



# The Pinehurst Outlook

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(Founded by JAMES W. TUFTS.)

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**SATURDAY, DECEMBER 19, 1903**

THE "AUTO-CHRONOGRAPH" is a simple device that is claimed by M. Maurice Espagnet to solve the problem of measuring the speed of automobiles with great accuracy. It consists of a time recorder with tape moved by clock-work, a stylus that is made to mark on the tape by one electromagnet and is pulled away by the second, and two contact-bands in an electric circuit with the magnets. In use the contact-bands are placed across the tract at a distance apart of a kilometer or a mile. When the vehicle presses one band the first magnet forces the stylus against the tape, causing a continuous line to be made on the moving ribbon until the stylus is withdrawn as the passage of the second band energizes the second magnet. The length of the line drawn shows the time to the fiftieth of a second or less.

AN ESTIMATE of the water-power used for generating electricity has been made by a German engineer. Germany and Austria thus utilize 180,000 horse-power; Switzerland, about 160,000; Sweden, 200,000; and the United States, 400,000. The total available power in Sweden is placed at 2,000,000 horse-power; that of France, at 10,000,000; that of Germany, Austria, Switzerland and Italy together at 10,000,000; while in the United States Niagara alone could furnish 10,000,000.

SOME OF the giant Sequoias of Southern California are estimated to be from 5,000 to 8,000 years old, having perhaps spanned the entire period of written history. A section in the American Museum of Natural History, cut from one of these trees at a height of twenty feet, is more than eighteen feet in diameter, and its concentric rings show that it began its growth in 550 A. D. This would give the tree a diameter of thirteen feet at the time of Columbus' landing.

IN ONE HUNDRED analyses of the air on Mont Blanc's summit not a single microbe was found, although they were plentiful in the observatory. The number showed a steady increase in descending the mountain.

## TRAP SHOOTING EVENTS.

Tournament Programme is One of Ex-  
ceptional Interest.

Magautrap, Tower Trap and Experts  
Will Be Brought Into Use--A  
Championship Shoot.

The equipment of the trap shooting grounds of the Pinehurst Gun Club is now complete, including not only the new Magautrap and the familiar expert traps, but a decidedly unique innovation in the shape of a Tower trap. This feature was added late last spring and the interest shown in it was conclusive proof that the innovation is to be a permanently popular one.

The seasons tournaments which begin January seventh, are varied and of exceptional interest, culminating with a

February 18.—Fifty targets, ten each, right, left, unknown, overhead, doubles; Tower trap—scratch.

February 25.—One hundred single targets; Magautrap—handicap.

March 3.—Thirty single targets, Magautrap, thirty single targets, Tower, unknown angles; handicap.

March 10.—One hundred single targets; Expert traps—handicap.

March 17.—Thirty single targets, fifteen doubles; Magautrap—handicap.

March 24.—Fifteen doubles, Tower trap; fifteen doubles, Magautrap; handicap.

### ANNUAL PINEHURST GUN CLUB CHAMPIONSHIP TOURNAMENT.

March 31.—One hundred single targets; Magautrap.

April 1.—One hundred single targets, Expert traps.

April 2.—One hundred single targets, twenty-five each, right, left, unknown, overhead; Tower trap.

All events in the Championship Tournament will be shot from scratch.



HOLLY INN GOLFERS.

Championship shoot at the close. In addition to the fixed program there will be many informal shoots and "sweepstakes," and contests for women. The trophies are beauties.

The traps are available for sportsmen at all times on due notice at the Pinehurst General Office, and visitors are already enjoying informal shoots.

The seasons full program of stated events is as follows:

January 7.—One hundred single targets, known traps, unknown angles; Expert traps—handicap.

January 14.—Fifty single targets, ten doubles; Magautrap—handicap.

January 21.—Fifty targets, ten each, right, left, unknown, overhead, doubles; Tower trap—handicap.

January 28.—One hundred single targets, known traps, unknown angles; Expert traps—scratch.

February 4.—Thirty single targets, ten doubles; Magautrap—handicap.

February 11.—Fifty single targets, fifteen doubles; Expert traps—handicap.

### Quail in a Dooryard!

A covey of quail are frequently seen during the hours of the early morning in the shrubbery in the immediate vicinity of The Harvard. They are quite tame and evidently aware of the fact that they are safe from gunners and dogs.

### Holy Communion Sunday.

The order of the Episcopal and Union services in the Village Hall will be reversed to-morrow, the Episcopal service being held in the morning and the Union service in the afternoon.

Holy communion will be celebrated at ten o'clock followed by morning prayer and sermon at eleven.

The Union service will be held at four o'clock.

### Boys Club for Pinehurst.

Pinehurst has a Boys Club, organization of which was perfected at Village Hall last night. Details will be printed in next weeks OUTLOOK.

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