4

COMMERCIAL.

San Francisco Produce Market.

SAN FRANCISCO, September 14th—1 P. M.

FLOUR—The Newark will likely sail to-day for Queenstown with a full cargo of 16,404 bbls. Best City Extra, $6 37½@6 60; Superfine, $4 50@4 75; Interior Extra, $4 75@5 25; Interior Superfine, $3 75@4 ℔ bbl.

WHEAT—The market is fast assuming better shape. Freights are declining, and the situation at Liverpool is improving. Sellers are scarce, while buyers are more plenty. On call this morning at the Produce Exchange no one would name a selling figure for September or October delivery, and it was almost by force that a lot of 100 tons No. 1 was parted with for November at $1 71½. An offer to take more at the same price found no response. A speculative offer of $1 74 was made for deliveries of No. 1 buyer's option all 1882, without finding a seller.

At the Grain Exchange this afternoon there were free offerings, while sales were quick and prompt, as follows: 100 tons No. 2 September, $1 63½; 1,000 do October, $1 64; 400 do, $1 64½; 100 do November, $1 65; 200 do, $1 65½ ℔ ctl.

Quotations of No. 2 grades at leading centers to-day are telegraphed as follows:

	Chicago.	St. Louis.	New York.
Spot, ℔ cental	$1 65½	$1 52½	$1 81½
September	1 66	1 56	1 81½
October	1 57½	1 55½	1 82½
November	1 46	1 55½	1 84½
December		1 56½	1 87½

BARLEY—Liberal receipts of Chevalier are coming forward. Some 7,000 ctls arrived to-day, understood to have been sold at least a week ago. A good inquiry is reported for this description for export purposes. The interest in Feed is well maintained. On call this morning there was some lively bidding, resulting in pretty liberal trading. At least 1,700 tons changed ownership, as follows: 100 tons No. 1 September, $1 30; 500 do October, $1 30; 500 do November, $1 31½; 200 do, $1 32; 100 do, $1 32½; 200 do, $1 32½; 100 do No. 2 September, $1 26; 100 do, seller 1882, $1 25½; 100 do, $1 26 ℔ ctl. Outside spot sales were reported of 1,500 bags good feed at $1 20, and 600 do common at $1 27½. Advices of coast Chevalier were also effected at $1 27½. New Brewing is quotable at $1 35@1 40 ℔ ctl.

OATS—There is considerable irregularity in values, consequent on the difference in quality of the several offerings. Spot sales of No. 1 are reported in a small way at $1 60. From $1 50 to $1 70 would be a full range.

RYE—Sellers are firm holders at $2 25 for No. 1 quality.

CORN—The asking price for spot lots of No. 1 large Yellow is $1 80 ℔ ctl.

BUCKWHEAT—$1 40@1 50 ℔ ctl.

HAY—Alfalfa, $11@13 50; Wheat, $13@15 50; Wild Oat, $12@15 ℔ ton.

HOPS—We quote medium quality at 35@40c, with good to choice at 45@50c ℔ ℔.

SEEDS—Quiet. Mustard, $3 for Brown, and $1 75 @1 90 for Yellow; Canary, 4½@6c; Hemp, 4½@5c; Rape, 2½@3c Timothy, 7@8c for native, and 10@11c for imported; Alfalfa, 10@12½c; Flax, 2½@2½c ℔ ℔.

POTATOES—Receipts not large. Early Rose, 75@87½; Garnet Chile, 95c@$1 05 ℔ ctl; Sweet, $1 50@1 75 ℔ ctl.

ONIONS—50@70c ℔ ctl for Silverskins and 30@40c ℔ sack for Red.

BEANS—Bayos, $2 40@2 50; Butter, $3 25@3 50 for small, and $3 60@3 80 for large; Limas, $3 50@3 75; Pea, $2 50; Pink, $2@2 25; Red, $2@2 25; small White, $2 50; large White, $2 30@2 40 ℔ ctl.

VEGETABLES—Marrowfat Squash, $5@8 ℔ ton; Carrots, 30@50c; Turnips, 75c@$1 ℔ ctl; Cauliflower, 60@65c ℔ doz; Cabbage, 50@75c ℔ ctl; Garlic, 1½@ ℔ ℔; Cucumbers, 25@30c ℔ box; Green Peas, 4c ℔ ℔; Green Peppers, 50@75c ℔ box; Tomatoes, 15@30c ℔ box; Spinach, 25c ℔ sack; Celery, 50c ℔ dozen; Summer Squash, 50c ℔ box; String Beans, 5@6c ℔ ℔; Lima Beans, 2½c ℔ ℔; Green Corn, 7@15c ℔ dozen; Okra, 50@75c; Egg Plant, 50@75c ℔ box.

FRUIT—Supply and demand are so well balanced that there is but little opportunity for any marked change in prices. Apples, 30@50c for common and 75c@$1 ℔ box for good; Pears, 40@60c ℔ box; Bartlett do, $1 50@2 ℔ box; Strawberries, $8@10 ℔ chest; Raspberries, $10@12 ℔ chest; Peaches, 35c@$1 ℔ box and 50c@60c ℔ basket; Figs, 40@75c ℔ box; Grapes, 35@50c for common, 50@75c for Black Hamburg, 60@75c for Rose of Peru, 50@75c ℔ box for Muscat, and 75c@$1 ℔ box for Tokay; Quinces, 75c@$1 ℔ box; Plums, 25 @75c ℔ box; Blackberries, $5@8 ℔ chest; Watermelons, $3@7 ℔ 100; Cantaloupes, 75c@$1 ℔ crate; Lemons, $8@9 ℔ box for Sicily and $1@1 50 ℔ box for California; Limes, $14@15 ℔ box for Mexican; Tamarinds, 12@15c ℔ ℔; Bananas, $2@3 50 ℔ bunch; Pineapples, $6@8 ℔ dozen; Tahiti Oranges, $35@45 ℔ 1,000. Casaba Melon, 12@15c apiece.

DRIED FRUIT—Sun-dried Apples, 5@5½c for sliced and 4@4½c for quartered; Alden and Plummer, 8@10c; Apricots, 12@14c; Blackberries, 10@11c; Figs, 3½@4c for pressed and 3@3½c for unpressed; Smyrna do, 16@19c; Nectarines, 12@13c; Peaches, 12@13c for peeled and 5@6½c for unpeeled; Pears, 5@6c for whole and 6½@7c ℔ ℔ for sliced; do, machine dried, 8@10c; Prunes, 9@10c for pitted and 3@4c for unpitted; German Prunes, 8@9c; French Prunes, 10c ℔ ℔; new crop Raisins, $2 75 ℔ box.

HONEY—Comb, 14@17c; extracted, 7@9c ℔ ℔.

BUTTER—Offerings continue free. Fancy, 40c; choice, 35@37½c; fair to good, 29@32½c; inferior lots from country stores, 23@25c; firkin, 29@31c for good to choice, and 25@27½c for ordinary; pickled roll, 30@32½c; Eastern, 20@25c ℔ ℔.

CHEESE—Inquiry not very active. California, 12½@13½c for choice; 10@12c for fair to good; do, factory, in boxes, 15@16c; Eastern, 16@17c; Western, 11@13½c ℔ ℔.

EGGS—Prices unchanged. Some recent arrivals of Utah are turning out in bad order, being stale and musty. If shipped of such parcels realize the cost of freight they will be fortunate. California, choice, 39@41c; interior, 32½@35c; Utah, 25@35c ℔ dozen.

POULTRY—The market is quite firm, and will probably keep so for the remainder of the week. Live Turkeys, gobblers, 18@20c; do Hens, 17@ 18; Roosters, $5 50@6 50 for old, and $5@7 for young; Hens, $6@8; Broilers, $3 50@4 50, according to size; Ducks, $5@7 ℔ doz; Geese, $1@1 25 ℔ pair; Gosling, $1 50@1 75 ℔ pair.

GAME—Hare, $1 75@2 25; Rabbits, $1@1 50 ℔ doz; Doves, 50@75c ℔ doz; Venison, 10@12c ℔ ℔.

PROVISIONS—Eastern Hams, 18½@19c ℔ ℔; California Hams, 16½@18c ℔ ℔; do Bacon, 16½@ 17c for sugar-cured canvased; Eastern Breakfast Bacon, 17½@18c; California Smoked Bacon, 16@16½c for heavy and medium, and 17@18c for light and extra light; Clear sides, 16½@16½c; Pork, $21 50@22 for Extra Prime, $24@25 for Prime Mess, $25@25 50 for Mess, $27 for Clear, $28@28 50 for Extra Clear; Pig's Feet, $10@11 ℔ bbl; Mess Beef, $14 for bbls and $7 for half bbls; Extra Mess Beef, $15 50@15; Family Beef, $16@16 50 ℔ bbl; California Smoked Beef, 14½@14½c ℔ ℔; Beef Tongues, $9 50@10 ℔ dozen; Eastern Lard, 15½c for tierces and 16½@17c ℔ ℔ for pails; California do, 10-lb tins, 14@15c; 5-lb do, 15@15½c; pails, 16@16½c; kegs, 15@15½c; Royal do, 16½@16½c for 10-lb, 16½@16½ for 5-lb, and 16½@17c ℔ ℔ for 3-lb pails.

WOOL—Small sales of fall are reported within a range of 11@14c ℔ ℔. We quote spring:

Humboldt and Mendocino, ℔ ℔	25@26½c
Sonoma	24@26
Siskiyou and Modoc	20@25
San Joaquin, free	17@18
San Joaquin, defective	No sale
Southern Coast, burry and seedy	15@17
Eastern Oregon, choice	23@24
Eastern Oregon, fair	20@22
Eastern Oregon, poor	18@19
Valley Oregon, fine	25@27
Valley Oregon, coarse	23@24

San Francisco Meat Market.

Following are rates for whole carcasses from slaughterers to dealers:

BEEF—Prime, 7½@8c; medium grades, 6½@7c; inferior, 5½@6c ℔ ℔.

VEAL—Large calves, 6½@7c; small ones, 8@10c ℔ ℔.

MUTTON—Wethers are quotable at 4½@5c, and ewes at 4@4½ ℔ ℔, according to quality.

LAMB—Quotable at 6@6½c ℔ ℔.

PORK—Live hogs, 7½@7½c for hard, and 7@7½ for soft; dressed do, 10½@10½c ℔ ℔ for hard grain Hogs.

Sacramento Produce Market—Wholesale

(Corrected daily for the RECORD-UNION.)

SACRAMENTO, September 14th.

FRUIT — Grapes, $1 ℔ crate; common, 50@75c; Peaches, 50c@$1 25 ℔ box; Lemons, Sicily, $9@10; do, California, $1 50@2 ℔ box; Oranges—Tahiti, $5@6 50 ℔ box; Limes $2 ℔ 100; Bananas, $3 50@4 50 ℔ bunch; Pineapples, $6@9 ℔ dozen; Cocoanuts, $6 50 @7 50; Plums, 2@4c ℔ ℔; Prunes, 2@4c ℔ ℔; Figs, common, 75c@$1 25; Bartletts, $1 50@2 ℔ box; Apples, 75c@$1 25 ℔ box.

TABLE FRUITS—Assorted, 2½-lb cans, ℔ doz, $2 75; Peaches, $2 85; Bartlett Pears, $2 85; Plums, $2 85; Blackberries, $3; Gooseberries, $3 25; Strawberries, $3 25; Apricots, $2 85; Muscat Grapes, $2 75; Red Currants, $3 25; Cherries, $3 25.

PIE FRUITS—Assorted, 2½-lb cans, ℔ doz, $2@2 12½; assorted, gallon cans, $5; Peaches, 2½-lb cans, $2; Portland Blueberries, 2-lb cans, $2; Whortleberries, $1 75.

DRIED FRUITS—Apples, sliced, 6@8c ℔ ℔; do quartered, 5@6c; pears, peeled, 8@10c; do, unpeeled, 4@5c; Plums, pitted, 10@11c; Peaches, 9@10c; do, peeled, 15@20c; Prunes, German and French, 12@14c; Blackberries, 16@17c; Figs, California, 6@7c ℔ ℔, but none of fresh crop in market.

VEGETABLES—Sweet Potatoes, Red, 1½@1½c ℔ ℔; Carolinas, $1 37½@1 62½ ℔ cwt; Wax and String Beans, 1½@2c; Shell Beans, cranberry, 4@5c; Limas, 4@5c ℔ ℔; Green corn, 15@20c per dozen; Tomatoes, 50@60c ℔ box; Summer Squash, 1½@2c ℔ ℔; Potatoes, $5@$1 10 ℔ cwt; Onions, 60@75c ℔ cwt; Cauliflower, 50c; Cabbage, $1@1 10 ℔ cwt; Carrots, $1 ℔ cwt; Turnips, $1 25 ℔ 100; bunch vegetables, 12½@ ℔ doz; Parsnips, 1½c; Beets, 1c; Celery, 75c ℔ dozen; Horse Radish, 8@10c ℔ ℔; Green Peas, 9@6c ℔ ℔; Artichokes, 25@30c ℔ dozen; Cucumbers, 4@ 6c ℔ doz; Green Peppers, 4@5c ℔ ℔; Egg Plants, 4@5c; Watermelons, 75c@$1 ℔ doz; Cantaloupes, 50@75c ℔ dozen; Green Okra, 60@75c ℔ ℔.

BREADSTUFFS—Flour, $5 25 ℔ bbl; Oatmeal, $5 ℔ 100 lbs; Cornmeal, yellow, $3 25@3 50; white, $2 35@2 60; Cracked Wheat, $2 75@3.

POULTRY—Live Turkeys, 12@13c ℔ ℔; full grown Chickens, $6 50 ℔ dozen; young Roosters, $3@4 50 ℔ doz; Broilers, $2@3; Ducks, $4@4 50; Geese, $1 50@2 ℔ pair; Eggs, 40@45c ℔ dozen.

DAIRY PRODUCTS—Butter, fancy dairy, 37½@40 ℔ ℔; mixed lots, in rolls, 3½@35c ℔ ℔; Cheese, California, from 11@13c; Western, flats, 10@15c; Martin's Cream, 13@22c.

MEATS—Beef, 7c; Mutton, 6c ℔ ℔; Lamb, 7@8c; Pork, 10@11c; Veal, small calves, 8@9c; large, 7c.

HAY, GRAIN AND FEED—Oat hay, ℔ ton, $16@18; alfalfa, $10 to $12 ℔ ton; bran, ℔ ton, $18; middlings, $28 per ton; barley, whole, $1 40; ground, $1 45; wheat, $1 65@1 75 ℔ cwt; tame oats, ℔ cwt, $2 25; corn, yellow, $2@2 25 ℔ cwt; white, $2 25@2 50 ℔ cwt.

MISCELLANEOUS—Seeds—Alfalfa, 10@12½c; Timothy, Eastern, 11@12c ℔ ℔; Oregon, 8@10c; Red Clover, 16@18c; Red Top, 12½@14c; Nutmeg English Walnuts, 13@14c; Almonds, 18c; Peanuts, 11@12c; Tallow, 7½@8c; Hides, salt, 9@10c; dry, 20; Hops—New York, 60@60c; California, 45@60c.

San Francisco Stock Sales.

SAN FRANCISCO, September 14th.

MORNING SESSION.

610 Gould & C	4 10@4 15	260 Justice	30c
895 Mexican	4 60@4	425 Union	76@4
550 Gould & C	4 10@4	600 Alta	85@4
160 B. & B.	72@72½	700 S. Hill	10c
400 California	1 30@1	100 New Yo	10c
300 Savage	1 05@1 05	100 Occidental	31
600 Potosi	1 45@1 50	280 Andes	1 50
200 do	1 45	230 Scorpion	85@8c
125 Con. Vir	1 20	275 Benton	30c
175 Chollar	3 75@3 8	260 N. S. Nev	35c
100 Crown Point	3 30@3 35	760 Albion	2 30@2 15
150 do	3 30@3	300 Day	90c
650 Y. Jacket	1 40@1 45	200 Argenta	95c
100 Kentuck	30c	400 Prince	30c
200 Belcher	65c	450 Belle Isle	55@56c
90 Confidence	1 40	50 N. Belle	1 12
270 S. Nevada	1 50@1 55	200 Cal	10c
20 Utah	4 00	1400 Exch	46@50c
400 Bullion	70c	50 Tip	2 10
140 Exchequer	45@50c	100 Independence	1
250 Overman	30@35c	100 Silver King	14
15 Sup. Belcher			

AFTERNOON SESSION.

60 N. Belle	13	870 Justice	30@35c
70 Eureka	14	1325 Potosi	1 40@1 45
330 Prince	30c	1460 Union	76@1
1830 Argenta	1	800 Exchequer	45@50c
500 Bullion	70c	910 Benton	35@30c
200 Belle Isle	50c	365 Hale & N	2 20@2 30
200 Day	90c	220 Belcher	55c
710 Alpha	2 20@2 15	155 Mexican	45@44c
1350 N. Belle Isle	15	1450 California	35c
do assessed	15c	1120 Alta	65@61
60 Utah	4 00	370 S. Nevada	1 50@1 55
100 Bodie	4 85@4 87½	400 Savage	1 65
50 Mono	50c	120 Alpha	2
1250 Ophir	20c	100 Best & B	72@72½
280 Brass Wire	50c	1150 Chollar	3 50@3 60
350 M. White	3 50	500 Silver Hill	10c
100 Atlas	4 90	560 G. & C	4 15@4 10
800 Union	4 10@4 05	800 Andes	1 45@1
15 Pinal	1	740 Bullion	70@68c
1620 C. Vir	1 25@1 20	540 Overman	35c
15 Y. Jacket	1 45@1 5	250 Scorpion	90c

Such artificial manures as are suitable for sugar canes must be rich in phosphoric acid and in nitrogen, so as to be suitable for ready assimilation. Starting with this general principle, M. E. Riffard found that the yield was at the rate of 356,000 kilometers of sugar per hectare.

COAST AND STATE.

Forty miles west of Wickenburg, A. T., is a group of copper mines for which $1,000,000 has been refused.

The schools of Mendocino county are deserted by the children, who are engaged in hop-picking. The boys and girls earn about 75 cents per day.

The timber from Cœur d'Alene to Pen d'Oreille is on fire, and northern Idaho is one dense black smoke. The deer are leaving for the open country.

The Helena (Mont.) *Independent* says that the Yanktonia Indians are stealing horses and committing all manner of depredations in the Bad Lands.

Great excitement is reported at Yankee Fork and the mining camps of that section, over new discoveries of some very rich silver ledges on the middle fork of Salmon river. Many prospectors have gone there to locate claims.

The Northern Pacific graders, in digging a heavy cut near Fort Ellis last week, unearthed the skeleton of a large mastodon, in an excellent state of preservation. The molars are said to be about six by twelve inches on the face.

It is stated that mullet are running up the Pajaro and Elkhorn sloughs. These fish appear annually for a few weeks, and then suddenly disappear. They do not appear further north than the Bay of Monterey. It is said they come from the Mexican coast, and are among the best table fish caught.

Captain Sam, the Shoshone Chief, died in Lander county, Nev., last week, and according to the big medicine man of his tribe, his death was caused from the influence exercised by evil spirits in his horses. The superstitious Indians cut the throats of all of them—four in number—and now think they are safe.

The Tongue river ditch, Montana, will be sixteen miles in length, and for a distance of two miles the water will be conveyed in large iron pipes. A reservoir, to contain 6,000,000 gallons with forty feet of head, will be constructed. Miles City will be supplied with water and 30,000 acres of good land irrigated. The entire work will cost about $40,000.

Manzanita lake is three-quarters of a mile long and half a mile wide, and is fed by Manzanita creek, a stream heading in the snow of Lassen Butte, six or eight miles above. From its borders some of the projecting crags of Mount Lassen seem to tower above, but they are in reality six miles distant. The surrounding scenery is grand beyond description.

Two Mormon Bishops recently passed through Tucson, Arizona, on their way to investigate the lands in Sonora, with a view of establishing a colony there. They have recently purchased a large tract of land at Gila Bend, on the north side of the river, including the Webb claim, a water right which is capable of irrigating from 25,000 to 50,000 acres of farming land.

The Nevada City *Transcript* says: Numerous canaries about town are killed from time to time, while hanging in their cages out of doors, by what is known as the "butcher bird," or great American shrike." The heads of the songsters are sometimes torn off by this savage bird, which is about half as large as an ordinary pigeon, is slate-colored, with white spots on the wings. It is armed with a long bill shaped like that of a hawk, and is very ferocious.

SAN FRANCISCO NEWS.

Officers B. C. Triplett and D. J. Shaw have resigned from the police force.

The new steamer Queen of the Pacific came out of the dry dock Wednesday, and is now loading for Portland.

The steamer City of Rio de Janeiro has had her destination changed to Panama, instead of Hongkong, and will sail on the 19th.

The steamer City of Tokio went into Hunter's Point dry dock yesterday to be cleaned, and will sail for Hongkong on the 21st.

The bark Norna, which sustained considerable injury by the fire at Oakland wharf about seven weeks ago, has been completely refitted, and will sail for Queenstown with a cargo of wheat. Her repairs cost $25,000.

Five men sent to San Luis Obispo county a week or so ago by the Immigration Association have returned much pleased with that locality. They have entered the land, and propose taking down soon farming implements and machinery for boring artesian wells.

Sixty-five tael boxes of opium and one hundred pounds of tobacco were seized by the Custom House officials, Wednesday, on board of the steamship City of Tokio. The tobacco was suspended in the air ventilators and the opium was stored beneath the planking in the aft part of the vessel. The seized goods are valued at over $500, exclusive of the duty.

United States Attorney Teare has filed a libel of information in the United States District Court against 1,250 white silk handkerchiefs, 2,260 red silk handkerchiefs, 178 assorted silk scarfs, 60 pounds crude opium, 29 wool coats and 5½ pounds of silk cord seized on the steamship Coptic, September 4th, for being imported by members of the crew of that vessel, who had not paid duty thereon.

Preparations are going on for the Mosquito yacht race that is to be held on Saturday, the 23d instant. A number of crafts—among them a large number of Whitehall boats—have already entered. The contest, in all probability, will be an exciting and interesting one. The Regatta Committee of the San Francisco Yacht Club is endeavoring to get up a special class for the lateen sailboats of the Italian fishermen, and prizes of money will be given to the successful. The committee hopes to enlist the Fishermen's Association's assistance in securing a good representation of this class of boats contestants. It will add greatly to the picturesque feature of the scene. In all other classes there will be a number of prizes, consisting of silver plate and various valuable articles of use or ornament to yachtsmen. The fund of $150 has already been collected for this purpose, and that without any difficulty whatever. In each class there will be three or four prizes.

SOLAR RESEARCHES IN HIGH AIR.

Professor Langley presents in *Nature* some astonishing results of his last summer's investigations of the sun's heat radiation. It has been said that the determination of the amount of heat the sun sends us is "the fundamental problem of meteorology," and these investigations were conducted in the best way to solve it. Professor Langley's station was on Mount Whitney, California, not at the summit, but nearly 13,000 feet above sea level, where he found the sky perpetually fine and extremely dry, and, adds, "of a deeper violet than I have observed elsewhere, even on Etna." In 1837 M. Pouillet, and in 1856 Sir John Herschel made experiments at stations near sea-level to ascertain the amount of heat received from the sun, but their deductions were necessarily imperfect because at low levels the atmosphere is too replete with watery vapor. As a mountain chain of only 6,000 feet altitude cuts off one-half of the vapor in the atmosphere, the station selected by Professor Langley, which left about three-fourths of the vapor beneath the observer, was peculiarly eligible. Although the reduction of his observations is still incomplete, he announces that they apparently show that the true constant of solar heat is one-half greater than that determined by Pouillet and Herschel. Starting as this will be to scientists, still more so is his conclusion as to what would be the temperature of a mountain-top shooting entirely above the air of our planet, or that of the sunward hemisphere of the earth if the aerial covering were withdrawn. He finds that in this case the earth's temperature of insolation would at any rate fall fifty degrees below zero, so that mercury would freeze and "remain solid under the vertical rays of a tropical sun were radiation into space wholly unchecked." The earth's loss of heat by radiation in the absence of aqueous vapor in the air is so rapid, that Sir John Richardson long ago pointed out that to this cause more than polar cold was due the intense refrigeration in winter of Arctic America, and Mr. Ericsson has forcibly suggested that the surface of the airless moon, radiating heat so much faster than it can absorb it, must be cold in sunshine. This investigation is of the highest interest to weather science, and should be continued at one or more high mountain summits, where the atmosphere is freest from the watery vapor liberated from melting snows.

At the Verulam Mission Church, London, recently, a company numbering about 150, composed of ballet girls, chorus girls and dressers, took tea at the invitation of "several Christian ladies and gentlemen." The pews of the church were improvised as tables, and all joined in the singing of a hymn before partaking of the evening repast.

HORSFORD'S ACID PHOSPHATE for overworked professional men. D. Charles T. Mitchell, Canandaigua, N. Y., says: "I think it a grand restorer of brain force or nervous energy."

This country has one medical man to every 600 inhabitants, while Canada has only one to 1,200 inhabitants, Great Britain one to 1,672, and Germany one to 3,000.

THE EXPANDING POWER OF ICE.

In a recent number of *Nature* Mr. Bergh has drawn attention to the powerful agency exerted by ice in severing rocks, of which he gives a striking instance occurring on the Halesund of West Norway, where a low ledge rising out in the fjord is all that remains of a once extensive fjeld promontory, which in the year 1717 was suddenly blown up and precipitated into the water by the force of the ice within the interstices of the stone. The winter had been mild, and during a rapid thaw a considerable stream had welled up from the ice-covered summit of the fjeld, and carried its waters into every crevice of the rock, when a sudden change of wind brought above a sharp frost, which turned the descending waters of the newly-formed streams into ice, arresting their course within the interstices of the rock. The result was the explosion of the entire mass of the fjeld below the outbreak of the stream, and its projection from a hight of more than 1,500 feet into the neighboring fjord, which ingulfed the whole of the promontory with its cultivated fields and farmsteads. Simultaneously with the disappearance of the land below the surface of the fjord a huge mass of water was propelled against the opposite shore, carrying with it rusty anchors, boats, rafters and numerous other objects which had lain at the bottom. The disturbance extended a mile beyond the point at which the land was submerged, and the waters in retreating carried with them a wooden church which had stood fifty feet above the fjord, besides sweeping away all the fishing boats for two and a half miles. Before this occurrence, which was attended by loss of life to about a score of persons, the headland had been much resorted to on account of the halibut which abounded in the neighborhood, but since that period the fish have never returned, a circumstance which, according to local popular belief, is due to the covering up by the in-fallen rock of certain submarine cavities and springs frequented by the fish.

Repudiation.

When the stomach repudiates drafts made upon it by the general system, emaciation, loss of vitality and other baneful effects ensue. Dyspepsia, the direct cause of this, is among the diseases remediable by Hostetter's Stomach Bitters—a fine, genial, regulating tonic and alterative, exerting a triple influence upon the stomach, liver and bowels. Through its health-yielding influences, that part of the animal economy embraced by these three organs is rescued from confusion and put into good working order, and other excellent results speedily follow its use. Other maladies yield to its curative action, such as fever and ague, rheumatism, inactivity of the kidneys and bladder, etc.

Lightning, even at a distance, says M. Da Lalagrade, has a real action upon the magnetism of magnetic rods, though the influence, under ordinary circumstances, is neither strong nor rapid enough to be indicated by the needle of the compass.

An infallible remedy for fever and ague is Ayer's Ague Cure. Wholly vegetable and containing no quinine, it is harmless and sure.

WHEN the scalp is annoyed with dandruff, Glenn's Sulphur Soap will be found infallible. Hill's Hair Dye, black or brown, 50 cents.

FLIES, roaches, ants, bed-bugs, rats, mice, crows, chipmunks, cleared out by "Rough on Rats." 15c.

LIST OF LETTERS REMAINING IN the Postoffice at Sacramento on Thursday, September 14, 1882:

Ladies' List.

Alexander, Miss Sarah — Mary, Mrs Lora
Andrews, Miss Eva — Matthews, Miss Joe
Ball, Mrs G — Miller, Miss Katie
Bosher, Mrs Al — Nicolaus, Julia
Brower, Mrs C — Nilson, Miss Ida
Baldwin, Miss Lydia — Nelson, Mrs
Clark, Miss Katie — Parker, Mrs K
Couran, Mrs J C — Rhodes, Miss Molly
Corrado, Miss Teressa — Ritchie, Mrs Mary
Cox, Miss Katie — Sharron, Mrs Wm
Culver, Miss Ella — Smith, Miss Ada B
Dow, Miss Marie — Smith, Miss Emma M
Darnour, Mrs Dora — Snider, Mrs Mary
Edelmith, Miss Rika — White, Mrs E A
Fopiono, Maria — Wilcocks, Mrs Wm
Halloran, Miss B A — Wilcocks, Mrs Mary
Inglis, Miss Nellie — Williams, Mrs J
Johnson, Mrs P B — Wirmer, Mrs Leon

Gentlemen's List.

Aitken & Cuttis — Gocesines, Joe — Ryder, W W
Apple, C — Gotthold, F — Rivoux, A
Arend, H A — Haas, F J — Rogers, J H
Barnhart, W H — Haggerty, John — Rogers, Chas
Barrett, Geo — Hassin, Harry-2 — Robinson, J F, Jr
Benham, R S — Haveland, T — Russel, John
Bennett, Jas — Hizbee & Baley — Saenz J
Bell, W S — Hobbs, G W — Sawtelle, Geo
Blackwell, Jas — Honly, M C — Scott, E S
Boutwell, T A — Johnson, C H — Siebe, John
Brien, John — Kennedy, E H — Strain, S E
Burns, Jas — Kirkpatrick, T — Strauss, I M
Burwark, Chas — Koch, August — Stone, F P
Calkin, E F — Kohler, W, Jr — Stone, Fred P
Chambers, J W — Langtra, E — Stranan, I M
Chittick, Robt — Linn, Aug — Swain, Hemur
Clark, J A — Loretz, Louis — Taylor, C J E
Clark & Carroll — Mann, J C — Tebbetts, G P
Coggeshall, J-3 — Meagher, F-2 — Trevernet, Prof J
Coyne, P — Millsap, L W — Thompson, Robt
Deisenroth & Cranert — Montrose, H — Tompkins, M T
Delaney, J — Moore, Thos — Underwood, H
Deeds, J B — Myer, Thos — Upton, J A
Demitg, Chas — Meyer, R — Weiss, Frank
Donavan, Phil — Nathan, Tom — Wesley, Hon G C
Drullard, Dr. T W — Nicol, Chas — Welsh, Mathew
Dubey, Joe — Nehle, Wilhelm — Wentler, John
Dumar, Henry — O'Neil, Patrick — Whitler, Geo
Dunleyy, J — Osburn, Alex — White, Henry
Dutton, Oscar — Orggin, Patrick — Wheeler, J W
Englebright, F W — Payne, John-2 — Williams, J R
English, Chas — Petty, Rev W P — Wilson, A M
Fairfield, D — Petterson, G E — Winterthaler, H
Foley, J M — Pfeil, Fred — Woodruff, W E-2
Gerber, J F — Pfeiffer, F & Co — Woods, Warren
Gifford, E R — Porter, G K — Yast, Tony
Glass, T C — Ramage, T P

Foreign.

Anto Vierra Brezil — Antonio Dutra da Costa
Francisco Ignacio Tereira da Silva — Manoel Machado Soaves
Gorge Vilas Brazil — Antonio Correa Machado
Manuel Vittal Brazil — Francisco Goalaio da Costa
Razzaello Grosjs — Joze Treira Valim
Joze de Suaz da Cunia — Zabini Luigi
Antonio Furtado Gomes — Joab Leal de Azivedo
Joze de Soura Feirreira — Marlada Incarnacao Silva
Antonio Joze da Silva — Manuel Sieveire diuarto
Conhado Le Joze de Soza Texeira — Duarte Branquinha
Manoel Tereira de Anillo — Manoel Constantino Borges
Joze Coria das Neves — Manoel Joze la Peora
Roza Marana Vu.im — Jose Romero
Manoel Jose da Boza — Vitalna Silva Furtado

Chinese.

Fook Ninz Tung — Wool Loon
Wa Sing — Wing Tong Ahlow
Tong Wa — Quong Ke
Chee Kung Tong — Yick Song
Tong Gee Lee — Tung Hop
Bun Fong — Quong Wo Tong
Wing Chung Lung — Whon Chung
Yet Lang Hong — Sin Chong
Ghee Kung Tong — Yet Wa

Miscellaneous.

Sacramento Ice Company (No. 1316 Third street, between M and N).

W. C. HOPPING, Postmaster.

POLITICAL.

REGULAR REPUBLICAN COUNTY TICKET.

ELECTION, NOVEMBER 7, 1882.

FOR STATE SENATORS.
GROVE L. JOHNSON,
JOSEPH ROUTIER.

FOR THE ASSEMBLY.
F. D. RYAN,
G. W. HANCOCK,
R. S. LOCKETT.

FOR COUNTY CLERK.
C. M. COGLAN.

FOR SHERIFF.
PHILIP HERZOG.

FOR COUNTY ASSESSOR.
J. T. GRIFFITTS.

FOR COUNTY TREASURER.
A. S. GREENLAW.

FOR DISTRICT ATTORNEY.
S. S. HOLL.

FOR AUDITOR AND RECORDER.
W. E. GERBER.

FOR SUPERINTENDENT OF PUBLIC SCHOOLS.
C. E. BISHOP.

FOR PUBLIC ADMINISTRATOR.
H. S. BEALS.

FOR CORONER.
J. F. CLARK.

FOR COUNTY SURVEYOR.
J. C. PIERSON.

FOR SUPERVISORS.
First District—B. STEINMAN.
Second District—J. WISEMAN.
Third District—S. BLAIR.
Fourth District—S. GOTTLEIB.
Fifth District—G. C. McMULLEN.
Sixth District—E. D. CHRISTY.
Seventh District—P. R. BECKLEY.

FOR POLICE JUDGE.
W. S. SAFFORD.

FOR JUSTICES OF THE PEACE.
J. C. TUBBS.
T. W. GILMER.

FOR CONSTABLES.
FRANK SWIFT.
S. E. HARVEY. s11-1d

NOTICE.

I HAVE SOLD TO F. H. SLACK, OF THE Riverside Dairy, my dairy and milk business in the city of Sacramento, and I respectfully recommend him to the patronage of my former customers.

September 1, 1882. [s8-4plm*] J. P. SARSFIELD.

MISCELLANEOUS.

ROYAL BAKING POWDER

Absolutely Pure.

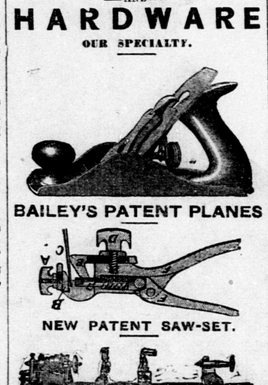
This POWDER never varies. A marvel of purity, strength and wholesomeness. More economical than the ordinary kinds, and cannot be sold in competition with the multitude of low test, short weight alum or phosphate powders. SOLD ONLY IN CANS. ROYAL BAKING POWDER CO., 106 Wall street, New York.

W. T. COLEMAN & CO., Agents, SAN FRANCISCO. m7-1y

THE NEW BICYCLE, "EXPERT!" Sole Agent for Columbia Bicycle. Boys' Bicycles, $15 up.

Mechanics' Tools —AND— HARDWARE OUR SPECIALTY.

BAILEY'S PATENT PLANES



NEW PATENT SAW-SET.

SCREW CUTTING LATHE.
No. 5 Swings 9 inches $125 00
No. 6 Swings 12 inches $190 00
BARNES' FOOT-POWER, SCROLL-SAWS, MORTISER, HAND CIRCULAR RIP-SAW.

OSBORN & ALEXANDER, No. 628 Market street, San Francisco. Send for Catalogue. s11-1plw

HOTELS AND RESTAURANTS.

HOTEL LANGHAM, CORNER FOURTH AND L STREETS, SACRAMENTO—Strictly first-class, on the European plan. T. D. Scriver's Carriages will take all passengers free of charge from Depot to Hotel. s1-4plm TERRY & CO., Managers.

UNION HOTEL. SECOND AND K STREETS, SACRAMENTO. Rooms, 50 cents and $1 per day. Special rates by the month. Billiards, choice Liquors and cigars. Hot lunch daily from 11 A. M. till 2 P. M. W. O. ("JOE") BOWERS, Proprietor. s1-4plm

GOLDEN EAGLE HOTEL, CORNER SEVENTH AND K STREETS SACRAMENTO.—First-class in every respect. The Largest, Finest and Best-Ventilated Hotel in the city. RATES—$3, $2 50 and $2 per day, according to room. Free Bus to and from the Hotel. J. McNASSER (late of Denver), Proprietor. aug4-6plm

RESTAURANT DE FRANCE, 427 K STREET, ADJOINING the Metropolitan Theater. Handsome Private Rooms for parties. LOUIS PAYEN, Proprietor, aug20-4plm Formerly of the Hotel de France.

MISSISSIPPI KITCHEN. OYSTER AND CHOP HOUSE, Third Street, Between J and K, NEXT DOOR TO RECORD-UNION office. Open day and night. A. J. SENATZ, Proprietor. s19-4plm

GROCERIES, LIQUORS, ETC.

EBNER BROS., IMPORTERS AND WHOLESALE DEALERS IN WINES AND LIQUORS, Nos. 116 and 118 K street, between Front and Second, Sacramento. m25-4plm

THE BEST AND CHEAPEST IS RICHARDSON & ROBB