

**BOWLDER TRANSPORTATION.**  
Some Striking Examples of the Workings of the Ice Age.

An immense area of the northeastern states, extending south to New York, and then westward in an irregular line to Cincinnati and St. Louis, is almost wholly covered with a deposit of drift material, in which rocks of various sizes are imbedded, while other rocks, often of enormous size, lie upon the surface. These blocks have been carefully studied by the American geologists, and they present us with some very interesting facts. Not only are the distances from which they have been transported very great, but in very many cases they are found at a greater elevation than the place from which they must have come.

Professor G. F. Wright found an enormous accumulation of bowlders on a sandstone plateau in Monroe county, Pa. Many of these bowlders were granite and must have come either from the Adirondack mountains, 200 miles to the north, or from the Canadian highlands, still farther away. This accumulation of bowlders was 70 or 80 feet high, and it extended many miles, descending into a deep valley 1,000 feet below the plateau in a nearly continuous line, forming part of the southern moraine of the great American ice sheet.

On the Kentucky hills, about 12 miles south of Cincinnati, conglomerate bowlders containing pebbles of red Jasper can be traced to a limited outcrop of the same rock in Canada, to the north of Lake Huron, more than 600 miles distant, and similar bowlders have been found at intervals over the whole intervening country. In both these cases the bowlders must have passed over intervening valleys and hills, the latter as high or nearly as high as the source whence the rocks were derived.

Even more remarkable are numerous bowlders of Heidelberg limestone on the summit of the Blue Ridge in Pennsylvania, which must have been brought from ledges at least 500 feet lower than the places upon which they now lie. The Blue Ridge itself shows remarkable signs of glacial abrasion in a well defined shoulder marking the southern limit of the ice (as indicated also by heaps of drifts and erratics), so that Mr. Wright concludes that several hundred feet of the ridge have been worn away by the ice.

The crowning example of bowlder transportation is, however, afforded by the blocks of light gray gneiss discovered by Professor Hitchcock on the summit of Mount Washington, over 6,000 feet above sea level, and identified with Bethlehem gneiss, whose nearest outcrop is in Jefferson, several miles to the north-west and 3,000 or 4,000 feet lower than Mount Washington.—A. R. Wallace in Fortnightly Review.

**Weeks and Salvage.**  
Given a ship in a safe position as regards valuable property on board, but an uncertain position as regards diving operations, and she may be to the divers a "stand by" for years—notably, for example, in the case of the steamship Cadiz, wrecked in 1875 near Ushant, having on board valuable pig lead and quicksilver in large iron bottles. The Salvage association had a standing contract with divers, and year after year, when nothing more remunerative was on hand, the diving cutters would sail out from Whitstable for the wreck.

When the news of the loss of this vessel was first received, some chagrined underwriters made known to the Salvage association that in a box in the captain's cabin was a jeweled hunting knife valued at £7,000, belonging to a Portuguese nobleman. The exact spot in which the box was bestowed was carefully explained to the divers, but all their efforts to find it were in vain, or so they affirmed. Lead they could see in plenty, and quicksilver, but nothing at all resembling a box with a jewel hilted knife in it. At this stage, however, they were paid not by results, but by time, and it suggested itself that the thickness of the water might be cleared by the offer of a special 5 per cent, or £350, for the recovery of the knife, and, by a singular coincidence, the costly toy was immediately found and brought to the surface.—Westminster Review.

**Crystallizing Flowers.**  
A writer remarks that the process of crystallizing flowers is simple and can be satisfactorily accomplished by any one who has artistic skill.

Arrange some basket forms of any desired pattern with pliable copper wire and wrap them with gauze. Into these tie to the bottom violets, ferns, geranium leaves—in fact, any flowers except full blown roses—and sink them in a solution of alum of one pound to a gallon of water. Wait until the solution has cooled, as the colors will then be preserved in their original beauty, and the crystallized alum will hold them faster than when formed in a hot solution.

When you have a light covering of crystals that completely envelops the articles, remove cheerfully and allow it to drip for 12 hours. These baskets make a unique ornament and long preserve their freshness.—Popular Science News.

**A Rice Diet.**  
"I don't know but I shall take to eating with chopsticks soon," said a Springfield paterfamilias the other day. "We've got to living on rice at our house. My little girl goes to cooking school, and her mother says unless she can practice what she is taught the instruction will be of no use to her. They've been having half a dozen lessons on what to do with rice, and now we have rice at every meal. We've rung the changes on rice soup, rice pudding, snowballs, rice cakes, rice fritters, rice gums and apples and rice till I wonder I'm not jabbering the lingo of a heathen Chinese."—Springfield Homestead.

**Advice For Young Rhymesters.**

Ridiculous and serious advice are both bestowed freely upon youthful versifiers to convince them of what is usually evident to everybody but themselves—that they are not poets.

Poetry, they are told, can only be produced by men and women born to genius and is a sorry recreation for sensible young people, who would do better either to play or to study than to waste time in making rhymes and sentimentalizing. All such nonsense should be put aside, and if writing is to be done at all it should be in plain prose.

In the main the advice is good. Real poets are almost as rare as white black-birds. Struggling rhymesters who regard themselves as the Great Unrecognized and who think their homely critics ignorant persons who will be confuted in the distant future by the dazzling fame of immortal works they some day will produce are absurd enough. Nevertheless versifying is a gift which may be turned to agreeable use even when it does not approach the realm of poetry.

We do not consider that the person gifted with a facile pencil should not draw lest he should fancy himself an artist. Why then need we discourage the person gifted with a knack at rhyme from versifying lest he should believe himself a poet?

Indeed stern discouragement rather than kindly criticism or judicious praise is what oftentimes drives young and ardent writers of verse to believe the power which they know themselves to possess something more important than it is.

Rhyming is a pretty art in itself. There is something winning to most ears in its swing and lilt, and it may frequently be used effectively by amateurs if they will accept the limits of their talent and deal with thoughts and themes which are not imitated, but honestly their own.—Youth's Companion.

**A Problem of the Future.**  
There really seems to be no hope for words which we class as common gender, so that we shall perhaps forever hear some people refer to their "lady friend" or their "gentleman cousin." Nor can we desire such a complete differentiation that would compel us to be strictly logical in giving the feminine of "Michigan" or "constrain" us to follow an example already set in referring to woman's convention as "moving in the even soprano of their ways."

This latter might be improved upon by saying mezzo soprano of her way. But, joking aside, how are we to refer to the presiding officer of an assembly of women? Will Mrs. President do? Or shall we in our rules of parliamentary practice suggest the chair? Perhaps this would answer. But suppose the chair appoints a committee, and in announcing the members desires that Mrs. A. should preside at the deliberations of this committee, how shall she indicate it? Shall she say, "I appoint Mrs. A. chairman" or chairwoman? This latter bears too close a resemblance to charwoman to be popular, and in the broad pronunciation of some might be mistaken for it. Would it do to say chairmistress? If not, what shall we advise?

Again, we are likely soon to see women on our juries, and it is more than probable that one of them would be selected to render the verdict. In such an event confusion might result, inasmuch as our statutes prescribe the functions of the foreman. Shall these states as soon as they admit women on the jury revise their statutes in this regard? If so, what change must be made—foreman or forewoman, foreman or foremistress, or what?—J. Howard Gore in New Peterson.

**Extreme High and Low Temperatures.**  
Recent scientific discoveries have made possible the use of higher temperatures than had before been reached, and the application of the electric current has given a degree of heat hitherto considered unattainable. In the opposite direction a French scientist, M. Pictet, has been experimenting and has succeeded in producing the extraordinary low temperature of 273 degrees centigrade (401 degrees F.) below the freezing point, a degree of cold almost incalculable to our senses. These researches in the direction of both high and low temperatures are not simply matters of scientific curiosity, but are of substantial use, since they open new fields of chemical research and permit changes and combinations which have been considered possible, but impracticable with the means at command.—Engineering and Mining Journal.

**Methods of Some Authors.**  
In The Writer Dr. Ericsson of Detroit has an article on how authors write. Darwin, we are told, wrote on scraps of paper as he traveled around in his sulky. Chateaubriand required all the luxuries of the craft in the way of desk, pens, paper and ink when he wrote. Dr. George Ebers writes on a lapboard. Ordinarily he writes with great ease, but "sometimes the composition of a stirring chapter so mercilessly excites him that great beads of sweat appear upon his forehead and he is compelled to lay down his pen unable to write another line."

Some authors write at night, others in the morning, and all of those here mentioned, except the ladies, enjoy the stimulus afforded by tobacco. Anna Katharine Green finds her stimulant in her scrapbooks, while Kate Field stimulates herself with hot water.

**The Instincts of Birds.**  
It is certain that all creatures on the desert show remarkable intelligence, and how they acquire their information is decidedly a puzzle. Suppose, for example alfalfa seed is sown. The place may not have a bird about the day before the seed is put in, but next day a cloud of them will descend upon the spot and faithfully eat every seed. They do their work thoroughly and with praise-worthy industry. Poisoned wheat will check the entire removal of the seed, but the sparrow is never deterred by death, though there are some who affirm a few dead sparrows will have a chastening influence upon the rest. The sparrows with whom I have had personal relations despise death.—Exchange.

**CONSTIPATION**

Is called the "Father of Disease." It is caused by a Torpid Liver, and is generally accompanied with LOSS OF APPETITE, SICK HEADACHE, BAD BREATH, Etc.



To treat constipation successfully

It is a mild laxative and a tonic to the digestive organs. By taking Simmons' Liver Regulator you promote digestion, bring on a regular habit of body and prevent Bilioussness and Indigestion.

"My wife was sorely distressed with Constipation and coughing, followed with Bleeding Piles. After four months use of Simmons' Liver Regulator she is almost entirely relieved, gaining strength and flesh."—W. B. LEARNS, Delaware, Ohio.

22 EVERY PACKAGE HAS OUR 2 Stamp in red on wrapper. J. H. KELLOGG & CO., Philadelphia, Pa.

**Your Heart's Blood** is the most important part of your organism. Three-fourths of the complaints to which the system is subject are due to impurities in the blood. You can, therefore, realize how vital it is to Keep It Pure. For which purpose nothing can equal SWISS. It effectually removes all impurities, cleanses the blood thoroughly and builds up the general health. Our Treatise on Blood and its Diseases mailed Free to any address. SWISS SPECIFIC CO., Atlanta, Ga.



**Friend of Woman.**  
The very remarkable and certain relief given womankind by "Moore's Revealed Remedy" has won for it the name of Woman's Friend. It is uniformly successful in relieving the delicate ailments.

"I want you to publish my testimonial for Moore's Revealed Remedy, for it has been a grand thing for me, for it has cured me of headaches, from which I have suffered whenever I became chilled, for the last fifteen years; I have suffered perfect torture for twenty-four hours at a time, sometimes reaching for three hours with out any rest and unable to get help from any of the numerous remedies tried. Now I am free from this suffering, for at the first symptom of one of these attacks I take a good dose of "Moore's Revealed," and that is the end of it. It has also cured me of constipation. My husband says it has saved his life, and he would not be without it. We are both so happy over it we cannot say enough in its favor, and advise all our friends to use it."

MRS. JAMES GLEASON, Cor. 12th and Jackson Sts., Seattle, Wash. For sale by all druggists.

**FOR ABSOLUTELY PURE DRUGS**

GO TO G. A. HARDING. NONE BUT COMPETENT PHARMACISTS EMPLOYED

Pine Perfumeries and Toilet Articles. Also a full stock of PAINTS OILS, ETC. Agents: 775 W. P. HARRISON & CO., 2nd St. N. E., Columbus, O.

1894. 49th ANNUAL STATEMENT OF THE

**Mutual Benefit Life Insurance Co.,** NEWARK, N. J.

AMZI DODD, President, James B. Pearson, Vice Pres.

RECEIPTS IN 1893.

Received for premiums	\$ 7,311,842 35
Received for interest and net rents	2,632,829 08
	\$ 9,944,671 43
Balance January 1, 1893	49,699,256 79
Total	\$59,643,927 62

EXPENDITURES IN 1893.

Claims by death	\$ 3,606,798 39
Endowments and annuities	201,000 99
Surrendered policies	1,068,741 05
Dividends or return premiums	1,698,926 78
Taxes	218,788 82
Expenses, including agents' commissions, advertising, salaries, etc.	1,134,297 76
Profit and loss, including premiums paid on bonds purchased	69,656 70
	\$ 8,904,249 25
Balance January 1, 1894	51,533,678 37
Total	\$59,643,927 62

ASSETS JANUARY 1, 1894.

Cash on hand and in banks	\$ 587,036 62
Loans on collateral, U. S. bonds and other securities	3,028,500 00
United States and other bonds, par	12,998,120 22
First bonds and mortgages on real estate	29,642,468 50
Real estate, company's office building, Newark	200,000 00
Real estate purchased on foreclosure	783,870 61
Loans on policies in force	6,031,979 00
Premiums in transit, since received	100,567 71
Agents, balances and cash obligations	17,185 66
	\$31,555,678 37
Interest due and accrued	\$ 868,185 89
Net deferred and unreported premiums on policies in force	308,796 06
	1,176,981 95
Total	\$33,018,650 32

LIABILITIES.

Reserve fund, 4 per cent	\$42,261,051 00
Policy claims in process of adjustment	197,758 39
Dividends due and unpaid	288,536 84
Premiums paid in advance	3,304 78
	\$42,750,647 01
Surplus and dividend has been declared to each policy entitled thereto, payable on its anniversary in 1894	\$ 9,276,347 85
Surplus by New York and Massachusetts standard (actuaries' 4 per cent reserve, and marked value of assets)	\$3,608,790 35
Surplus by former New York standard (Am. Ex. 4 1/2 per cent reserve)	6,895,707 35
Policies issued and revived in 1893, insuring \$ 9,022,784.	
Policies in force January 1, 1894, 77,895, insuring \$202,276,750.	

DIRECTORS: FRED' M. SHEPARD, AMI DODD, JAMES B. PEARSON, JOHN L. BLAKE, ALBERT F. MILLER, MYRUS L. WARD, EDWARD H. WRIGHT, ALBERT B. CARLTON, EUGENE VANDERPOOL, BENJAMIN C. MILLER, GEORGE A. HALSEY, FRED' FREELINGHUYSEN.

MARK T. KADY, MANAGER, OREGON AND IDAHO. Northeast Corner Third and Washington Sts., Portland, Oregon.

**The Oregon City Sash & Door Co.**

CARRY THE LARGEST STOCK OF Sash, Doors, Blinds, Mouldings, Etc., IN OREGON CITY.

Special sizes of doors and windows made to order. Turning of all kinds. Estimates for Stair Work and Store Fronts. Furnished on application. Builders give us a call and see if our work is not of the best, and our prices as low as the lowest. Price sent on application. Factory Cor. Main and 11th Sts., Oregon City.

**The Red Front Stores.**

We offer 18 yards Indigo blue or Turkey red calico, \$1 00  
We offer 12 to 15 yards Outing Flannel, 1 00  
We offer 20 yards good unbleached muslin, 1 00  
We offer 16 yards good apron Gingham, 1 00  
We offer 1 doz. ladies' trimmed hats, choice, for, 1 00  
We offer 8 yards black satten for, 1 00

Beat flour, sack, 70c; dry gran. sugar, 17 lbs., \$1; gallon jug 10c; stone milk pan, 1 gal., 10c; flower pot 5c; 2 qt. stone jar and cover 25c; broken roast coffee 25c; tea 22c, 30c and 37c; save you one-third on tea; 10c vaseline for 5c; silk thread in colors 5c; 7 spools thread 25; 10c envelopes 3 bunches for a dime.  
Men's \$4 pants selling now at \$3; good cotton socks 5c; men's overalls 45c; boys' overalls 40c and 45c; nobby neckties 20c up; boys' suspenders 10c up; men's suspenders, good ones, 20c up; boys' jeans pants 75c and 85c; fine lot fancy dress braids, linings, pants goods, embroideries, laces and new spring millinery.

**HAMILTON BROS., Oregon City and Park Place**

**ADMINISTRATOR'S SALE OF REAL ESTATE.**  
Notice is hereby given, that in pursuance of an order of the County Court of the State of Oregon, for the county of Clackamas, made at the sixth term, 1894, of said Court, on the first day of said term, being the 5th day of said month of March, 1894, in the matter of the estate of David Williams, deceased, the undersigned administrator of said estate, will sell at public auction to the highest bidder for cash, in one parcel, and subject to confirmation by said County Court, on Saturday, the 11th day of March, 1894, at 10 o'clock a. m. of said day, at the court house door in Oregon City, in said Clackamas county, state of Oregon, all the right, title, interest and estate of the said intestate at the time of his death, and all the right, title and interest that the said estate has, by operation of law or otherwise, acquired, other than in addition to that of the said intestate at the time of his death, in and to all that lot, piece, or parcels of land, situate, lying and being in said Clackamas county, state of Oregon, particularly described as follows: The north half of the south-west quarter of section ten (10), in township four, south of range one east, in the district of land subject to sale at Oregon City, Oregon, containing 50 eighty acres. Also, the following described tracts: The north west quarter of the south east quarter of section ten (10), township four south, range one east, containing (60) forty acres, more or less; being in all one hundred and twenty acres, more or less. Terms and conditions of sale, cash. Ten per cent of the purchase money to be paid to the administrator of said estate, before the confirmation of sale by said County Court, deed at expense of purchaser. R. CALIFF, Administrator with the will annexed of the estate of David Williams, deceased. 18-9-2-90

**EXECUTOR'S SALE OF REAL ESTATE.**

In the matter of the estate of Caroline Norton, deceased.  
Pursuant to an order of the County Court of Multnomah county, state of Oregon, made March 7th, 1894, the undersigned, executor of the estate of Caroline Norton, deceased, will, from and after the 10th day of April, 1894, proceed to sell at private sale the following described real property to wit: The east half of the following described tract of land: Beginning at a point in the chain line south and six chains and thirty-one links west of the north-east corner of section fifteen, township three, south, range three east; thence east eighty-six chains; thence north twenty chains; thence east twenty-one chains and fifty links; thence north seventy-five chains; thence west one hundred and seven chains and fifty links; thence south fifty-six chains and fifty links to the place of beginning, containing six hundred and thirty-seven acres and sixty-two hundredths of an acre, more or less, in Clackamas county, Oregon. Terms of sale: One half cash, and the remainder in one year at eight per cent interest, to be secured by a mortgage on the property sold. W. H. POPE, Executor. For the estate of Caroline Norton, deceased. At the office of W. C. Johnson, Attorney, Oregon City, Oregon. 3-9-4-6

**Do Not Climb the Hill!**

—STOP AT—  
**George C. Ely's**  
POSTOFFICE STORE,  
Elyville, - Oregon.  
Where you can get the highest cash price for Butter, Eggs and Other Farm Produce.

Full line of new goods at prices lower than Oregon City.

**KARL'S GLOVER ROOT**  
IT GIVES FRESHNESS AND CLEAR SKIN.  
CURES CONSTIPATION, INDIGESTION, DIZZINESS, RUPTIONS ON THE SKIN, BEAUTIFIES COMPLEXION.  
An agreeable Laxative and NERVE TONIC. Sold by Druggists or sent by mail, 25c, 50c, and \$1.00 per package. Samples free.  
**KO NO** The Favorite TOOTH POWDER for the Teeth and Throat, 25c. For sale by C. G. Huntley.

**JOHN YOUNGER, JEWELER,**

Opp. Huntley's Drug Store,  
All Kinds of Watches, Clocks and Jewelry Repaired

Forty Years Experience in Great Britain and America. Give me a trial.

**FREE**  
\$100 worth of lovely Music for Forty cents, consisting of 200 pages full size Sheet Music of the latest, brightest, liveliest and most popular selections, both vocal and instrumental, gotten up in the most elegant manner, including four large size Portraits. CARMENITA, the Spanish Dancer, CALDERON, the Great Pianist, ADELINA PATTI and MINNIE SELIGMAN OUTTING.  
ADDRESS ALL ORDERS TO THE NEW YORK MUSICAL ECHO CO., Broadway Theatre Bldg., New York City. CASH ON HAND.

**ELECTION NOTICE.**

Notice is hereby given, that on Monday, the 4th day of June, 1894, at the usual place of voting in the several precincts of Clackamas county, state of Oregon, attention will be held for state, district, county and precinct officers, namely:  
Member of Congress 1st district, Governor, Secretary of State, State Treasurer, State Superintendent of Public Instruction, State Printer, Attorney General, Justice of the Supreme Court, District Attorney Fifth Judicial District, One Member State Board of Equalization, 3d district.  
One Joint Senator, district Clackamas and Marion counties.  
One Senator.  
Three Members of House of Representatives, County Judge, One County Commissioner, County Clerk, Sheriff, Recorder, Treasurer, Surveyor, Assessor, County Superintendent of Schools, Coroner.  
One Justice of the Peace for each magisterial district.  
One Constable for each magisterial district.  
Which election will be held at 8 o'clock in the morning, and will continue until 6 o'clock in the afternoon of said day.  
Dated this 23d day of March, 1894.  
GEO. F. HORTON, County Clerk

Established 1865.  
**C. N. Greenman,**  
PIONEER  
Transfer and Express,  
Freight and parcels delivered to all parts of the city.  
RATES - REASONABLE.

If you are interested in Advertising you ought to be a subscriber of PRINTERS' INK: a journal for advertisers. PRINTERS' INK is issued weekly and is filled with contributions and helpful suggestions from the brightest minds in the advertising business. PRINTERS' INK costs only two dollars a year. A sample copy will be sent on receipt of five cents. ADDRESS: PRINTERS' INK, 10 Spruce St., - New York

**NOBLETT'S STABLES.**

Livery, Feed and Sale Stable  
**OREGON CITY.**  
LOCATED BETWEEN THE BRIDGE AND DEPOT  
Double and Single Rigs, and saddle horses always on hand at the lowest prices. A corral connected with the barn for loose stock.  
Information regarding any kind of stock promptly attended to by person of letter.  
**Horses Bought and Sold.**  
Sunday Services.

ST. PAUL'S CHURCH—Episcopal—Rev. J. A. Ekkortum Pastor. Services at 11 o'clock a. m. and 7:30 p. m. Prayer service every Wednesday evening.  
FIRST CONGREGATIONAL CHURCH—Rev. Pastor supplied. Services at 11 a. m. and 7:30 p. m. Sunday School after morning service. Prayer meeting Wednesday evening at 7:30 o'clock. Prayer meeting of Young People's Society of Christian Endeavor every Sunday evening at 6:30 prompt.  
FIRST BAPTIST CHURCH—Rev. GILMAN PARKER Pastor. Morning service at 11:30 Sunday School at 12:15; Evening Service 8:30. Regular prayer meeting Wednesday evening. Monthly Covenant Meeting every Wednesday evening preceding the first Sunday in the month. A corral invitation to all.  
ST. JOHN'S CHURCH, CATHOLIC—Rev. A. HILLERBAND, Pastor. On Sunday mass at 8 and 10:30 a. m. Every second and fourth Sunday German sermon after the 8 o'clock mass. At all other masses English sermons. Sunday Society of Christian Endeavor every Sunday subject and Benediction at 7:30 p. m.  
METHODIST EPISCOPAL CHURCH—Rev. G. SYKES, Pastor. Morning service at 11: Sunday School at 10:00. Class meeting after morning service. Evening service at 7:30. Epworth League meeting Sunday evening at 6:30; Prayer Meeting Thursday evening at 6:30. Strangers cordially invited.  
FIRST PRESBYTERIAN CHURCH—Rev. G. W. GIBSONY, Pastor. Services at 11 a. m. and 7:30 p. m. Sabbath School at 10 a. m. Young People's Society of Christian Endeavor meets every Sunday evening at 6:30. Wednesday evening prayer meeting at 7:30. Seats free.  
EVANGELICAL CHURCH—GERMAN—Rev. ERNST, Pastor. Preaching services every Sunday at 11 a. m. and 7:30 p. m. Sabbath school every Sunday at 10 a. m. (Rev. P. Holt, Supr.) Weekly Prayer Meeting every Wednesday evening.  
UNITED BRETHREN IN CHRIST—Preaching every Sunday, except third Sunday of each month, at 11:00 a. m. and 7:30 p. m.—W. H. McLAIN, Pastor. Sunday school at 10 a. m.—L. D. STEVENS, Superintendent. Prayer meeting every Wednesday evening.