The Intelligencer.

EVOLUTION OF THE EARTH.

Its Slow Development from a Body of Heated Gas to a Condition Capable of Sustaining Life.

[Fourth article—showing the process through which planets have passed, as exemplified by the probable early history of the earth.]

Editors of the Intelligencer:

It is a law of nature deduced from the uniform experience and observation of mankind, that every system of effects attains its completion through an evolution or growth. No complex result comes into existence through a single instantaneous causation. Man reaches his maturity and power of intellect by an evolution or gradual growth. Plants grow; animals grow; nations grow; customs grow; religions grow; sciences grow; and among political economists, the belief is very generally obtaining that "constitutions are not made, but grow." Hence it is that men of science, finding everywhere the indications of individual and of collective progress by growth, have come to seek for the origin of even our solar system, by referring it to a similar process of development. Nor is the analogy a mere fancy; the facts of special observation fully sustain the parallel they would establish. As a botanist entering for the first time a forest of unknown trees, and finding them around him in all stages of development, from the seed or the nascent sprout to the monarch of a thousand years, could at once trace out the process of growth through which even the prostrate and decaying trunk had passed to reach the state in which it was found, so the astronomer, when viewing the sidereal heavens and observing worlds in all the various stages of growth, can perceive what must have been the past condition, and what must be the probable future of our earth, that member of the species which we inhabit.

THE EVOLUTION OF PLANETS.

In my last paper I had followed the condensation of the primitive nebulous mass, of which the solar system originally consisted, until it had reached that phase of development in which peripheral rings commenced to detach themselves from its equatorial region. Of this period of growth the types are furnished us by several complex annular nebulae situated in different constellations. When the first ring became separated from the more rapidly concentrating central portion, the rotating spheroid extended outwardly as far as the orbit of Neptune, and from its still greatly diffused bulk, had not reached that axial velocity which subsequently caused it to assume a very oblate spheroidal or lens-shaped form. Hence this annular detachment would be thickest in a direction vertical to its plane of rotation; would resemble a zone of peeling cut from the greater circumference of an apple, or in other words would be hoop-shaped. Now this being the case, when conglomeration of the ring occurred from the causes mentioned in my last article, its tendency would be to revolve upon its axis in the plane of its greatest diameter, since the least resistance would be encountered in that direction, or at a great inclination to the plane of its orbit. This is observed to be true of the two outermost planets, Neptune and Uranus, (both of which must have been formed from hoop-shaped rings), the latter being inclined more than ninety degrees to its orbital plane, causing in the revolution of its satellites, an apparent retrograde motion to be seen, similar to that produced by the hands of a watch, when the latter is lying on its face.

SATURN AND JUPITER.

The main body of the concentrating nebula having now condensed to the limits of Saturn's orbit, from the contraction of bulk, and the liberation of further heat, greatly increased speed of rotation will have ensued, and the vaporous spheroid will have become decidedly lentiform in shape. Hence the next ring detached will not be hoop-like, but will be quoit-shaped, and when aggregated will tend to revolve upon its axis in a plane approximatively coincident with that of its orbit. Saturn and Jupiter both conform to this requirement of the hypothesis, the axis of the latter, being almost perpendicular to the course of its orbit. Moreover, from the greater angular velocity possessed by the exterior circumference of a quoit-shaped genetic ring, than would be possessed by its interior circumference, a more rapid axial rotation of the resultant planet should ensue, and in both Saturn and Jupiter this condition is complied with, each completing its diurnal revolution in about ten hours.

THE INFERIOR PLANETS.

Two causes will now combine to produce smaller planets than the four genetic rings already cast off, namely: the much decreased circumference of the solar nebula, and the strong attractive influence exerted upon the retreating mass, by Jupiter and the exterior planets This latter force would powerfully tend toward the premature disengagement of the rings next forming, and we find the expected result of this action in the zone of planetoids which composed the ring detached next after Jupiter. This ring must have been extremely thin and hoop-shaped, since though occupying an orbit much larger than the earth's the aggregate volume of the more than 120 bodies to which it has given rise, is less than the volume of our moon. Upon the separation of a ring so attenuated as this, and so immediately under the great attractive force of Jupiter, the coalescence of its disrupted sections would be next to impossible, and they would therefore continue revolving separately as asteroids In this way too may be explained the very irregular orbits in which they go around the sun, as the perturbing attraction of the giant planet is competent to account for them. Thus we see that just where such a result might be looked for, and in the only place where according to the hypothesis it could have occurred, a genetic ring was formed which never united in one body.

THE SUN AND HIS IMMEDIATE SATELLITES.

As the condensing nucleus now retreated, evolving thereby further heat, and generating an augmented rate of rotation, Mars, the Earth, Venus, and Mercury, would be successively formed after the manner of the other planets, while the central mass having still farther shrunk, would occupy the position where we now find the Sun. But in the meanwhile as the atoms of matter composing the contracting luminary, approached unto comparative nearness of contact, their mutual cohesive and gravitative forces would increase in a geometrical ratio, (the attraction of bodies being inversely as the squares of their distances apart,) and would so far overcome the centrifugal force produced by rotation, as to slowly approximate toward a spherical form again, and become but slightly oblate.

THE FORMATION OF SATELLITES FROM PRIMARIES.

But, simultaneously with the progression of the Sun, a similar development is occurring in each of the planets. Each as a rotating spheroid is condensing and evolving heat, while the larger are losing equatorial rings, which in their turn become revolving moons. Saturn which has the lowest specific gravity of all the planets, being not much heavier than cork, has, as might be expected from its implied want of cohesion, the largest number of satellites. These again are supplemented by the rings of Saturn which are undoubtedly moons in process of formation, and destined some day to exist as such.

FURTHER COINCIDENCES.

And now, curiously enough, if an examination of the different systems of satellites be made, the same general contrast in size between members of inner and outer groups will be found, as exists among the primaries.

The two inner moons of Jupiter are smaller than the two outer moons, and the same relation obtains between the internal and external ones constituting the four discovered satellites of Uranus; while of the group of eight Saturnian moons, the three outside ones are large and the five inside ones are small. But this is not all. The outermost Jovian moon is not the largest, but the third is, while of Saturn's satellites the largest are the sixth and seventh, and not the eighth. These coincidences, indicating a repetition of results from similar causes, point to a common mode of genesis, and serve to strongly support the probability of the Nebular Hypothesis. Again, the hypothesis requires accelerated orbital rotations in the planets, as we approach from the exterior to the interior, and also that the Sun and each planet should revolve upon its axis in a shorter period, than the orbital revolution of any of its immediate satellites, and this condition is perfectly observed in both the primary and secondary systems of satellites. It has moreover been shown by calculation, that the maximum velocity which the force of the Sun's attraction could control in any planet, is equal to the observed velocity of the planet next nearest the Sun; that is to say, if Saturn was to suddenly acquire the orbital speed of Jupiter, it would just be freed from solar attraction, and would fly off into space; or, if the Earth had the angular velocity of Venus, a similar catastrophe would occur in its case. These facts illustrating a mechanical principle, which is a natural corollary from the nebular theory of the planetary genesis, gives additional weight to the probability of planetary genesis in that manner.

THE CONDENSATION OF THE EARTH.

Simultaneously with the progress of other planets and of the sun, a like process of evolution has been experienced by the earth. Cast off as the seventh nebulous ring from the original mass, it has aggregated into a rotating spheroid, and given rise to one genetic ring in its turn, which is destined to become its future moon. Its continued concentration and radiation of heat have brought its particles so nearly into contact that gravitation has become powerful, and the weight of the superincumbent mass has condensed the central gaseous portions into a liquid form. But now, heat being parted with much more rapidly at the surface of the revolving body, the temperature there will be so much reduced that the less easily volatilized elements, such as silicon, calcium and aluminum, will unite with the contiguous oxygen, and, assuming the liquid form, will descend like molten rain upon the seething nucleus below. This fall will be checked as soon as a locality is reached where the heat is such as to again vaporize them, when an ascent back to the higher regions will occur. Radiating into space the acquired heat, a fresh condensing and precipitation will take place, to be again succeeded by volatilization of the descending matter. This repeated process, however, will continually abstract heat from the central mass, and will finally render it sufficiently cool to permit the liquified gases to remain upon its surface.

FORMATION OF THE EARTH'S CRUST.

Great chemical actions will now take place in the exterior of the molten globe. Oxygen will unite with silicon to form quartz, and with calcium, aluminum, iron, potassium, and other metals, to form the mineral bases, which compose the crust of the earth. As radiation of heat progresses, a film will gradually form over the surface of the liquid mass, and will slowly thicken until a comparatively firm crust is produced.

In the meantime, hydrogen, the lightest of the gases, and which in consequence has heretofore occupied the extreme outside of the cooling body, has been brought in contact with oxygen, and has united with it in the form of steam. But as additional heat is parted with, this immense volume of steam, which embraced all the water now upon the earth, began to condense, and commenced falling as torrents of rain upon the parched and glowing surface of the primitive world. Encountering in its descent vast strata of oxygen and carbon, united as carbonic acid, and also passing through various other acids, it reached the surface thoroughly saturated with these compounds. Upon reaching the heated mass below, it would instantly be evaporated again with vast explosions, and return to the higher regions, while the chemical combinations produced by the contact of the acids with the alkaline and metallic substances they had reached, would occasion disturbances of which we can form no conception.

PREPARING FOR THE ADVENT OF LIFE.

But in course of time the incessant rainfall and accompanying evaporation would so far cool the earth's surface, that the showers of water which descended would remain there, and cover it entirely as an unbroken shallow ocean. The nitrogen above would now join fortunes with the uncombined oxygen and form the atmosphere which still envelops our globe, while the water of the ocean still in a state of ebullition, would slowly absorb the different soluble salts, and gradually produce those conditions in which the "beginnings of life" would be possible. Having now reached that phase of the earth's evolution where organic existence probably commenced, I will make the Eozoic history of our planet, or the Evolution of Life, the subject of a future paper.

AN EVOLUTIONIST.

COMMERCIAL AND FINANCIAL.

MARKETS BY TELEGRAPH.

Chicago Market.

CHICAGO, April 10.—Flour—Quiet and unchanged. Wheat—Quiet and weak No. 1 Chicago spring, $1 26@1 27; No. 2 do $1 21½ cash or April; $1 25½ May; $1 26½ June; No 3 do, $1 18@1 18½; rejected $1 10. Corn—Steady and a shade lower; No. 2 mixed 61¾c, regular; 63¾@64c fresh spot; 61½c April; 65c May; rejected 60½@60½c new 58½@59c. Oats—Dull but unchanged; No. 2, 42½c spot; 46¾c May. Rye—Steady; No. 2, 92@93c fresh. Barley—Fair demand and firm; No. 2 spring, $1 02@1 04; No. 3 do $1 34@1 35. Pork—Quiet, weak and lower at opening, active demand at close, $16 00 cash; $16 00@16 05 May; $16 25 bid June. Lard—Steady; $9 60 cash; $9 87½c May. Bulk Meats—Stady, nominally unchanged; no sales. Whisky—Steady, 93c.

New York Dry Goods Market.

NEW YORK, April 10.—There was a general dullness in all departments of trade to-day, the jobbing branches being exceptionally quiet. The market for cotton goods quiet but steady, at the ruling quotations. Prints in fair demand for piece lots. Ginghams dull. Dress goods less active. Shawls moving slowly from first hands, and jobbing prices irregular. Black silks selling freely at low prices. Woolens very dull.

Toledo Market.

TOLEDO, April 10.—Flour — Demand firm. Wheat—Active and advanced; No. 2 white wabash $1 65; No. 3 do. $1 46; No. 1 white Michigan $1 56@1 57; amber Michigan $1 48; June $1 55; No. 2 red $1 46@1 49. Corn—Fair demand and firm; high mixed 69c; May 69½; June 70½c; low mixed 68½@68¾c; no grade 67¾@68c; damaged 63½@64c. Oats—Fair demand and firm; No. 1 54½c; No. 2 50c. Clover seed $5 85.

New York Money and Stock Market.

NEW YORK, April 10—MONEY—Took a flurry this morning and advanced to 7 per cent on call, but closed at 3@4 per cent.

STERLING EXCHANGE—Quiet at $4 85 for 60 days; $4 88 for sight. Custom receipts $471,000.

GOLD—Ranged at 113¼@113¾, closed at 113¼. Carrying rates 2@4 per cent, closing at 2 per cent. Treasury disbursements $270,000. Clearings $27,000,000.

GOVERNMENTS—Quiet.

United States 6s of 1881, coupons	121
Five-twenties (1862)	117¾
Five-twenties (1864)	119¾
Five-twenties (1865)	120¼
Five-twenties (1865) new	119
Five-twenties (1867)	120
Five-twenties (1868)	119¾
New Fives	115¾
Ten-forties	114¾
Currency Sixes	116¾

STATE BONDS—Quiet and nominal.

Missouri	94¾	Virginia, old	39¾
Tennessee, old	67	N. Carolina, old	38
Tennessee, new	67	N. Carolina, new	21
Virginia, new	35		

STOCKS—Opened firm and fluctuated somewhat during the day with a general downward tendency, but at the final close the general market was ⅛@¼ above the lowest prices of the day. St. Louis and Iron Mountain was an exception and advanced from 38½ to 45. Erie showed a recovery of ½, and St. Joe 1¾ from the lowest point. The total sales were about 168,000 shares, of which 80,000 were Western Union, 29,000 Lake Shore, 18,000 Pacific Mail, 18,000 Union Pacific, 16,000 New York Central, 15,000 Erie, 10,000 Wabash, 8,000 St. Paul common and 5,000 Rock Island.

Western Union	78	St. Paul preferred	60
Adams Express	98¼	Wabash	60¾
Wells, Fargo & Co.	77	Wabash preferred	71
American	63	Pt. Wayne	94
United States	70	Terre Haute	11
Pacific Mail	46⅞	Terre Haute pfd	33¼
N. Y. Central	99⅛	Chicago & Alton	103¼
Erie	35⅝	Chic. & Alt. pfd	103¼
Erie preferred	68	Ohio & Miss	29¾
Harlem	136	Cleve., Col. & Cin.	72
Harlem preferred	130	Burling'n & Quin.	104
Michigan Central	83	Lake Shore	77¾
Cleve & Pitts	94	Indiana Central	31¾
Northwestern	53¾	Illinois Central	103
Northwestern pfd	70¾	Union Pac. stock	36⅛
Rock Island	101	Cent'l Pac. bonds	94¾
N. J. Central	105¾	Union Pac. bonds	86¾
St. Paul	41¾		

New York Market.

NEW YORK, April 10.—Cotton—Dull and unchanged. Flour—Firmer, moderate export and home trade demand; super western and State $5 80@6 35; common to good $6 30@6 55; good to choice $6 60@6 80; white wheat extra $6 80@7 25; extra Ohio $6 35@7 60. Wheat—One cent better; good export and fair home trade demand; No. 2 Chicago spring $1 54½@1 57; No. 2 Milwaukee $1 60@1 61; ungraded Iowa and Minnesota spring $1 51@1 63; No. 2 spring $1 62@1 65; northwest spring $1 56@1 57; white spring $1 63 Rye—Scarce and firm, $1 05@1 12. Barley—Heavy; fresh $1 60. Corn—Active and firm; new mixed western 84@88c; high mixed and yellow western 89@90c; old western yellow 91c; white western 86@88c. Oats—Firmer; mixed western 62@64½c; latter blowed and screened; white western 64@66½c. Hay—Firm, 95c@$1 00. Coffee—Dull and unchanged. Sugar—Quiet and unchanged. Whisky—Lower at 95½c.

Baltimore Market.

BALTIMORE, April 10.—Flour—Firmer but not higher. Wheat—Firm; Ohio and Indiana, $1 55@1 65; western spring, $1 45@1 50. Corn—Firm; Western mixed new 83c; old, 87½c. Oats—Firm; western 61@63c. Rye—Firmer at 90@95c. Provisions—Firm with an advancing tendency. Pork—Unchanged. Bulk Meats—Firm; no round lots offering. Shoulders 6¾c; clear rib sides 8¾c. Bacon—Firm and in active jobbing demand; shoulders 7¾@8¼c; clear rib sides 9¾@10c. Sugar Cured Hams—14@15c. Lard—Active and excited at 10¾c. Western Butter—In good demand and unchanged. Coffee—Dull and unchanged. Whisky—Nominal, 97c.

Cincinnati Market.

CINCINNATI, April 10.—Cotton—Steady at 16½c. Flour—Dull and unchanged. Wheat—Dull at $1 35. Corn—Firmer and quiet; 64@67c. Oats—Dull; 48@55c. Rye—Steady; $1 04@1 05. Barley—Steady; No. 3 spring $1 50. Oils—Unchanged. Eggs—Steady; 12½c. Butter—Dull and unchanged. Cheese—Firm. Pork—Easier; sales city mess at $16 75; country $16 50@16 75. Lard—Good demand and firm; for steam 9¼@9 13-16c; kettle quiet; 10c asked. Bulk meats—Quiet and steady; shoulders 6a6½c; clear rib $8 30@8 35; clear 8¾c@$8 70. Bacon—Good demand; shoulders 7c; clear rib $9 10@9 25; clear 9¾@9¾c. Whisky—Good demand and firm; 93c.

Philadelphia Market.

PHILADELPHIA, April 10.—Flour—Demand light and holders firm; super $5 00@5 62½; Wisconsin and Minnesota extra family $7 00@7 50; State Indiana and Ohio $7 50@8 25. Wheat—Steady; red $1 60@1 65; amber $1 75@1 80. Rye—Steady at 98c. Corn—Firm; yellow 84@85c. Oats—Dull; white 62@64c; mixed 60c. Provisions—Advancing tendency; mess pork $17 00@17 25; hams in pickle 11½@12½c; sides in salt 8¾@9c; shoulders 6¾@6¾c. Lard, 10@10½c. Petroleum—Firm; crude 11½@11¾c; refined 15¾@15½c; Whisky—Declining; western iron 99c.

Philadelphia Wool Market.

PHILADELPHIA, April 10.—WOOL—Quiet and firm; Ohio, Pennsylvania and West Virginia double extra and above, 56@57½c; extra 55@56c; medium 55@56c; coarse 45@50c. Michigan, Indiana and western fine 50@52½c; medium 53@55c; coarse 45@50c; combing washed 62½@70c; combing unwashed 42½@43c; Colorado washed 25@30c; unwashed 21@23c; extra and merino pulled 45@50c; No. 1 super extra pulled 45@50c; Texas fine and medium 25@30c; Texas coarse 21@25c.

Cleveland Market.

CLEVELAND, April 10—Wheat—Lower; No. 1 red $1 55; No. 2 do $1 45. Corn—Better; old mixed 70@75c; new do 73@74c. Oats—Better; No. 1 State 53c; No. 2 do 51c. Petroleum—Firm and unchanged.

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French Merino and Cashmeres, sold for $1 25, reduced to $1.
Serges, Poplins, Silk Suitings, Alpacas, Delaines and Plaids at great bargains.
Cassimere and Jeans at and below cost.
20c Jeans for 12½c; 40c Blue Jeans for 25c.
50c Jeans for 35c.
Table Linen for 30 and 35c.
Heavy Brown Muslin for 6, 8 and 10c
Heavy Brown Sheeting for 12½c.
Bleached Muslin 6, 8 and 10c.
Bleached Muslin, soft finished, 12½c.
Calico for 8 and 10c
Plaid Flannel 25 and 30c.
Paris'ey and Woolen Shawls way down in price.
Ladies' Under Vests, Gentlemen's Underwear, Ladies' and Gents' Gloves, Hosiery, Shirt Fronts, reduced below cost.

All who want good bargains and save money should call soon at the

Cheap Cash Dry Goods House of Centre Wheeling,

No. 2100, COR. MAIN & 21st STS.

Henry Roemer.
ja10

L. D. SINE'S ESTABLISHED 1854

GIFT ENTERPRISE

The only reliable Gift Distribution in the country

$60,000 00

IN VALUABLE GIFTS!

TO BE DISTRIBUTED IN

L. D. SINE'S

166th REGULAR MONTHLY

GIFT ENTERPRISE

To be drawn MONDAY, May 4th, 1874.

TWO GRAND CAPITALS OF

$5,000 each in Greenbacks

Two Prizes $1,000
Five Prizes $500
Ten Prizes $100 } GREENBACKS!

One Horse and Buggy, with Silver-mounted Harness, worth $600! One Five-toned Rosewood Piano, worth $550! Ten Family Sewing Machines, worth $100 each! Five Gold Watches and Chains, worth $300 each! Five Gold American Hunting Watches, worth $125 each! Ten Ladies' Gold Hunting Watches, worth $100 each! 800 Gold and Silver Lever Hunting Watches (in all,) worth from $30 to $300 each! Gold Chains, Silver-ware, Jewelry, &c., &c.

Number Gifts, 6,500. Tickets limited to 60,000.

Agents wanted to sell Tickets, to whom Liberal Premiums will be paid.

Single Tickets $1; Six Tickets $5; Twelve Tickets $10; Twenty-five $20.

Circulars containing a full list of prizes, a description of the manner of drawing, and other information in reference to the Distribution, will be sent to any one ordering them. All letters must be addressed to

L. D. SINE, Box 86, Cincinnati, O.
MAIN OFFICE, 101 W. Fifth St. mar24-daw

M. & G. HUBBARD—

Near 5th Ward Market House.

Have in store and for sale

500 bales CHOICE TIMOTHY HAY.
3,000 bushels MILL FEED.

Also, a full supply of Family Groceries, at panic prices. ja19

SYRUPS—75 BBLS. CHOICE SUGAR Goods, from runnings. For sale very low.

1921 LIST, DAVENPORT & PARKS.

Merchant Tailors.

J. H. Stallman & Co.

MERCHANT TAILORS

AND DEALERS IN

Gentlemen's Furnishing Goods,

NO. 27 TWELFTH ST., WHEELING.

We have just received a large and well selected stock of Goods for

Spring and Summer,

Embracing everything adapted to Men's wear.

Shirts Made to Order.

mar28

Now Ready!

Our New Stock of

MEN'S, YOUTHS' and BOYS'

CLOTHING

—AND—

FURNISHING GOODS,

FOR THE

Spring Trade of 1874

AND OFFERED AT

Prices that Defy all Competition

—AT—

H. HARTMAN & CO'S,

30 Twelfth St.,

Next Door to First Nat'l Bank.

mar7

WE HAVE RECEIVED OUR stock of

FALL AND WINTER GOODS,

Which we are now prepared to make up in the latest styles, to suit purchasers, and a perfect fit guaranteed.

We have also on hand a fine line of Gents Furnishing Goods, to suit the most fastidious.

Persons contemplating buying, will do well to call and examine our stock before purchasing elsewhere.

Suits made to order and a fit guaranteed.

J. T. LAKIN & CO.,

Merchant Tailors,

And Dealers in

MEN'S FURNISHING GOODS

No. 29 TWELFTH ST.

nov4

Wm. Schocke

MERCHANT TAILOR,

And Dealer in

Gents' Furnishing Goods,

Has removed to 1439 MARKET STREET,

And Would respectfully inform the public that he has just returned from the East with a new and complete stock of

Cloths, Cassimeres & Vestings,

Which will be made up to order at short notice in the latest style and a good fit guaranteed.

My stock of

Gentlemen's Furnishing Goods

IS FULL AND COMPLETE.

SHIRTS MADE TO ORDER. Call and examine before purchasing elsewhere.

WM. SCHOCKE.

nov4

1873. Fall & Winter. 1873.

John L. Rice,

MERCHANT TAILOR

—AND—

Gents' Furnishing Store,

38 MONROE ST., WHEELING, W. VA.

Most respectfully invites his customers and the public generally to call and examine his stock, which is full in every particular, consisting of

Cloths, Cassimeres, Worsted Diagonal and Straits, Fancy Worsted Suitings, Eredons and Castor Beavers, Kerseys and Melions for Overcoats.

GENTS' FURNISHING GOODS.

Which would pay you to call and examine.

SHIRTS MADE TO ORDER,

And guaranteed in every particular.

SCOTCH CHEVOITS in entirely new styles

JOHN L. RICE.
oc7

PATENT FLOUR.

We have a consignment of Choice Family Flour, claimed to be the finest made. The trade is requested to give it a trial.

fe26 LIST, DAVENPORT & PARKS.

Hardware, &c.

Star Foundry

BENJAMIN FISHER.

Manufacturer of the Celebrated

Valley Star Cook Stoves,

With the low down copper reservoir for extension tops. Also a great variety of other Cook and Heating Stoves. A complete assortment of

Marbleized Slate & Iron Mantels.

Marble, Slate and Iron Hearths, constantly on hand.

JOB CASTING DONE TO ORDER.

1614, 1616, 1618, 1620 & 1622,

MARKET ST.

ja3

BAKE BETTER, QUICKER & WITH LESS FUEL

THAN ANY STOVE MADE.

They are

Always Reliable, Always Ready, and Always the Best.

SOLD BY ALL DEALERS.

Manufactured only by

Arlington Stove Works

OFFICE AND SALESROOM

NO. 1425 MAIN ST.

ap9

TO CONTRACTORS & BUILDERS.

100 Barrels No Pins Ultra White Lime
100 " Louisville Cement.
50 " Superfine Plaster Paris
Iron and Steel Sledges.
Iron and Steel Crowbars.
And all sizes of Jackscrews and Wheelbarrows
Just arrived and for sale at

ap3 JACOB SNYDER'S.

ANOTHER LOT OF ALL KINDS *WAGON & CARRIAGE MATERIALS,*

Comprising Hubs, Spokes and Felloes, Shafts and Poles, finished and unfinished, fine Wagon and Buggy Bodies, Patent and Common Wheels all sizes of Carriage Bolts, Couplings, Clips and Fifthwheels, fine Trimmings, Malleable Iron of every description. Just arrived and for sale by

ap3 JACOB SNYDER'S.

J. M'CULLOUGH. J. G. MOORE. ALEX. ROGERS

Jas. McCullough & Co.,

Wholesale and Retail Dealers in

Hardware and Cutlery,

CABINET & BUILDERS' HARDWARE,

Carpenters', Coopers', Machinists' and Butchers' Tools,

No. 41 MAIN ST., and 25 SOUTH ST.

One door above Jacob Snyder,

WHEELING, W. VA.

Look for the Sign of the Red Circular Saw.

ap18dw

Insurance.

Peabody Insurance Co.

WHEELING, W. VA.

Cash Capital.....$100,000.00.

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