighteen holes. Permanent Construction. Very efficient coverage.

The above figures do not include cost of electrical transmission lines; wells, well pumps, reservoirs, meters; nor tee and green construction, except where so stated; and are based upon a compact course layout and tight soil. If your course is rambling, or if you have a loose subsoil or surface soil having a low water holding capacity, your irrigation system may cost from 10 to 20 per cent more than the estimates given.

## MAKESHIFTING

If funds are inadequate, you can accomplish a good deal by makeshifting. With careful engineering you can makeshift without ultimate abandonment of either effort or materials. Home designed makeshifts invariably result in abandonment of materials and equipment.

There is a wide range of alternative design and construction which permits almost any club (with the will to do) to install carefully engineered fairway watering.

## BUCKNERS Make It A ONE-MAN JOB

Labor is the greatest expense that any country club assumes. With Buckner Sprinklers on the job one man can do a better job of irrigating the course than half a dozen can do with ordinary methods. It's genuine economy to install

## BUCKNER SPRINKLERS

They will pay for themselves in a couple of seasons. And club members will certainly appreciate the splendid condition of fairways and greens, due to the superior efficiency of the Buckner system in maintaining spring-like grass growth the season through. Get the facts.

**BUCKNER MANUFACTURING CO., Fresno, Cal.**

*Special Representatives*

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*Eastern Engineering Representative*

**WENDELL P. MILLER & ASSOCIATES**  
Columbus, Ohio Chicago, Illinois

## THE PEERLESS MOWER SHARPENER

The Peerless Mower Sharpener is a wonderful but simple invention that sharpens all makes of Power and Hand Lawnmowers, scientifically—quickly—perfectly; does the work as nothing else can. It grinds a perfect bevel and clearance—no more hard-running mowers—no more pulling and tearing of turf. Operated by 1-3 H. P. Motor—attach it to your lamp socket.

Special Grinding Wheel Attachment for sharpening grass shears, sickles, scythes, axes, etc. Skate Sharpener attachment sharpens all makes of skates—including hockey. Earns money all the year 'round. Will save its cost the first season.



Hundreds of Golf Clubs, large and small, now use the Peerless Mower Sharpener.

**The Fate-Root-Heath Co.**  
925 BELL STREET  
PLYMOUTH OHIO

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