

MAGNET SWEEPER PICKS UP NAILS

State Operates Road Magnet to Remove Trouble Makers

SALEM, Nov. 15, (AP)—Motorists who stop at the side of the paved highways to fix punctured tires often pick up other punctures before they leave the spot.

This theory is advanced by R. H. Baldock, assistant state highway engineer, after watching for two years the results of operation of the state's magnetized highway sweeper. Tacks, nails, wire and other sharp materials that drop upon the highway are easily swept or flicked off the pavement by passing cars, but when they reach the rough shoulders, they stick there to be picked up by the tires of cars that are halted at the roadside.

The magnet road sweeper—and the state has only one of them—has proved a big success in two years it has been used, Baldock says. In 1929 it picked up metal objects from the highways weighing a total of 13,870.5 pounds, and by far the greater part of this was from the rough edges of the improved highways.

The magnet sweeper was built by the department, although it does not claim credit for the invention. This belongs to an Idaho engineer. The sweeper is mounted on a one-ton truck and provided with a lifting mechanism so that it can be raised clear of all obstructions when the magnet is not in operation. The current is furnished a 110-volt, 30 ampere compound generator with a field rheostat. A double throw switch is used in order to change the polarity of the current occasionally. At a distance of three inches from the ground the magnet has a lifting power of about 200 pounds. The whole cost of the outfit, including the truck, was about \$2,000.

Two men are required to operate the machine, and the total average daily expense is about \$30, or 50 cents a mile traveled. It has been found that an operating speed of six miles an hour gives the best results. The machine operates continuously, in the summer over the road, and in the winter in the milder climates of the state.

On one occasion a container full of tacks that was being carried on a truck sprung a leak. Tacks were sown over a state highway for a distance of several miles before the leak was found. Motorists were helpless. Dozens were stopped with flat tires. The magnet sweeper, which happened to be in a nearby district, was sent for. It picked up the tacks at one swoop.

Cloverdale

CLOVERDALE, Nov. 15—Mr. and Mrs. Clayton Rogers of Portland were guests of Mr. and Mrs. George Sherman Sunday.

Mrs. J. Craig of Independence is a guest of her sister, Mrs. M. Garner, during this week.

Miss Helen Dumbeck, who is making her home with Mr. and Mrs. F. Dumbeck while teaching at Illahes school, spent Sunday at the home of her parents in Albany.

Rev. Gilstrap of Turner made several calls here Tuesday.

Mr. and Mrs. A. E. Presnell and William McKinney of Salem spent Armistice day with Mr. and Mrs. John McKinney. While here they helped install a radio.

Mr. and Mrs. F. Dumbeck and son, Arnon, called at the homes of Mrs. Mary Kerr and son, Cecil, of Seio and Mr. and Mrs. E. L. Ashford of Jefferson Sunday.

Mr. and Mrs. Fred Brown entertained Mr. and Mrs. E. Brown of Portland the first of the week. They and their guests spent Armistice day in Salem at the home of Mrs. Chase, a niece of Fred Brown. The Browns returned to their home in Portland Thursday. Mr. and Mrs. J. Miller of Salem spent Armistice day at the home of Mr. and Mrs. F. Dumbeck. Mr. Miller has been employed at the penitentiary the past 20 months.

F. Fisher of Shaw called at the home of Mr. and Mrs. F. Schampler Sunday.

Monmouth

MONMOUTH, Nov. 15—Polk county teachers institute at Dallas this week was largely attended by Monmouth educators, the training school being closed Thursday and Friday to enable critic teachers to attend in a body.

Next weekend will be Homecoming at the Oregon Normal school and plans are now under way to make this a big event on the school's calendar. A high light of the period will be the football game Saturday afternoon with the squad from Eastern Oregon Normal school.

Monmouth Bebebebs are inviting the public to attend a box social to be held in the Odd Fellows hall Thursday evening, November 20. Ladies are invited to bring boxes. Proceeds are to benefit the lodge treasury.

Roy McClure Miller, teacher of violin at Monmouth, accompanied by Mr. and Mrs. A. C. Powers and daughter Barbara Jane attended the Fritz Kreisler concert in Portland Friday evening. Miss Powers has been a pupil of Mr. Miller for several years and is one of the popular local musicians of Monmouth high school.

Mrs. N. A. Nelson and daughter Juanita and son Melford are on a brief motor trip to Tacoma and nearby points. They will there visit Mr. and Mrs. Robert Melson; and at Stellacoom will be guests of Mr. and Mrs. H. M. Stiles and family. Mr. Stiles, now educational expert at the federal prison on McNeil Island, was formerly a member of the teaching staff of the Oregon Normal school.

IF PAUL REVERE HAD DRIVEN A CAR



He wouldn't have made any better time today than he did on his horse in 1775. The answer was worked out by Sergeant Robert D. Rhodes and P. J. Malarney of Boston is found in heavy traffic, stop lights and motorcycle cops. Sergeant Rhodes, impersonating Paul Revere at recent ceremonies commemorating the event, made the trip on horseback. Malarney, driving an Oakland Eight, traveled the same route in the same time, after threading his way through traffic. The photograph shows the Oakland Eight at house in Lexington where John Hancock and Samuel Adams were sleeping when aroused by Paul Revere. The inset is Sergeant Rhodes.

Amity

AMITY, Nov. 15.—Edna Strout spent Saturday afternoon at Salem.

Lee Dechne underwent a minor operation on his hand for blood poisoning.

Robert Rosenbalm has recovered sufficiently from his appendicitis operation to be removed from the McMinnville hospital to his home Wednesday evening.

Bobby Warner, son of Mr. and Mrs. Dwight Warner underwent an operation for rupture Tuesday at the McMinnville hospital. He is reported to be improving.

Mr. and Mrs. Stanley Allison and family of Goldendale, Wash., visited during the week with his father J. P. Allison.

Joe Burns received word that his mother, Mrs. Arp of McMinnville passed away Wednesday evening.

Dr. S. A. Roe and children, Zelma and Melvin of Lewiston, Idaho, were Wednesday dinner guests at the home of Mr. and Mrs. Earl Massey.

Mr. and Mrs. Richardson are spending the week at Florence,

Road Building is Aid to Employment

How much of the highway dollar goes to labor?

According to calculations of the Iowa highway commission, more than half of the money spent on road building goes to the workmen in that state.

The commission's figures emphasized that road building as an outlet for unemployed men is not a mere theory. Considering the average paving job, a force of 40 to 60 men is needed, depending on the locality, for each paving outfit. In addition, considerable labor is needed for grading and bridge building. The total outfit for labor represents 52.34 per cent of the cost of the pavement, on the basis of the Iowa statistics.

Mr. and Mrs. Edwards and niece of Portland spent Sunday visiting with Mr. and Mrs. L. B. Naim and family of this district.

Will Dorman of this district is just completing work on a concrete basement for his home.

Mr. and Mrs. I. C. Davis and daughter Betty Ann who have been living on the Moore place, are moving to McMinnville to take charge of a 230 acre farm.

Mrs. Omar Bartruff and infant daughter are visiting with Mrs. Bartruff's mother at Independence. They expect to be gone a couple of weeks.

visiting the B. E. Medley family.

H. C. Broadwell of Glaston, A. Broadwell home.

Hollywood

HOLLYWOOD, Nov. 15—Mrs. Dan Muir of Starr City, Canada, has been called to the bedside of her mother, "Grandma" Brown, who is still very ill. Mrs. Muir is a sister of Mrs. W. M. Davis of this district.

Who says Hollywood is behind the times? With the completion of the installation of a septic tank, A. Lenhardt of this district will have every convenience of the city—including electricity and gas, with country air and freedom.

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Hubbard

HUBBARD, Nov. 15—Florence Shipp of Salem, Woman's Relief Corps Department Inspector, will inspect the General Busk No. 39 Woman's Relief Corps here November 24. A one o'clock luncheon honoring her will be held in the dining room of the I.O.O.F. building by the members of the corps.

Mrs. Coble de Lespinasse is ill at her home. She is under the care of Dr. Edward Schoor. Most of the farmers in this vicinity have finished the fall plowing and seeding.

T. J. Wagner and his son Charles Wagner were guests at the Orlio Boje home this week. They

are Mrs. Boje's father and brother. Her father, T. J. Wagner lives at DelLake and her brother Charles is now at Albany.

Mr. Boje's father, Henry Boje, of Ashland is spending the winter at his son's home. He is taking treatments at the Hubbard mineral springs.

Sunday dinner guests at the Waldo F. Brown home were Mrs. Brown's sister, Mrs. Walter Sapulding, and daughter, Leone, from Salem, and her mother, Mrs. Nora Miller from Portland.

Mrs. H. C. Mack went to the Good Samaritan hospital in Portland Thursday where she is under observation pending a major operation.

Week-end guests at the Russell C. Painter home were his uncle, E. G. Hufford of Hillsboro, and

his cousin, George Hufford, an artist in Chicago. George came west to be at the bedside of his mother, whose death occurred recently.

P. D. Ott of Hebo is a guest at

the home of his sister, Mrs. Russell C. Painter. Mr. and Mrs. A. R. Bevans and daughter, Miss Anita Bevans accompanied by Melvin Mitts, are spending a few days at Neskowin.

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