

### Engine Trouble Often Traced to Improper Oiling

Autoists Should Use Lubricant Prescribed by Design—Motors May Run 25,000 Miles With Care.

It is unfortunate that a great many owners receive the wrong information regarding engine lubrication, and thereby remove many months of useful life from the engine and many extra dollars from their pockets. Imagine a combination of extremely fine fitted parts working at very high speeds and trying to do this work for hours and days and even years. Imagine a crankshaft bearings, fitted to a fraction of one-thousandth of an inch, having to bear loads of many tons, trying to give a good account of itself with a volume of dirty, gritty, old oil passing over it. All interior engine parts are fitted more accurately than many parts in a high grade watch. Pistons and rings, camshaft bearings, connecting rod bearings, etc., all are worked to close limits, and in order that they live long and run quietly during life they must always be well lubricated with the right kind of oil.

The selection of the right brand and grade was taken up in a previous article. The grade of oil should not be changed except for violent atmospheric changes—that is to say, summer and winter in most states. Without exaggerating, I believe that half the owners of automobiles change from a light or medium oil to a heavy engine oil when the engine is assumed to be getting old. I know many owners who do this after the first year, and others who wait a little longer. An engine should never take any other grade of oil than the one called for by the design, and this grade should never be changed except as needed.

### Burroughs' Last Message Came to Omaha

Was 84th Birthday Greeting to Every Child's Magazine Published Here.

Omaha is the recipient of the last message of John Burroughs, noted naturalist, who died last Tuesday. This message was sent to the Every Child's Magazine Audubon society, which is composed of the readers of Every Child's Magazine, published in Omaha by Miss Grace Sorenson.

John Burroughs was to be 84 years old Sunday. And his last message was a birthday message which he entitled, "The Joy of Living."

It will appear in the April issue of Every Child's Magazine, which comes off the press this week. Here is his message:

"To my dear young friends of the Every Child's Magazine Audubon society:

**Time Draws Near.**

"As the time draws near for my 84th birthday, I look back down the long road of years and think what a good journey it has been. "If I could live twice as long, I could not exhaust the beauties and wonders of this best of all possible worlds.

"All my life I have been trying to find out what I could about this big globe of ours swimming through space, and about its inhabitants, human and otherwise, and this knowledge has helped to make me feel at home on our planet.

"I hope each of you will learn to feel at home on this planet, and have as happy a life as mine has been, and you can do this, if you will live the simple life, avoid tea and coffee and tobacco and alcohol, and if you will learn the biographical value of love and good-will toward all things both great and small.

"Your friend, John Burroughs, La Jolla, California."

In the same issue of the magazine appears a tribute to John Burroughs

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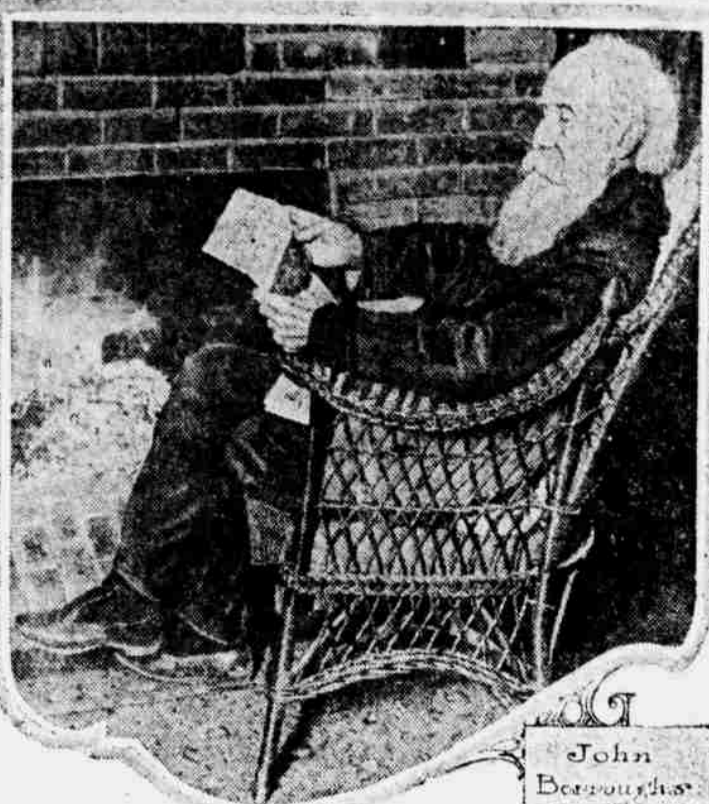
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John Burroughs

under the heading, "Burroughs and the Children," written by Albert E. Stillman, editor of the Audubon department of the magazine, who is at present in San Diego, Cal.

Editor Stillman's tribute follows: One of the most beautiful sides of the character of John Burroughs is his fondness and love for children. He is never happier than when surrounded by his young friends, and the more the merrier, and this feeling is returned on their part, for they all love Burroughs. His home at Riverby is visited by hundreds of boys and girls, especially during the summer months when nature is at her best, and he can roam with them through the woods and fields.

"On his birthday the naturalist receives thousands of messages; many representing entire classes or whole buildings of school children. Mr. Burroughs never neglects the children's letters. Dr. Clara Barrus, his secretary, endeavors to send a letter of thanks to each admiring young friend. For several days before his birthday the postoffice at the little village of West Park is swamped with work, and the postmaster is forced to throw up his hands when his helpers bring in mailbags the letters from boys and girls.

**Honored by Children.**

"April 3d is celebrated each year by the school children of West Park in honor of the distinguished naturalist and poet, John Burroughs. Early in the morning they visit the woods and sun-warmed hillsides in search of pussy willows, hepaticas, arbutus, bloodroots and other spring-time flowers. After gathering armfuls of the fragrant blossoms, the merry throng make their way to the village school to decorate the photograph of their good friend with graceful branches of pussywillows. Then the flowers are arranged into attractive bouquets.

"When special exercises composed of singing, recitations and readings from Mr. Burroughs' writings are over, the children march in a long procession to Riverby, and enter his gate; the boys carrying large American flags, the girls bearing their love offerings of wild flowers.

**Greeted by Friend.**

Arriving at the Burroughs home, the happy children are greeted by their genial friend, and invited to watch him sugar off. The naturalist visits the maple trees on his birthday to draw the sap, and boil it in a huge iron kettle over an open fire. After watching the interesting process of sugar-making, and eating their fill of the delicious sweets at the birthday feast, the naturalist's young friends are entertained with stories of birds, flowers, animals, insects and other outdoor life, gathered through the many years of his study of the wonders to be found in God's out-o'-doors.

George Salkeld Smith, 12, member

of the Audubon society and reader of the magazine, also has a story in the April issue of the magazine, in which he describes an automobile ride he enjoyed with the famous naturalist.

The Smith boy's story follows: Dear Boys and Girls:

"I feel as if I were acquainted with you, and you with me, because Mr. Stillman has often told you about my field work with him, and of the many happy days we have spent together in the woods and fields.

"It has been lots of fun to hunt for birds' nests, and help Mr. Stillman photograph the cunning baby birds, so that the boys and girls who read Every Child's magazine, as well as several popular eastern publications, may learn about the habits of owls, wild canaries, hummingbirds, orioles and other birds.

**Gathers Berries.**

"So I want to tell you about a lovely afternoon we spent with John Burroughs, when Daddy took me for a long automobile ride, and I talked with the great naturalist about the birds and seals and trap-door spiders.

"When we reached Mr. Burroughs' home, Dr. Clara Barrus, his secretary, led us to the library. There we found the dear old man

seated in front of the fireplace, where he could watch the seals at play on the rocks and study the sea-gulls and pelicans as they fished in the breakers but a few rods away.

**Barks Like Dog.**

"Mr. Burroughs shook hands with me, and said he was glad I had come over to see him. After looking at Mr. Stillman's photographs of birds and animals, he began talking about seals and their habits. He said he had named these hair-seals "the hounds of the sea" because they bark like dogs. Then he took a walk with me, and we watched the seals out in the ocean, and laughed when they barked at each other. While we stood under a large palm growing near the house, Daddy took some pictures for us.

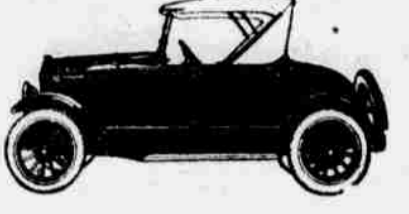
"Before we left for a ride to the top of Mount Soledad, Mr. Burroughs introduced us to Ursula Burroughs, his granddaughter, and Dr. Barrus' two nieces. Then we all got in our big car, and Daddy drove up the steep side of the mountain, which the naturalist climbed last year.

"As we rode along Mr. Burroughs told us how he trapped spiders at La Jolla. I grew very interested and talked with him about my experiences with trap-door spiders and of how I had found a rare trap-door

spider's nest for Mr. Stillman—a nest with two doors. I had to laugh when he called them little brutes, because of their power and their strength. And when he told how he tried to open a door with the blade of his knife and the spider held it so tight with her fangs, he feared he would break the blade. I couldn't help laughing aloud, because I have had just the same experience with these spiders.

As we drove through the valley on our homeward journey I saw a large hawk flying over our heads, with a poor little bird clutched in its powerful claws. Mr. Burroughs looked at the hawk, and told me about its habits.

When it was time to say good by to Mr. Burroughs, I told him how much I had enjoyed being with him, and that I wanted to be a naturalist like himself when I grew up. Then he patted me on the head, and said, "All that I ever had, and still have, may be yours by stretching forth your hand and taking it."



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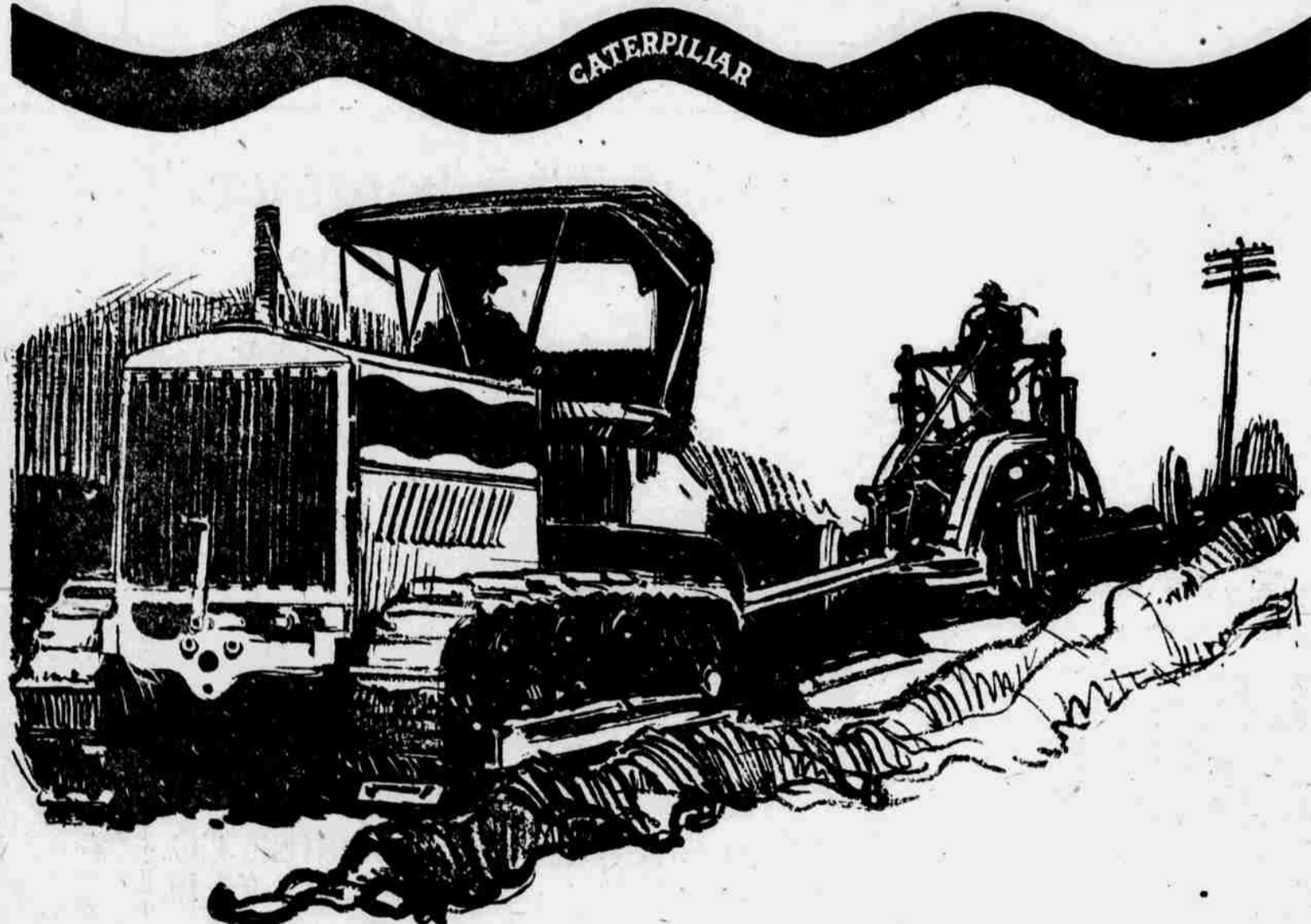
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