



BUSINESS CARDS.

JOHN H. SMITH,
ATTORNEY AT LAW.
Office on Cass street, 2 doors back of Odd Fellows Building, Astoria, Oregon.

REEB MANAGA,
ATTORNEY AT LAW.
Office over White House Cor., Astoria, Or.

GEO. NOLAND,
ATTORNEY AT LAW.
Office in Kinney's Block, opposite City Hall, Astoria, Oregon.

G. C. FULTON,
FULTON BROTHERS,
ATTORNEYS AT LAW.
Rooms 5 and 6, Odd Fellows Building.

C. E. THOMSON,
Attorney at Law and Notary Public.
Special attention given to practice in the U. S. Land Office, and the examination of land titles. A full set of Abstract Books for Clatsop County in office.
Office—Up stairs, opposite Telegraph Office.

J. Q. A. BOWLEY,
Attorney and Counsellor at Law
Office on Chenamus Street, Astoria, Oregon

C. R. WATSON,
Att. at Law and Deputy Dist. Atty.
All business before the U. S. Land Office a specialty.
ASTORIA, OREGON.

DR. J. K. LA FORCK,
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Rooms 11 and 12 Odd Fellows Building.
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DRS. A. L. AND J. A. FULTON,
Cass street, between 3rd and 4th.
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JAY TUTTLE, M. D.,
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Office—Rooms 3 Fythian Building.
Residence—SE corner Wall and West 4th streets, opposite J. W. Case's.

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Rooms in Allen's Building, up stairs, corner Cass and Squemoque streets, Astoria Oregon.

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Diseases of Women and Children, and of the Eye and Ear, specialties.

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Special attention to Diseases of Women and Children.
Office: Opposite Telegraph Office, up Stairs, Astoria, Oregon.

DR. ALFRED KINNEY,
Has removed his office from the Kinney Cannery building and can hereafter be found in his NEW OFFICE, in the basement of his Residence.
One Door East of the Opera House.

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As they can get Better Fits, Better Workmanship, and for less money.
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CHOICE LOTS IN MULKETT'S ADDITION to Ocean Grove for sale upon reasonable terms. Now is the time to buy before the boom. Apply to
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Wines, Liquors and Cigars.
A Large Stock of
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THE TRADE
Supplied at Lowest Market Rates.
All orders filled promptly and Accurately.
Agents for First Class Foreign and Domestic Brands.
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Has a First Class
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Astoria Iron Works.

Concomly St., Foot of Jackson, Astoria, Or.
General
Machinists and Boiler Makers.
Land and Marine Engines
BOILER WORK.
Steamboat Work and Cannery Work
A SPECIALTY.
Castings of all Descriptions Made
to Order at Short Notice.
JOSEPH FOX, President and Sup't.
A. L. FOX, Vice President
J. G. HUNTLEY, Sec. and Trans.

BRAINS VS. MACHINERY.

Iron Makers Preparing For Big Enterprises.

Every year the machinery in the iron mills of Pittsburg, Pa., is being made more ponderous. The necessity for this lies in the demand for immense castings. Everything is growing larger than in former times. Ships are bigger, locomotives are more powerful, iron front buildings are higher, and agricultural implements are vastly larger. The development of mill apparatus to meet this increase has been gradual, but within the last two years a wonderful impetus has been given to the forward movement by the building of the new war vessels for the United States navy.

Andrew Carnegie has just completed the building of a mill at Braddock, one of the suburbs of Pittsburg, expressly intended for the manufacture of this government work. There is not a single bit of apparatus in it, but what is the largest of its kind in the world. The shears, which snap a bar of iron in two as though it were tissue paper, exceed anything in size that has ever been known by the sons of Vulcan. The lathes are greater, the rolls are longer and heavier than anything the balance of the country can show, and even the steam boilers are the largest ever made by the hand of man. In the Black Diamond steel works, Thirteenth street, Pittsburg, there is the largest steam hammer in the United States. The blow of fifty tons which it strikes every second of time that it is in operation shakes the earth for two squares around the mill. Yet it is so easily controlled, and so nicely adjusted that the hammerman has placed on the anvil block beneath it a delicate turn glass containing an egg, and turning on the steam full force would let the ponderous weight above fall until at a certain distance, and then shut the steam off. In this way the hammer has been kept for several minutes tapping the glass and egg without breaking them.

But now the government itself is going to throw all these marvelous achievements in the background by the improvements at the navy yard in Washington City. They will transform that quiet place into the most powerful workshop in the universe. For instance, there was not found in the mills and foundries of the whole United States "traveling cranes" big enough to move about the immense castings and wrought iron parts of large cannon which the war and navy departments have projected. These cranes are very familiar objects in the yards and iron mills everywhere. They are simply a block and tackle arrangement so fixed upon a steam car that they will pick up a heavy piece of metal and ruck off speedily to any part of the building with it. The largest of these "travelers" in Pittsburg will carry a burden of thirty tons with safety to the ropes and rigging. In the Midville Steel Works, Pennsylvania, a traveling crane of twenty-six tons capacity has been erected to facilitate the handling of the castings for the new war ships. These are now the two largest apparatus of the kind in the country. But work will soon be commenced on a traveling crane for the Washington navy yard which will have a carrying capacity of 110 tons. This is intended for use in the manufacture of a 110-ton gun, which when finished will be the largest in the coast defense of the United States. To "turn" this wonderful cannon a lathe is now being made which will surpass all other lathes in size. The machine will have to be 120 feet long and will have a "read" of nine feet. The gun itself will be fifty feet long, and to turn and bore it the lathe will, of course, be required to be double that length.

All the tools and machinery to make this big cannon are being made purposely for the job, so large and strong must they be. The contract for delivery of the steel forgings has been concluded with the Bethlehem Steel Works, of eastern Pennsylvania. But before that company could make the forgings, they too had to erect a new plant large enough for the big sizes. The 110-ton gun will be of

16-inch caliber, will require a charge of 1,000 pounds of powder, and will throw a projectile weighing 2,000 pounds. To even make these projectiles will necessitate larger machinery in that line than is now in existence. Then, to transport the gun finally over the different lines of railroad (if the ocean route is not taken) would require stronger iron bridges than are now in use. So the work of enlargement goes on almost indefinitely.—N. Y. Letter.

The Greatest And Least Rainfall.

Rainfall in the United States varies in different sections from less than 4 to more than 100 inches. The rule may be generally followed of a decreasing rainfall with increased distance from the ocean. Rainfall works inversely on the sea line, decreasing on the Atlantic from south to north, and increasing on the Pacific side from south to north. The greatest rainfall in the world is at Cherrapunji, Assam, India, where the average is 493.2 per year. In 1871 for one year it was 905.1, or 55.5 feet. In the United States it is smallest in Lower Colorado. Generally the United States is blessed with a fair rainfall. "There is scarcely any locality in the United States where rain to the amount of 2 inches does not occasionally fall in a single day, while a fall of 1 inch is not unusual." Downpours are not uncommon, and General Greeley gives many instances. At Brownsville, Texas, during September 21 and 22, 1886, there fell 11.9 inches of rain, but 30.4 was recorded in Rewah, India, and the climax was reached in Purneah, Bengal, when, in 1879, there fell in the day 35 inches. Ten inches in two hours, occurring in Pennsylvania, is a fair record. cloudbursts are exceptional phenomena. In Arizona, in 1881, there was a cloudburst. A stream which was dry rose in the day to be 15 feet deep, and in thirteen hours was dry again.—N. Y. Times.

Druggists are best informed from experience what remedy is applicable to different diseases and their evidence is more valuable than that of anybody else. Read the following testimonial: "I have been selling Simmons' Liver Regulator for ten years, and can say I never sold a medicine that has given such satisfaction. Our doctors use it and prescribe it in their practice."—C. W. CONWAY, Druggist, Wilton, N. C.

Many of the blessings universally desired are frequently wanted, because most men, when they should labor, content themselves to complain; and rather linger in a state in which they cannot be at rest than improve their condition by vigor and resolution.

DO NOT SUFFER ANY LONGER.
Tired feeling, dull headache, pains in various parts of the body, sinking at the pit of the stomach, loss of appetite, feverishness, pimples or sores, are all positive evidence of poisoned blood. No matter how it became poisoned it must be purified to avoid death. Acker's English Blood Purifier has never failed to remove scrofulous or syphilitic poisons. Sold under positive guarantee by J. W. Conn, Druggist.

Fanned by the charm of loveliness, the independent and virtuous spirit amalgamates with what is earthly. Thus it is that love defies the dust and brings down upon earth that which is heavenly.

PARENTS CRIMINALLY LIAR.
More than half of all deaths occur before six years of age. An army of innocent, lovely children are swept needlessly away each year. Parents are originally responsible for this. The death rate of children in England is less than half this. Acker's English Baby Sooter has done more to bring this about than all other causes combined. You cannot afford to be without it.
J. W. Conn, Druggist.

The power of applying an attention, steady and undissipated, to a single object, is the mark of a superior genius.—Chesterfield.

BETTER THAN SUICIDE.
Professor Arnold says: "An incurable dyspeptic is justified in committing suicide. We will guarantee to cure any dyspeptic within three months by Acker's English Dyspeptic Tablets."
J. W. Conn, Druggist.

Bucklen's Arnica Salve.
THE BEST SALVE IN THE WORLD FOR Cuts, Bruises, Sores, Ulcers, Salt Rheum, Fever Sores, Tetter, Chapped Hands, Chilblains, Corns, and all Skin Eruptions, and positively cures Piles, or no pay required. It is guaranteed to give perfect satisfaction, or money refunded. Price 25 cents per box. For sale by J. C. Dement.

DR. PRICE'S CREAM BAKING POWDER

FULL WEIGHT PURE
MOST PERFECT MADE

Its superior excellence proven in millions of homes for more than a quarter of a century. It is used by the United States Government. Endorsed by the heads of the Great Universities as the Strongest, Purest, and most Healthful. Dr. Price's Cream Baking Powder does not contain Ammonium, Lime, or Alum. Sold only in Cans. **PRICE BAKING POWDER CO.** NEW YORK. CHICAGO. ST. LOUIS.

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Latest Styles in Dress Silks,
AND
Trimmings, Velvets, Satins, Vesting, Kid Gloves, Hose Supporters, etc.
Latest materials in fancy work. Lessons given in Fancy Work, and work done to order.
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Finest Wines, Liquors and Cigars
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A share of the public patronage solicited.
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New Goods Arriving Every Steamer
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STOVES, TINWARE
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SHEET LEAD STRIP LEAD
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Tin and Copper.

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Water Street, Two Doors East of Olney.
Fine Cigars, Tobaccos and Smokers Articles,
Sold at Lowest Market Rates.
FRUITS, CANDIES NOTIONS, &c

Assignee Notice.
NOTICE IS HEREBY GIVEN THAT THE Lewis and Clarke Lumber and Manufacturing Company, of Astoria, Oregon, (a private corporation formed and existing under the laws of the state of Oregon), did, on the 25th day of October, 1888, make a general assignment to me for the benefit of their creditors. All persons having claims against said company are requested to present the same under oath, to me at my office in Astoria, Oregon, within three months from this date, November 2, 1888.
J. Q. A. BOWLEY
Assignee.

Meeting Notice.
THE REGULAR ANNUAL MEETING OF STOCKHOLDERS OF THE Pythian Land and Building Association of Astoria, will be held at their hall at 2 P. M., Monday, Dec. 31, 1888, for the purpose of electing a board of five Directors for the ensuing year, and for the transaction of such other business as may come before the meeting.
S. T. MCKEAN, Secretary.
Astoria, Or., Nov. 18, 1888.

Stockholder's Meeting.
THE REGULAR ANNUAL MEETING OF THE stockholders of the Pythian Land and Building Association will be held at their hall at 2 P. M., Monday, Dec. 31, 1888, for the purpose of electing a board of five Directors for the ensuing year, and for the transaction of such other business as may come before the meeting.
E. A. NOYES,
Secretary.

I. L. OSGOOD'S

CLOTHING, FURNISHING GOODS, AND HAT STORE.
Has received direct from the importers for Holiday Presents
Gents Fine White Plain and Hemstitched Silk Handkerchiefs, in both Chinese and Japanese Goods, also in Colored Borders, Plain and Hemstitched Linen Handkerchiefs, also in Colored Borders,
Gent's fine Suspenders, Silk Scarfs,
Fancy Hosiery, Fine Dogskin and Fur-top Gloves, Fur Caps, Fine Hats, Silk Umbrellas with gold plate handles. The best gold plate goods in patent Sleeve Buttons, Collar Buttons, Scarf Pins, Gent's Fancy Embroidered and plain Night Shirts, White and Fancy Shirts, Fancy Underwear, Gent's and Boys' Fine Suits, etc., etc.
A child buys as cheaply as the most experienced buyer.
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Astoria, Oregon.
Kinney's Brick Building, Opposite Rescue Engine House.
Street Cars running by the door.

WALL PAPER AND CEILING DECORATIONS!

5000 double roll of Wall Paper and Decorations of the latest styles and shades just received direct from Eastern factories.
Also a large assortment of
CARPETS,
Of all grades in beautiful new designs
New Smyrna Rugs, Portiere Curtains, China Matting, Etc., Etc.
Call and examine.
CHAS. HEILBORN.

The New Model Range

CAN BE HAD IN ASTORIA, ONLY OF
E. R. HAWES,
Agent. Call and Examine It; You Will be Pleased. E. R. Hawes is also Agent for the
Buck Patent Cooking Stove,
AND OTHER FIRST CLASS STOVES.
Furnace Work, Steam Fittings, Etc., a Specialty. A Full Stock on Hand.

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EVENSON & COOK.
On the European Plan.
LARGE CLEAN ROOMS,
A FIRST-CLASS RESTAURANT
Board by the Day, Week or Month.
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Transient Custom Solicited.
Oysters, Fish, Meats, Etc., Cooked to Order.
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Newly Repainted, Repaired, Refitted, Refurnished and Thoroughly Renovated.
A Large, Clean, Well-kept House.
RATES:
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First-class in all its appointments, clean, neat, sunny rooms, well furnished and well kept.
YOU ARE INVITED TO CALL.
Free Coach to and from the House.

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H. B. PARKER, Prop'r.
First Class in Every Respect.
Thoroughly renovated and repaired throughout; 87 large sunny rooms.
TWO DINING ROOMS.
Tables supplied with everything the market affords.
Elegant Bar and Billiard Rooms. Finest Wines, Liquors and Cigars.
FREE COACH TO THE HOUSE.

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