

An Electric Boat.

At a ship yard in South Brooklyn there lies awaiting the finishing touches to her machinery a boat designed to run by kerosene. She is 100 feet long, about 25 feet beam and draws 4½ feet. The machinery consists of a couple of pipes 10 feet long and 20 inches in diameter, which lie in the after part of the boat parallel with its sides, below the water line, one end of each pipe opening into the water just where the screws of a twin screw steamer would be. There is a valve which closes the end of these pipes when desired. At the other end of the pipes is an apparatus called an inspirator. This inspirator is connected with a tank of oil and with the two tubes mentioned above, and its function is to throw a very fine spray of a few drops of oil into the tubes. Then there is at the front of each tube, where the spray of the oil is thrown, an apparatus to make an electric spark. This is all there is to make the boat go. When she is at anchor the tubes may be full of water if the rear valves are not closed. In that case the engineer closes them and draws the water into the bilge; and then air from the cabin comes in through the top of the tubes. Then everything is ready for a start. The inspirator throws a spray of oil into the front end of the tubes, the electric spark sets fire to the sprays and an explosion takes place, simultaneously the rear valves are opened and the gas generated by the explosion drives all the air in the tubes with great force out of the tubes against the water. Then the boat begins to move. More air from the cabin flows into the tubes; more oil comes from the inspirators; more sparks from the battery, and the boat continues to move. The explosions occur alternately in the two tubes and at the rate of seventy-five per minute in each tube, and so the boat goes steadily ahead. To diminish the speed, change the quantity of oil delivered by the inspirators so that the explosion will be of less force; to stop, shut off the oil and the battery; to go astern, shut the rear gates in the tubes and open others at the forward end of two branches of the tubes which project diagonally forward and out of the sides of the boat, so that the force of the explosion will be exerted against the water alongside, but in such a manner as to give a sternway thrust. Twelve or fifteen gallons of oil and a very little electric energy will run this boat all day, and sixteen knots an hour is an easy speed to attain. Much greater speed is possible. To work the boat at less speed by steam an engine with a twelve-inch cylinder would be required, and the furnaces under the boiler would burn about two tons of coal a day, for the boat is about seventy tons measurement. No fireman, oilers or coal heavers are needed, nor would there be on an ocean steamer built on the same principle.

Discriminating Benevolence.

From the Chicago Tribune.

Solemn-Dozing Stranger—Sir, I am raising a fund for the purpose of instructing the poor little negroes and boot-blacks in palaeontology and differential calculus. I am sure—Busy Merchant (without looking up)—I've no time to listen to you, sir. Here's a dollar. Lady (timidly, some moments later)—I am soliciting money, sir, to pay the expenses of a substantial Christmas dinner for the poor of the city—the new-boys and boot-blacks—Busy Merchant impatiently—Madam I contributed a dollar not five minutes ago for the benefit of those boys. Good morning.

An Historic Axe.

From the Times.

Aged Negro—I is gwine on er hundred an' en years old. Interested Listener—Indeed? Then probably you can recollect as far back as the first acts of Congress. Aged Negro—Yes, sah; I remember all 'bout de first axe uv Congress. I ot ter recollect it, because I've cut wood 'id it when I was 'bout so high; yes, sah; dat was before you was bawn, sah; you'er nice—kin' geman, sah; an' can't you give de poor old man er nickel?

What on Earth.

Is the reason people will not, cannot, or do not see any difference in cheap nostrums put up by cheap John houses or irresponsible parties, is because of world-wide reputation and one that is giving universal satisfaction at equal price. No medicine in the world is giving such universal satisfaction for purifying the blood as BROWN'S BLEND PURIFIER. A BLOOD-PAK, and every bottle that does not do work will cost you nothing. E. J. Donahoe, Druggist.

An Indiscreet Lover.

From the Lincoln Journal.

Chicago Girl (playfully)—Will, if I were to observe the old childish custom of hanging up a stocking, and you were Santa Claus, what would you give me? Will (indiscreetly generous)—A splendid mansion, with a lawn and fountains and rare plants and beautiful arbors—He is still wondering why she treats him with cold disdain.

Cough! and Cough!! and Cough!!!

What is the reason you will cough, and keep coughing, and still keep trying inferior medicines when BROWN'S CHERRY COUGH SYRUP will positively relieve your cough at once? This is an advertising scheme, but an actual fact, and we guarantee it. E. J. Donahoe, Druggist.

Mr. Isaac Pyle ran for sheriff of Rock land county, New York. His numerous friends made merry with his name by prefixing to it, instead of Isaac, such good things as "mince," "pumpkin," "apple" and "oyster," and several wrote there "mud." Now Pyle is enraged because he is beaten, and the jokes did it. He thinks there is such a thing as being too infernally funny.

Though on pleasure bent he has a frugal mind. Mr. Depew takes pains to decline an \$800 place in the Cabinet, but admits that he would take a \$17,000 mission.

The Georgia Legislature has just appropriated an extra \$500,000 to the public schools.

HOME OFFICE.

Columbia Fire & Marine Insurance Company
Portland, Oregon.

OFFICERS.

FRANK DEKUM President.
W. K. SMITH Vice President.
J. A. CHILD Secretary and Manager.

DIRECTORS.

D. P. THOMPSON Portland, Oregon
FRANK DEKUM Portland, Oregon
W. K. SMITH Portland, Oregon
JOHN DONNERBERG Portland, Oregon
JACOB WORTMAN McMinnville, Oregon
R. M. WADE Portland, Oregon
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W. B. HONEYMAN Portland, Oregon
GEORGE H. WILLIAMS Portland, Oregon
E. S. KEARNEY Portland, Oregon
WALTER F. BURRELL Portland, Oregon
SAM P. STURGIS Pendleton, Oregon
T. L. CHARMAN Oregon City, Oregon
JOHN A. CHILD Portland, Oregon
JAMES F. WATSON Portland, Oregon
W. H. WALKER Portland, Oregon
ASAHEL BUSH Salem, Oregon
H. THIELSEN Portland, Oregon
GEORGE B. MARKLE, Jr. Portland, Oregon
W. T. WRIGHT Union, Oregon
R. L. DURHAM Portland, Oregon
CHAS. A. ALISKY Portland, Oregon
L. W. CASE Astoria, Oregon
J. E. SMITH Portland, Oregon

READ THIS!

It is of interest to Every
Taxpayer in Oregon.

DEAD SIR:

Would say in reply to yours of even date that the sum of \$77.00 paid to me by the Columbia Fire and Marine Insurance Company, of Portland, Oregon, for School Tax in District No. 1, represents more money than paid to this office by all the Foreign Insurance Companies doing business in this city.

FRED A. DALY,
School Clerk District No. 1.

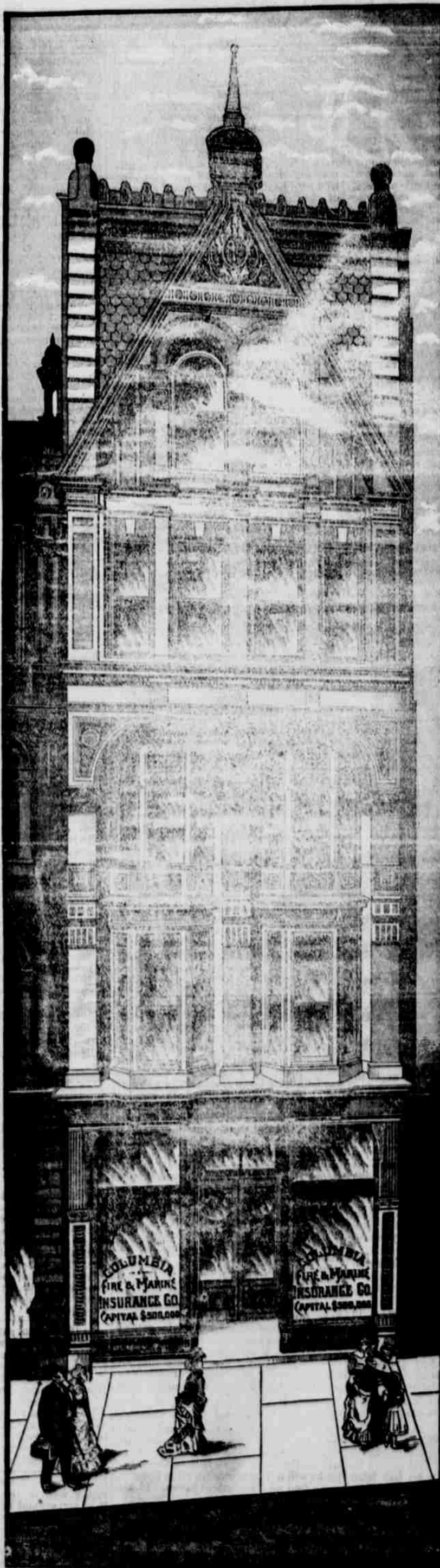
THIS PROVES OUR ASSERTION

That to protect yourself you should give your Insurance to the Columbia Fire and Marine Insurance Company, of Portland, Oregon—organized under the laws of Oregon. Has a guaranteed capital of \$500,000 for your protection, which is ten times the amount of deposit required of Foreign Companies, who pay NO taxes, and SEND ALL THE PROFITS OUT of the State, thereby increasing your taxes. Think of this and give our Company a part of your INSURANCE.

Yours, respectfully,
JOHN A. CHILD, Secretary.

Office: Second St. Next Door to Child's Drug Store

Subscribed Capital, \$500,000.



LIST OF STOCKHOLDERS

Columbia Fire and Marine Insurance

Of Portland, Oregon. Capital Stock, \$500,000.

D. P. Thompson, President Commercial National Portland, Oregon.
Frank Dekum, Pres. Portland Sav'gs Bank, Portland.
W. K. Smith, Vice-Pres. Ainsworth Nat'l Bank, Portland.
E. S. Kearney, Capitalist, Portland, Oregon.
Jacob Wortman, Pres. First Nat'l Bank, McMinnville.
R. M. Wade, Vice-Pres. Knapp, Burrell & Co, Portland.
John Hale, Railroad Contractor, Palace Hotel, S. F.
R. M. Steele, Capitalist, St. Johns, Mich.
C. A. Dolph, Attorney-at-law, Portland, Or.
John Donnerberg, Plumber, Portland, Or.
John B. David Northwest Coal and Transfer Co, Portland.
W. B. Honeyman, Capitalist, Portland, Or.
J. E. Smith, Contractor, Portland, Or.
A. H. Breyman, Pres. First Nat'l Bank, East Portland.
John Sommerville, Merchant, East Portland, Or.
G. P. Rummelin, Furrier Merchant, Portland, Or.
John A. Honeyman, Honeyman Bros' Foundry, Portland.
Geo. H. Williams, Ex U. S. Atty Gen'l, Portland, Or.
C. C. Beckman, Banker, Jacksonville, Or.
Walter F. Burrell, Capitalist, Portland, Or.
S. P. Sturgis, Cashier First Nat'l Bank, Pendleton, Or.
T. L. Charman, Druggist, Oregon City, Or.
H. H. Northrup, Attorney-at-law, Portland, Or.
John A. Child, Druggist, Portland, Or.
James F. Watson, Attorney-at-law, Portland, Or.
Virginia Watson, Portland, Or.
Frederick Bickel, Capitalist, Portland, Or.
Staver & Walker, Agricultural Implements, Portland.
Levi Ankney, Pres. First Nat'l Bank, Walla Walla, W. T.
W. H. Stine, Cashier First Nat'l Bank, Walla Walla, W. T.
A. R. Buford, Asst. Cashier First Nat'l Bank, Walla Walla, W. T.
I. K. G. Smith, Merchant, Portland, Or.
J. S. White, McMinnville, Or.
Charles B. Durhkoop, Manufacturer, Portland, Or.
J. C. Moreland, Attorney-at-law, Portland, Or.
Louis Sohn, President First Nat'l Bank, Vancouver.
R. L. Durham, Cashier Commercial Nat'l Bank, Portland.
S. A. Durham, Washington county.
Mary B. Spiller, Eugene City, Or.
C. A. Alisky, of Alisky, Baum & Co, Confectioners, Portland.
Asahel Bush, Banker, Salem, Or.
H. Thielson, Director Oregon National Bank, Portland.
H. E. Johnson, Banker, Walla Walla, W. T.
H. C. Allen, with Snell, Heitshu & Woodard, Portland.
Geo. B. Markle, Vice Pres. Oregon Nat'l Bank, Portland.
E. I. Eastham, Manager Bank of Oregon City, Oregon.
H. C. Stevens, Railroad Agent, Oregon City, Oregon.
W. T. Wright, Cashier First National Bank, Union, Or.
L. L. McArthur, U. S. District Attorney, Portland, Or.
Bamford Robb, Grain Dealer, Pomeroy, W. T.
C. E. Smith, Capitalist, Portland, Or.
S. G. Grandall, Cashier First Nat'l Bank, Pomeroy, W. T.
E. E. Canby, Cashier First Nat'l Bank, Vancouver, W. T.
I. W. Case, Banker, Astoria, Or.
Clopton & Jackson, Insurance Agents, Pendleton, Or.
John Wortman, Cashier First Nat'l Bank, McMinnville.
H. C. Wortman, Asst. Cash'r Com'l Nat'l Bank, Portland.
W. H. McCoy, Druggist, Spokane Falls, W. T.
Rufus Mallory, Attorney-at-law, Portland, Or.

Subscribed Capital, \$500,000.

Clopton & Boyd, Agents, East Oregonian Building, Pendleton,