THE ALUMINUM AGE.

A Pleasant Word Picture Drawn by an Enthusiastic Chicago Man.

It is reported that at the Essen Krupp Gun Works, near Cologne, Germany, the metal aluminum is being rapidly turned out in 100-pound ingots at a cost of 25 cents per pound. If this is true its full significance is not realized by the public, for this silvery metal is the most abundant in nature. Common clay everywhere contains from two to ten pounds of it in every 100 pounds. It is therefore more common than iron or all the metals taken together. The cost of extracting it has been the great and only hindrance to its general use. In 1853 its value was $240 per pound, and the following year a chemical discovery dropped its price to $44. A steady decrease since then has taken place to about $5 per pound, at which price its uses are enormous, but nothing to compare with the alleged 25-cent value.

As iron weighs three times as much, and is, therefore, one-third as bulky as aluminum, when the latter can be obtained at three times the price of iron that metal will be supplanted rapidly. Even at the Krupp price it will pay to build railroad trains of aluminum, because of the greatly reduced weight afforded. This dead weight of trains is a prodigious expense to railways, nine-tenths of which could be saved by constructing passenger and freight cars of aluminum weighing from half a ton to a ton each. The adaptability for this purpose may be instantly seen in roughly stating aluminum to be far stronger than steel and as light as chalk. Locomotives needing traction weight would still be made of iron and steel, though they could be reduced in weight materially in proportion to the diminished dead weight, or the old engine unchanged would be enabled to add ten aluminum cars for each one of the old style discarded. It would be equivalent to doubling the freighting capacity by counting the weight of present cars and their contents as equal in reducing the car weight to a practical zero.

Aluminum conducts electricity better than iron, the comparison being one-third as well as copper while iron is one-seventh, hence aluminum will be used for telegraph lines. The metal being so light and strong, such rods of it will hold up the wires as well as the largest telegraph poles under greatly reduced weight.

Houses could be easily constructed by pouring the metal into sand or ordinary metal molds. It melts easier than silver. Every part of the domicile could be cast on the spot in this way into a solid mass of metal more rigid and durable than stone. Movable parts such as doors, windows, transoms, scuttles, could be made of the same bright metal and just as heavy or light as desired.

Ships larger than the Great Eastern, with less draught, could be constructed nearly entirely of aluminum, including the machinery and boilers, which at present weigh down vessels seriously.

The stone age held fast our ancestors in a condition but little better than that of our arboreal progenitors, the apes; the bronze age was a great step ahead, and the iron age ushered in civilization and made it possible. We are now living in the latter part of that period and beholding the dawn of the aluminum age, which will confer blessings millions of times greater than can be understood under existing circumstances. The possibilities of cheap aluminum are limitless. Ærial navigation will be effectually settled, and monstrous aluminum air-ships will literally give wings to commerce and settle the tariff question by rendering trade as free as the medium in which it will be conducted. Cities of solid aluminum will spring up everywhere, fire-proof, indestructible, paved with the white metal, lighted by electricity passing over aluminum wires to towers of the same substance. Railway beds, sleepers, ties, rails, bridges and all will be cast solidly in their places, with airy aluminum palace-cars dancing over them one hundred miles an hour or more. Floating bridges can be built upon the sea; wide rivers can be spanned by cobwebby but strong structures at small expense, and in a few days where years were previously required. Sanitation will become a great possibility, and every one, no matter how poor, can have a home of his own far better than the present ordinary dwelling.

Transition stages such as this involve rapid and decided changes from past modes of living, and, like all other civilizing influences, aluminum will prove to be a great leveler, for wealth will decrease in the hands of the few and increase in those of the many. Old-time manufacturing processes will be killed off and thousands lose employment, to be re-employed in new industries or adaptations of the old to the new. Carpentering, cabinet-making will give way to fabricating furniture, wagons, carriages, etc., from the new metal, with the result of cheapening all the implements and vehicles of life, and secondarily all products, such as clothing, shelter and food. Great wealth will lose its power and poverty be practically abolished. —*Theo. Dolite, in Chicago Tribune.*

—Wife (to husband, who has been ostensibly to church)—"I was sorry not to go with you this morning, John, but I really didn't feel able. Were there many there?" Husband—"No, the grandstand was only about half—er— O, yes, a fair congregation for hot weather."—*N. Y. Sun.*

YOUNG TIP

LOG CABINS are fast going out of style as fashionable residences. Log Cabins will, however, always have a place in American history, as they were the most prominent feature of our country's early social life. The pioneers were strong, rugged, healthy. Warner's Log Cabin Cough and Consumption Remedy is a reproduction of one of the old time roots and herbs remedies, which kept them well. Everybody praises "Tippecanoe" as a stomach tonic.

A French engineer has conferred a blessing on all players of stringed instruments by inventing a peg which will not slip.

White Elephant of Siam, Lion of England, Dragon of China, Cross of Switzerland, Banner of Persia, Crescent of Egypt, Double Eagle of Russia, Star of Chili, The Circle of Japan, Harp of Erin.

To get these buy a box of the genuine DR. C. MCLANE'S CELEBRATED LIVER PILLS, price 25 cents, and mail us the outside wrapper with your address, plainly written, and 4 cents in stamps. We will then mail you the above list with an elegant package of oleographic and chromatic cards.

FLEMING BROS., PITTSBURG, PA.

Study pedigrees and beware of bogus ones. Nine-tenths of the blunders made in breeding are made by breeding to inferior stock.

Don't hawk, and blow, and spit, but use Dr. Sage's Catarrh Remedy.

Theodore Tilton is living in a remote quarter of Paris in by no means affluent circumstances.

A Wonderful Food and Medicine.

Known and used by physicians all over the world. **Scott's Emulsion** not only gives flesh and strength by virtue of its own nutritious properties, but creates an appetite for food that builds up the wasted body. "I have been using Scott's Emulsion for several years, and am pleased with its action. My patients say it is pleasant and palatable, and all grow stronger and gain flesh from the use of it. I use it in all cases of Wasting Diseases, and it is specially useful for children when nutrient medication is needed, as in Marasmus."—T. W. PIERCE, M.D., Knoxville, Ala.

The Princess of Wales and her daughter sometimes sing to the inmates of London hospitals.

BETTER THAN A HERO.

"What a coward that Major Smith is," said Jones to Robinson, "why, the very sight of gun powder would make him ill. How did he ever manage to become an officer in the army?" "Don't say anything against Smith," answered Robinson, "he once saved my life." "Saved your life! Nonsense, impossible! What do you mean?" "I mean that I was in the first stages of consumption; I was losing strength and vitality every day with the terrible disease, when Smith advised me to take Dr. Pierce's Golden Medical Discovery. I had tried all kinds of medicines without success, and my physician had given me no hope; yet here I am, as well as ever a man was, and I owe my life to Smith, and to the wonderful remedy he recommended."

The battle of Buena Vista was fought and won by General Taylor on Washington's birthday, 1847.

DOES WEALTH CORRUPT?

Walter Scott's Theory That Saving, Not Getting, Is the Mother of Riches.

Wealth is said to corrupt our species. We do not believe it. Wealth is one of the great civilizers of man. Wealth corrupts when it is suddenly got, or unjustly distributed; when, owing to monopolies or entails, or some other barbarous system, it is prevented from diffusing itself naturally and justly. But where all have an equal chance; where all start nearly even; where all have a certain degree of instruction to begin with; where superior skill and virtue alone give one man an advantage over another, there wealth is an unmixed blessing.

We ought to rejoice that the desire of wealth is so universal and so strong. It keeps the vast machinery of the world going. It has suggested the most beneficent enterprises and the most useful improvements. We owe to it the fact that a man who can earn one dollar to-day can be better lodged, better fed, better clothed, better taught, than kings and nobles could five hundred years ago.

Sir Walter Scott truly says that saving, not getting, is the mother of riches. This truth is wonderfully illustrated in the history of some families once poor but now noted for their wealth.

John Jacob Astor had a brother, not so well known as himself, but who possessed in an eminent degree the peculiar characteristic of the family—the art of saving money. It is told of him by an old New Yorker, that intending to operate upon the feelings of an acquaintance of whom he was about to make some purchases, he gave to the son of the latter, who was playing about the store entrance, a bright penny. The trade having been concluded, the thrifty Astor said to the little fellow: "Johnny, you've played mit the penny long enough; give it back to me."

Johnny, much surprised and not a little disheartened, handed over the penny, and Astor, depositing it in his pocket, walked off. He became a very rich man.—*N. Y. Ledger.*

—"It can not be too widely known," writes a medical man, "that cream separated by machinery from pure new milk, before it has cooled, is a full substitute for cod liver oil and that if, during the cold weather, those who have delicate constitutions which need concentrated nutrition but who can not overcome the nausea associated with cod-liver oil, will take this description of cream they will find in most cases, immense and lasting benefit. In several hospitals it has already quite superseded the nauseous oil.

HEADACHES.

Which are of regular or frequent occurrence, are nearly always caused by some derangement of the digestive organs, either temporary or habitual, like constipation. Nothing more efficacious than

HAMBURG FIGS

Can be found to regulate this derangement. Hamburg Figs are prepared in lozenge form, and are delightful to the taste. It is not, therefore, necessary to take nauseous medicines when you can obtain the compressed pulp of fruits and vegetables which compose Hamburg Figs. Where once tried the Figs become a household remedy. Sold by druggists at 25 cents a box.

For paralysis, and nervous diseases generally, Dujuard's Life Essence is the *true remedy*. Hundreds of cases of paralysis have been prevented by timely use of this *life-giving essence*. A physician in Oregon writes: "I have prescribed the Life Essence in several cases of sexual debility, and am surprised at the results. I thank you for placing such a remedy in my reach." Price, $1.50 a bottle. All druggists.

A good draft horse is the most valuable of all horses. If you have such a horse keep him and take care of him.

PRUDENCE! PRUDENCE!

In medication, as in aught else, prudence should be our guide. Yet thousands cast it to the winds. Every new nostrum finds its patrons, the medical empirics of every false school have their gulls. Every change in the gamut of humbug is rung successfully—for a time at least—the notes being furnished by the credulous. In happy contrast to the many advertised impostures of the day stands Hostetter's Stomach Bitters, now in its third decade of popularity, approved and recommended by physicians, indorsed by the press of many lands, sought and prized by invalids everywhere. It is an ascertained specific for and preventive of malarial diseases, chronic indigestion, liver complaint and constipation, checks the growth of rheumatism and neuralgia, is a peerless invigorant and useful diuretic. Nervous people benefit by it.

It is a matter of economy, as well as mercy to properly mate horses that have to work side by side through the seige of hard work during the spring and summer.

IMITATORS AND IMPOSTORS.

The unequal success of ALLCOCK'S POROUS PLASTERS as an external remedy has stimulated unscrupulous parties to put forth imitations which they endeavor to sell on the reputation of Allcock's. It is an absurdity to speak of them in the same category as the genuine and original porous plaster. Their pretensions are unfounded, their vaunted merit unsupported by facts, their alleged superiority to or equality with Allcock's false pretence.

The ablest medical practitioners and chemists and thousands of grateful patients unite in declaring ALLCOCK'S POROUS PLASTERS the best external remedy known.

Give horses clean, substantial food, so prepared that you would be willing to taste it yourself.

A YOUNG GIRL'S GRIEF

at seeing her charms of face and form departing, and her health imperiled by functional irregularities, at her critical period of life was turned to joy and gratitude after a brief self-treatment with Dr. Pierce's Favorite Prescription. It purified and enriched her blood, gave a healthy activity to the kidneys, stomach, bowels, and other organs, and her return to robust health speedily followed. It is the only medicine for women, sold by druggists, under a *positive guarantee* from the manufacturers, that it will give satisfaction in every case, or money will be refunded. This guarantee has been printed on the bottle-wrapper, and faithfully carried out for many years.

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A Article of Great Merit.—"*Brown's Bronchial Troches*" are the most popular article in this country or Europe for Throat Diseases and Coughs, and this popularity is based upon real merit. *Sold only in boxes.*

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I guarantee the **New-Fangled Advance Separator** to be the best grain-saving, fastest Thresher and most durable Separator ever made. But, **remember**, it is not an **experimental** machine, as the **Old Fogy** machines are. You are well aware of the time lost (that you have to pay for) in experimenting with **Old Fogy** machines. **The New Fangled Thresher leads** the way. The growling and kicking of the Old Fogy agents is only equaled by the amount of grain kicked out in the straw by the **Old Fogy** machines. Of course, if you wish a cheap machine, Old Fogies will supply you at your own price; but their machines are dear at any price. You cannot afford to buy a thresher without examining the **ADVANCE.** Do not be talked into buying a machine because it is cheap and **Old Fogyish.** Ask the **Old Fogy agents** if they will set beside the **new-fangled** machine and let you see which is the experimental machine, and sold on its **merits.** I have never yet had to call on any court to help decide the merits of the **new-fangled** machine. Please examine the court records in reference to the **Old Fogie's** plan. Many years ago a man built a **new-fangled** machine, called a steam engine. **Old Fogies** then, as now, stood back and said they would **ruin the country. Do you not want to be ruined in the same way?** Remember, the **new-fangled** machine is past all **experimenting,** while **Old Fogy's** machines are being experimented with all the time, and at **your expense.** Do not fool with them any longer, while your grain is going to **waste.**

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I hereby challenge any old fogy agent to name ANY case where the ADVANCE machine has failed to do as represented since its introduction on this Coast. Show up or shut up.

Remember that old fogy agents saying the contrary does not make it so. **It will pay you to investigate. I can prove all I say.**

I also sell the well known **DINGEE WOODBURY POWER.** A number of manufacturers make them on a **royalty** but I do not know of any **imitations,** but am always inclined to look out for those that talk of imitations. I also deal in **Laundry and Marine** Machinery, Farm, Church and School Bells, General Machinery, Swift Oilers, Orme Safety Valves, Miller Pumps, Hancock Inspirators, Park & Kennedy Injectors, Acme and Alligator Wrenches, Blacksmith Drills, Self-Heating Bath Tubs, the Westinghouse Engines. See the prices: 10-horse on wheels, $900; Traction, $1075; 15-horse Traction, $1400. Special discount for cash. General Agent for Colburn's **Dynamos** and Lamps for **Electric Lighting—5 to 200 lights.**

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