CYCLONES ANALYZED.

Lieutenant Finley Gives out Some Interesting Information.

The Cyclone Described as a Vast Eddy in the Atmosphere, Devasting in Effect.

Lieutenant John P. Finley, who is in charge of the Signal Service on the Pacific Coast, has, in view of the many inquiries received at his office relative to the use and significance of technical meteorological terms, and for information as to the character of the various forms of atmospheric disturbances recognized by the science of meteorology, consented to prepare for publication, a series of circulars or bulletins which will briefly, but yet comprehensively furnish the desired data. It is believed that this plan will serve to instruct the public on an important subject and assist in making the daily weather forecast of more practical value.

ABOUT CYCLONES.

The first of these papers has just been issued, and treats of the cyclone.

About fifty years ago, says Lieutenant Finley, Piddington of Calcutta, East India, first applied the term cyclone to all circular storms of whatever area. The earliest published account of storms where the curving of the winds is recognized was by Captain Langford in 1698, in a paper on the West India hurricanes, which he called "whirlwinds." The term cyclone comes from the Greek cyclos, which signifies, among other things, the coil of a snake.

Its application to the most important of all meteorological disturbances is not intended to affirm that the area described by the storm is a true circle, but rather expressing sufficiently the tendency of the air to a circular motion. The word is now accepted by the leading meteorologists of the world as properly distinguishing a certain class of storms.

The cyclone is a broad disturbance having a diameter from three hundred to five hundred miles, and sometimes one thousand miles. It is a vast eddy in the atmosphere and moves along in that medium very much as the eddies in a stream of water. The air does not have an actual circular motion at any place within the storm area, but only a tendency to spiral movement. But even this tendency is not revealed by reports from a single station.

MOTION OF THE DEVASTATOR.

It is necessary to obtain observations from the entire area of disturbance, which, when plotted on a chart, discloses the general movement of the air gradually inward toward the center, where it rises to the upper cloud region and flows outward on all sides. This motion of the air gives rise to westerly winds south of the cyclonic center, southerly winds on the east, easterly winds on the north and northerly winds on the west. At the center of the area there is a calm space ten or fifteen miles in diameter known as the "eye of the storm." This is a very dangerous part of the cyclone for vessels to encounter, as they become motionless and are then suddenly caught at a disadvantage by the rear of the storm. The barometer is lowest at the center and increases outward to the circumference. The form of the cyclonic area is either circular or elliptical, generally the latter. The direction of progressive movement is from west to east under the influence of the rotation of the earth, and while not directly visible, is apparent in the passing changes of the weather. The rate of movement is on the average about thirty miles per hour, being most rapid in winter with a maximum of fifty miles, and least rapid in summer with a minimum of about ten miles.

DISTINCT CHARACTERISTICS.

The four quadrants of a cyclone have distinct and invariable characteristics, as follows: In the northeast quadrant, great humidity, high winds, precipitation and heavy clouds, especially in the southern portion. In the southeast quadrant, the maximum of heat and moisture, the region of all classes of local storms, especially the tornado. In the southwest quadrant, clearing weather, with dashes of rain in the eastern portion, falling temperature and diminishing humidity. The northwest quadrant has the minimum of heat and moisture, general absence of clouds and brisk cold winds. Some cyclones may preserve their identity in passing entirely around the earth, but the generality only make about one-third of that distance and then disappear in the general circulation of the atmosphere.

Protect Your Health.

Cold and moisture combined have a torporizing effect upon the bodily organs, and the digestive and secretive processes are apt to be more tardily performed in winter than in the fall. The same is true, also, of the excretory functions. The bowels are often sluggish, and the pores of the skin throw off but little waste matter at this season. The system, therefore, requires opening up a little, and also purifying and regulating, and the safest, surest and most thorough tonic and alterative that can be used for these purposes is Hostetter's Stomach Bitters. Persons who wish to escape the rheumatic twinges, the dyspeptic agonies, the painful disturbances of the bowels, the bilious attacks and the nervous visitations, so common at this time of the year, will do well to reinforce their systems with this renowned vegetable stomachic and invigorant. It improves the appetite, strengthens the stomach, cheers the spirits, and renovates the whole physique.

There are some patent medicines that are more marvelous than a dozen doctors' prescriptions, but they're not those that profess to cure *everything*.

Everybody, now and then, feels "run down," "played out." They've the will, but no power to generate vitality. They're not sick enough to call a doctor, but just too sick to be well. That's where the right kind of a patent medicine comes in, and does for a dollar what the doctor wouldn't do for less than five or ten.

We put in our claim for Dr. Pierce's Golden Medical Discovery.

We claim it to be an unequaled remedy to purify the blood and invigorate the liver. We claim it to be lasting in its effects, creating an appetite, purifying the blood, and preventing Bilious, Typhoid and Malarial fevers *if taken in time*. The time to take it is when you first feel the signs of *weariness* and *weakness*. The time to take it, on general principles, is NOW.

Miscellaneous.

"The truth, the whole truth, and nothing but the truth."

That's what you ought to know about the thing you wash with. What good soap doesn't hurt, *Pearline* cannot. That's only part of the truth. *Pearline* washes and cleans without the rubbing and scrubbing that wear things out—without the work that makes women old. Half your labor is spared by it; twice the work is done with it; time and money are saved by it. "Nothing but the truth" is the best policy for us; "nothing but Pearline" is the best policy for you; but perhaps you use Pearline. Millions do.

Not True Peddlers and some unscrupulous grocers will tell you, "this is as good as" or "the same as Pearline." IT'S FALSE—Pearline is never peddled, and if your grocer sends you something in place of Pearline, the honest thing to do is—*send it back*. 273 JAMES PYLE, New York.

JOS. THIEBEN CROCKERY CO.

The Leading Crockery House in Sacramento.

With one years' experience we can safely say, by carrying the best selected stock and selling goods at a living profit, and a all times catering to the wants of the trade, we have succeeded in establishing ourselves before the people of this city as a STRICTLY FIRST-CLASS AND RELIABLE HOUSE. Our motto at all times is to please our customers, and as our goods are marked in PLAIN FIGURES, we invite you all to give us a call before buying goods in our line.

JOS. THIEBEN CROCKERY CO.,
NO. 518 J STREET.

WE ARE THE RECOGNIZED HEADQUARTERS FOR HOTEL, BAR AND RESTAURANT SUPPLIES.

$10--NO. 7 COOK STOVE--$10.

We offer you the largest Cook Stove, with the largest and best oven to be found in the State, for $10. Come and see it. Every one warranted. New price-list free on application.
ROOFING, PLUMBING AND GENERAL JOBBING.
CHAMBERLIN & CO., 613 K Street.

HUNTINGTON-HOPKINS COMPANY,
Sporting Goods, Shotguns, Rifles, Standard Loaded Shells, Powder, Shot, Etc.
SACRAMENTO AND SAN FRANCISCO.

Geo. Wissemann, AGENT FOR LEMP'S St. Louis Beer. Always on tap at Wissemann's Saloon. Saloons and Families Supplied.
1020 Fourth St., Sacramento.

Coughs, Sore Throat, Influenza, Whooping Cough, Croup, Bronchitis and all diseases of the Throat, Lungs and Chest are quickly and permanently cured by the use of Wistar's Balsam of Wild Cherry. None genuine unless signed "I. BUTTS" on the wrapper.

LEA & PERRINS' SAUCE.

The Original and Genuine "Worcestershire" Sauce. Imparts the most delicious taste and zest to HOT AND COLD MEATS, GRAVIES, SALADS, SOUPS, GAME, Fish, WELSH RAREBITS, &c., &c.

Lea & Perrins

Signature on every bottle of the genuine & original.
JOHN DUNCAN'S SONS, NEW YORK.

Chichester's English Diamond Brand.
PENNYROYAL PILLS
Original and Only Genuine. SAFE, always reliable. LADIES ask Druggist for Chichester's English Diamond Brand in Red and Gold metallic boxes, sealed with blue ribbon. Take no other. Refuse dangerous substitutions and imitations. At Druggists, or send 4c. in stamps for particulars, testimonials and "Relief for Ladies," in letter, by return Mail. 10,000 Testimonials. Name Paper. Chichester Chemical Co., Madison Square, Philada., Pa. Sold by all Local Druggists.

PILES ITCHING PILES SWAYNE'S OINTMENT
ABSOLUTELY CURES. SYMPTOMS—Moisture; intense itching and stinging; most at night; worse by scratching. If allowed to continue tumors form and protrude, which often bleed and ulcerate, becoming very sore. SWAYNE'S OINTMENT stops the itching and bleeding, heals ulcerations, and in most cases removes the tumors. Ask your Druggist for it.

NOTICE TO CREDITORS—ESTATE OF ELIZABETH CISCO, deceased. Notice is hereby given by the undersigned, GEORGE W. HARLOW, Administrator of the estate of ELIZABETH CISCO, deceased, to the creditors of, and all persons having claims against said deceased, to exhibit them, with the necessary vouchers, within four months after the first publication of this notice, to said Administrator, at the law offices of Robt. T. Devlin, 328 J street, Sacramento, Cal., the same being his place for the transaction of the business of the said estate, in the County of Sacramento, State of California.

GEORGE W. HARLOW,
Administrator of the estate of Elizabeth Cisco, deceased.
Dated Sacramento, Cal., January 2, 1891.
ROBT. T. DEVLIN, Att'y for Administrator.
ja3-5tS

NOTICE TO CREDITORS—ESTATE OF ANDREW GRAFMILLER, deceased. Notice is hereby given by the undersigned, executrix of the estate of Andrew Grafmiller, deceased, to the creditors of, and all persons having claims against the said deceased, to exhibit them with the necessary vouchers, within ten months after the first publication of this notice, to the said executrix, at the law office of Chauncey H. Dunn, No. 920 Fifth street, Sacramento, Cal., the same being the place for the transaction of the business of the said estate in the county of Sacramento, State of California.

Dated January 10, 1891.
CAROLINE GRAFMILLER, Executrix.
CHAUNCEY H. DUNN, Attorney for Executrix. ja10-5t-S

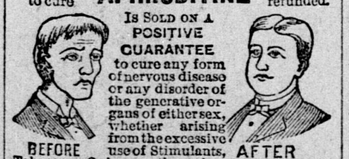
HUMPHREYS' VETERINARY SPECIFICS
For Horses, Cattle, Sheep, Dogs, Hogs, AND POULTRY.
500 Page Book on Treatment of Animals and Chart Sent Free.
CURES: A.A.—Fevers, Congestions, Inflammation. B.B.—Spinal Meningitis, Milk Fever. C.C.—Strains, Lameness, Rheumatism. D.D.—Distemper, Nasal Discharges. E.E.—Coughs, Heaves, Pneumonia. F.F.—Colic or Gripes, Bellyache. G.G.—Miscarriage, Hemorrhages. H.H.—Urinary and Kidney Diseases. I.I.—Eruptive Diseases, Mange. J.K.—Diseases of Digestion, Paralysis.
Single Bottle (over 50 doses), - - .60
Stable Case, with Specifics, Manual, Veterinary Cure Oil and Medicator, $7.00
Jar Veterinary Cure Oil, - - 1.00
Sold by Druggists; or Sent Prepaid anywhere and in any quantity on Receipt of Price.
HUMPHREYS' MEDICINE CO., Corner William and John Sts., New York.

HUMPHREYS' HOMEOPATHIC SPECIFIC No. 28
In use 30 years. The only successful remedy for Nervous Debility, Vital Weakness, and Prostration, from over-work or other causes. $1 per vial, or 5 vials and large vial powder, for $5. SOLD BY DRUGGISTS, or sent postpaid on receipt of price.—HUMPHREYS' MEDICINE CO., Cor. William and John Sts., N. Y.

THE GREAT ENGLISH REMEDY, BEECHAM'S PILLS
For Bilious and Nervous Disorders.
"Worth a Guinea a Box" but sold for 25 Cents,
BY ALL DRUGGISTS.

LIEBIG Company's EXTRACT Of Beef.
For improved and economic cookery. Use it for Soups, Sauces, Made Dishes. (Game, Fish, Etc.) The purest meat preparation. Contains no added salt. is cheaper and of finer flavor than any other stock.
One pound equal to forty pounds of lean beef of the value of about $7 50.
J. v. Liebig
Genuine only with Justus von Liebig's signature as shown.

The Celebrated French Cure,
Warranted to cure "APHRODITINE" or money refunded.



BEFORE AFTER
Is SOLD ON A POSITIVE GUARANTEE to cure any form of nervous disease or any disorder of the generative organs of either sex, whether arising from the excessive use of Stimulants, Tobacco or Opium, or through youthful indiscretion, over indulgence, &c., such as Loss of Brain Power, Wakefulness, Bearing down Pains in the back, Seminal Weakness, Hysteria, Nervous Prostration, Nocturnal Emissions, Leucorrhœa, Dizziness, Weak Memory, Loss of Power and Impotency, which if neglected often lead to premature old age and insanity. Price $1.00 a box, 6 boxes for $5.00. Sent by mail on receipt of price.
A WRITTEN GUARANTEE is given for every $5.00 order received, to refund the money if a Permanent cure is not effected. We have thousands of testimonials from old and young, of both sexes, who have been permanently cured by the use of Aphroditine. Circular free. Address
THE APHRO MEDICINE CO.
PACIFIC BRANCH,
22 Sansome Street, San Francisco, Cal.
SOLD BY
R. J. VAN VOORHIES, DRUGGIST, 800 J STREET, SACRAMENTO, CAL. Ja26-3mTTS

WILCOX'S COMPOUND TANSY PILLS!
Safe, Certain and Effectual. At Druggists or by mail, send 4c. for "Woman's Safe Guard." WILCOX SPECIFIC CO., Philadelphia. Sold by Kirk, Geary & Co., Sacramento. TTS

ELECTRIC ROADS.

The Conduct of the Legislature Deemed Inexplicable.

The conduct of the Legislature on the subject of electric railroads is inexplicable.

In every other part of the world electricity is welcomed as the power that is to solve the problem of rapid transit. In all but certain localities affected by special conditions, horse and cable roads are obsolete. The old ones are operated until they can be changed to electric lines, but no new ones are building. In safety, speed, efficiency and economy, electric motors are so far superior to any other kind that Eastern cities congratulate themselves upon every new one that makes it appearance. An expert recently predicted that in five years there would not be a horse-car running in the United States. Apparently he reckoned without the California Legislature.

The proposal to forbid the use of overhead wires is a manifest absurdity. The overhead system is the only one that is an assured success. Storage batteries have been used to some extent, but are still in the experimental stage. The underground system is an absolute failure, electrically, besides being so expensive as to put it out of the question for lines in thinly settled districts.

Of course it is desirable to dispense with poles and overhead wires as soon as it can be done, although if properly designed these accessories of an electric road do not disfigure the streets. But meanwhile, are we to depend on horse cars or walk?

Finally, why should the Legislature meddle with the matter at all, except to undo its own foolish interference of the past? The people of Oakland, San Francisco, San Jose, Los Angeles and other towns want electric roads. Why should not they be allowed to have them? Let us have a little home rule.—*S. F. Examiner.*

NEW PUBLICATIONS.

A portrait of Talleyrand in his youth is the appropriate frontispiece of the February "Century," in which is given a very full and interesting installment of extracts from the Talleyrand Memoirs (begun in the January number). Miss Clare de Graffenried of the United States Labor Bureau, has a striking paper on "The Georgia Cracker in the Cotton Mills," illustrated by studies from life by Mr. Kemble. The California series reaches the discovery of gold, an account of which is given by John S. Hittell, the historian, accompanied by attractive illustrations—among them a fac-simile of an entry in the diary of H. W. Bigler (one of the party of discovery), which fixes beyond peradventure the date of the discovery as the 24th of January, 1848, instead of the 19th, as still celebrated by the pioneer societies. There are also a view of Sutter's Mill, a map of the Placer Regions of California, portraits of Marshall the discoverer, and interesting caricatures. In the department of "Californiana" is given Marshall's own account of the gold discovery. A third paper by General John Bidwell completes his narrative. The beginning of a new novel, in a new field, by Dr. Edward Eggleston, is an important feature. Besides the "Faith Doctor," the fiction consists of the closing installment of James Lane Allen's "Sister Dolorosa," an installment of Hopkinson Smith's "Colonel Carter of Cartersville," a story by Miss Wilkins with a picture by Mrs. Mary Hallock Foote, a story, "Penelope's Swains," by Mrs. Burton Harrison, illustrated by Wiles, and a strange story by Joel Chandler Harris called "Balaam and his Master," with pictures by Helmick. George R. Parkin writes of "The Anglo-Saxon in the Southern Hemisphere," this article referring to "The Working Man in Australia." Charley de Kay writes an article on Theodore Rousseau, which is accompanied by engravings of some of Rousseau's works by the late Mr. Elbridge Kingsley; there are also engravings of the monument to Rousseau and Millet in the Forest of Fontainebleau, and of Rousseau's house in Barbizon. Thomas Bailey Aldrich, Richard Henry Stoddard, Edgar Fawcett, Walter Learned, James Whitcomb Riley, Rose Hawthorne Lathrop, and Jennie E. T. Dowe are among the poets of the number. In the series of pictures by American artists, there is a full-page portrait of "The Mirror" by the late D. M. Bunker. The Topics of the Times discuss: "One Means of Regulating the Lobby," "The Salary Problem," "Early Education in Literature," and "Women." The latter article is apropos of a remarkable series of Open Letters, "On the Opening of the Johns Hopkins Medical School to Women," by Cardinal Gibbons, Dr. Mary Putnam Jacobi, Mrs. Josephine Lowell, Dr. Osler (the physician in chief of the hospital), Dr. Folsom of Boston, and Miss Thomas, Dean of Bryn Mawr.

The "Sanitarian" for the month (A. N. Bell, M. D., editor, Brooklyn American News Company, New York) is an issue of especial value. Its chief papers are: "Sanitation in 1890—Address at the Eighteenth Annual Meeting of the American Public Health Association," H. B. Baker, A. M., M. D., President; "A Blessing in Disguise—Cheap Quinine?" "Requisites for a Closed Sanitarium in Colorado," J. H. Kellogg, M. D.; "The Thermal Springs of Salt Lake City," Dr. Geo. W. Foster; "The Relation of the Mechanical Arts to Preventive Medicine, Particularly Illustrated by the Artesian Wells and Tidal Drains of Charleston, S. C.," A. N. Bell, A. M., M. D.; "American Public Health Association Proceedings;" "The New Surgeon-General, United States Army;" "The Truth About Vaccination;" "Progress of Infectious Diseases and Mortality Statistics," Harry Kent Bell, M. D.; "Cocaine in Yellow Fever," "Phenic Acid as a Prophylactic Against Cocaine," "Nodulated Erythema," "Red Stockings—Severe Irritation," "A Brooklyn Post-Graduate Medical College," "Fellows' Syrup of the Hypophosphites for Atonic Dyspepsia."

"Harper's Bazar," published January 23, 1891, contains the first of a series of practical and interesting papers on "Sanitary Living," by Juliet Corson. Mary E. Wilkins contributes a characteristic New England story entitled "The Proud Lucinda." Alexander Black writes on the "Camera Hobby," and Anna H. Wharton on certain seemingly necessary annoyances known as "Time Moths." Walter Besant's serial, "St. Katherine's by the Tower," is continued, and numerous fashion hints and an illustrated pattern-sheet supplement add to the attractiveness of this number of the "Bazar."

From Wm. Irelan, State Mineralogist, we have a complete, very large, accurately drawn, and handsomely colored wall map of California, geologically and mineralogically designated. It is issued by the State Mining Bureau, and is one of the handsomest pieces of map work that has come under our observation. All geological and mineralological characteristics of leading character are shown by colors, and indicated also by elaborate tables.

"Harper's Young People" for January 27th will contain contributions by Hjalmar Hjorth Boyesen, William Hamilton Gibson, Dora Reed Goodale and others. Howard Pyle's charming romance will be continued, with a full-page illustration drawn by the author. Short, practical articles, poems, and other features of interest will combine to make this a very attractive number.

SACRAMENTO MARKET.

SACRAMENTO, January 30th.

FRUIT—Lemons—Sicily, $6 50@7 ₱ box; California, $4@5 50; Limes, $5@6 ₱ box, 75c @1 ₱ 100; Bananas, $3@3 50 ₱ bunch for Island; Cocoanuts, $7@8; California Oranges, Los Angeles, $2@2 25 ₱ box; Riverside, $3@ 3 50 ₱ box; do, Navels, $4 25@4 50 ₱ box; Mandarins, $1 25 ₱ box; Pineapples, 60c each; $7 ₱ dozen; Apples, Spitzenburg, $2 25@2 75 ₱ box; Rhode Island Greenings, $1@1 50 ₱ box; mixed varieties, $1@1 25 ₱ box; Pears, $1 25@2 ₱ box.

CANNED GOODS—Assorted table, $2@ 2 10; Apples, $1 60; Apricots, $190; Blackberries, $1 95; Cherries, $2 40@2 60; Currants, $2 25; Gooseberries, $1 80@1 90; Muscat Grapes, $1 55@1 60; Plums, $1 60; Quinces, $1 95; Raspberries, $2 70; Strawberries, $2 70.

BREADSTUFFS—Flour, $4 25 ₱ bbl; Oatmeal, 10-lb sack, 4c ₱ lb, $3 80 ₱ 100-lb sack; Cornmeal, white, $2 25 ₱ 10-lb sacks, yellow, $2 10 ₱ 25-lb sacks; Cracked Wheat, $2 50, 10-lb sacks, $2 30 100-lb sacks; Hominy, $3, 10-lb sacks, $2 80 ₱ 100lbs; Graham, $2 40, 10-lb sacks; $2 20, 100-lb sacks.

HAY, GRAIN AND FEED—Oat Hay, $12 @15 ₱ ton; Alfalfa, do, $12@14 per ton; Bran, $21 ₱ ton; Middlings, $27 ₱ ton; Barley, whole, paying $1 55@1 60; rolled, $1 75 @1 80; Wheat (choice milling), paying $1 35 ₱ cwt; Rye, $1 35; Wild Oats, $1 75@2 ₱ 100 lbs; Tame Oats, $2₱2 25; Corn, paying $1 30 ₱ cwt.

VEGETABLES—Onions, Silverskins, $3 50 @4 ₱ cwt; Onions, Red, $3@3 50; Cabbage, 50c@$1; Carrots, 50@60c ₱ 100 lbs; Turnips, new, $1@1 25 ₱ sack; bunch vegetables, 12½c ₱ doz; Parsnips, $1@1 50; Beets, 75c@ $1; Horse Radish, 10c ₱ lb; Garlic, 20@25c; Artichokes, 40c ₱ doz; Dried Peppers, 20@ 25c; Green Peas, common, 6@8c; do, sweet, 6@8c; Potatoes—Early Rose, $1 15@1 25; Peerless, $1@1 25; Burbanks, $1@1 25; Centennial, $1@1 25 ₱ ctl; Sweet Potatoes, $2@ 2 50 ₱ sack; Celery, 75c ₱ doz; Spinach, 5c ₱ lb; String Beans, 4@5c; Summer Squash, 3@ 4c; Cauliflower, $1 ₱ doz; Green Peppers, 10@ 12c ₱ lb; Okra, 10@12½c; Red Cabbage, 3c ₱ lb; Savoy Cabbage, 90c ₱ doz.

DAIRY PRODUCTS—Butter—Valley, 35@ 40c ₱ lb; Fancy Petaluma, 38@40c ₱ lb; Eastern Creamery, fancy, 22@25c; Pickle Roll, 30@32½c; packed in firkins, choice, 18@25; common, 12½@13c. Cheese—California, 12@13½; Young America, 13@14c; Eastern Cream, 15@16c; Limburger, 18@20c; genuine Swiss, 32½@35c; American Swiss, 21c; Martin's Cream, 17@18c. Eggs, 40@45c; California Ranch Eggs, 28@30c; Eastern Eggs, 25@27½c.

POULTRY—Dealers' prices: Live Turkeys, hens, 12@14c; gobblers, 12@13c; dressed, 14@15c; full-grown Chickens, $4@5 ₱ dozen; young Roosters, $4@5 ₱ dozen; broilers, $3@4; tame Ducks, $5@6; Pekin, $6@7; Geese, $2@2 25 ₱ pair.

GAME—Ducks, Mallards, ₱ pair, 50@75c; Canvasbacks, 75c@$1; Sprig, 40@50c; Widgeon, 25@50c; Teal, 35@50c; Quail, $1 25@ 1 50 ₱ doz; Gray Geese, 50@75c ₱ pair; Brant, 30@50c; White, 25c; Honkers, 75c@ $1; Cottontail, 20@40c.

SAN FRANCISCO STOCK SALES.

SAN FRANCISCO, January 30, 1891.

MORNING BOARD.

Ophir	3 50	Occidental	90c
Mexican	2 60@2 60	Lady W	20c
G. & C.	2 75	Andes	85c
B. & B.	3 10	Scorpion	15@30c
Con. Va	4 65@4 75	Mono	60c
Savage	2 20@2 25	Baltimore	25@35c
Chollar	2 15@2 20	New York	20@25c
Potosi	5@5 25	Eureka	3
H. & N.	1 50@1 55	Prize	15@20c
Point	1 85@1 90	Navajo	20@25c
Jacket	2 30	Belle Isle	30c
Imperial	20@25c	Mt. Diablo	2 05
Kentuck	40c	N. B. Isle	55c
Alpha	85@90c	Holmes	20@25c
Belcher	1 70	Queen	25c
Confidence	5½	Com. W	70@80c
S. Nevada	2	N. Com. W	50@55c
Utah	80c	Delmonte	10@15c
Bullion	2 25	Bulwer	25@30c
Exchequer	75c	Bodie	85@90c
Justice	95c@1	S. King	25c
Union	2 20	Syndicate	5@10c
Alta	60c	Peer	10@15c
Julia	15@20c	Peerless	10@15c
Seg. Belcher	1 05	Crocker	10c
Overman	2 20@2 35	Weldon	10c
Caledonia	65c	Locomotive	5@10c
Silver Hill	20@25c	S.V. Water	92
Challenge	1 60	Geary-st. R. R.	97

AFTERNOON SESSION.

Ophir	3 65	Silver Hill	25c
Mexican	2 70	Baltimore	15c
G. & C.	2 70	New York	20c
Best & B.	3 15	Andes	90c
Con. Va	4 80@4 85	Scorpion	20c
Savage	2 25	Iowa	25c
Chollar	2 25	Baltimore	20c
Potosi	5½	Belle Isle	30c
H. & N.	1 55	Mt. Diablo	1 80
Point	1 80	Prize	15@20c
Jacket	2 25	Navajo	20c
Imperial	20@25c	N. B. Isle	50c
Kentuck	30c	Holmes	20c
Alpha	90c	Queen	20@25c
Belcher	1 70	Com'wealth	80c
Confidence	5½	N. Com'wlth	55c
S. Nevada	1 85 1 90	Delmonte	10@15c
Utah	80c	W. Comstock	35c
Bullion	2 35	Eureka	2 75
Exchequer	85@90c	Bodie	90c
Seg. Belcher	95c@1	Bulwer	45@50c
Overman	2@2 05	Mono	55@60c
Justice	95c@1	Silver King	25c
Union	2 05	Peer	10@15c
Alta	60c	Crocker	10@15c
Julia	15@20c	Peerless	10@15c
Caledonia	65c	Locomotive	5c
Challenge	1 65	Weldon	15c
Occidental	85@90c	S. V. Water	92
Lady W	20c		

Hoop's Sarsaparilla
Purifies the blood,
Makes the weak strong.
100 doses one dollar.

For the cure of a cough or sore throat, Brown's Bronchial Troches are a simple remedy.

DUFFY'S PURE MALT WHISKEY

FOR MEDICINAL USE
NO FUSEL OIL
A pure stimulant, preferably whisky, is the best remedy for Coughs, Colds, Chills, Malaria, Asthma, Bronchitis, the Grip and PNEUMONIA. Of all of the so-called whiskies on the market, Duffy's is the ONLY PURE MEDICINAL ONE.
It is INVALUABLE TO MEN and a BOON TO WOMEN.
Insist upon getting Duffy's and take no other. It can be obtained at drug stores. Send for our book.
THE DUFFY MALT WHISKY CO., Rochester, N. Y.

SCOTT'S EMULSION

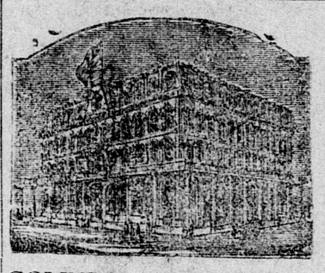
Of Pure Cod Liver Oil and HYPOPHOSPHITES of Lime and Soda
is endorsed and prescribed by leading physicians because both the *Cod Liver Oil* and *Hypophosphites* are the recognized agents in the cure of *Consumption*. It is as palatable as milk.
Scott's Emulsion *is a perfect Emulsion. It is a wonderful Flesh Producer. It is the Best Remedy* for CONSUMPTION, Scrofula, Bronchitis, Wasting Diseases, Chronic Coughs and Colds.
Ask for Scott's Emulsion and take no other.

CAST YOUR OVER THIS
SICK PEOPLE write for free illustrated family paper on surgical operations, tumors, fistula, piles, varicocele, hydrocele; truces, appliances for deformities, female complaints also, confidential book for men, explaining why thousands cannot get cured of special, private, chronic diseases, eyes, ears, lungs, seminal weakness, loss manhood, gleet, syphilis, unnatural losses, results of abuse, excesses, which unfit all for marriage, happiness, or life's duties. DR. LIEBIG'S WONDERFUL GERMAN INVIGORATOR the greatest remedy for above complaints. To prove its merit a trial bottle sent free. Address, DR. LIEBIG & CO. 409 Geary St., San Francisco, Cal., or 301 W. 9th St., Kansas City, Mo.

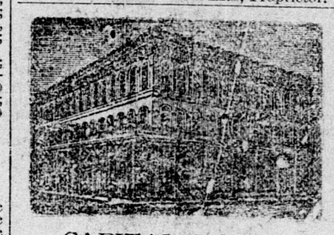
Miscellaneous.

RADWAY'S READY RELIEF FOR PAIN
THE CHEAPEST AND BEST MEDICINE FOR FAMILY USE IN THE WORLD.
Instantly stops the most excruciating pains; never fails to give ease to the sufferer. For SPRAINS, BRUISES, BACKACHE, PAIN IN THE CHEST OR SIDES, HEADACHE, TOOTHACHE, CONGESTION, INFLAMMATIONS, RHEUMATISM, NEURALGIA, LUMBAGO, SCIATICA, PAINS IN THE SMALL OF THE BACK, or any other external PAIN, a few applications act like magic, causing the pain to instantly stop. All INTERNAL PAINS, DIARRHEA, DYSENTERY, COLIC, SPASMS, NAUSEA, FAINTING SPELLS, NERVOUSNESS, SLEEPLESSNESS, are relieved instantly and quickly cured by taking inwardly 30 to 60 drops in half a tumbler of water. 50 Cents a Bottle. Sold by Druggists. With RADWAY'S PILLS there is no better CURE or PREVENTIVE OF FEVER AND AGUE. WS&w

Hotels and Restaurants.



GOLDEN EAGLE HOTEL,
Corner Seventh and K streets.
STRICTLY FIRST-CLASS. FREE 'BUS TO and from the cars.
W. O. BOWERS, Proprietor.



CAPITAL HOTEL,
Corner Seventh and K streets, Sacramento.
STRICTLY FIRST-CLASS. FREE 'BUS to and from the Cars. B. B. BROWN, formerly of the State House Hotel, Proprietor.

WESTERN HOTEL,
THE LEADING HOUSE OF SACRAMENTO, Cal. Meals, 25 cents. WM. LAND, Proprietor. Free 'Bus to and from hotel.

THE SADDLE ROCK
Restaurant and Oyster House.
FIRST-CLASS HOUSE IN EVERY RESPECT. Ladies' dining-room separate. Open day and night. BUCKMANN & CARRAGHER, Proprietors. No. 1019 Second street, between J and K, Sacramento.

PACIFIC HOTEL,
Corner K and Fifth sts., Sacramento.
CENTRALLY LOCATED, AND CONVENIENT to all places of amusement. The best family Hotel in the city. The table always supplied with the best the market affords. Street Cars from the depot pass the door every five minutes. Meals, 25 cents.
C. F. SINGLETON, Proprietor.

ST. DAVID'S,
715 Howard Street, near Third San Francisco,
FIRST-CLASS LODGING HOTEL, CONTAINING 200 rooms; water and gas in each room; no better beds in the world; no guest allowed to use the linen once used by another; a large reading room; hot and cold water baths free. Price of Rooms—Per night, 50 and 75 cents; per week, from $2 upwards. Open all night. R. HUGHES, Proprietor.
☞At Market-street Ferry take Omnibus Line of street cars for Third and Howard. TTS

CIGARS,
Cigarettes, Tobacco, Snuff,
ETC., ETC.
We buy for cash and sell for cash. We take no risks and charge for none. We employ no traveling salesman. In short, we claim that under our system of doing business we can give those who desire their money's worth advantages that cannot be obtained elsewhere.
A. COOLOT,
SACRAMENTO,
Sole Agent for "Young Ladies' Cigar Factory."
s9TuS-tf

Wood-working Machinery
OF ALL KINDS, OF BEST make and Lowest Price. SAWMILL AND SHINGLE MACHINERY, HOE CHISEL TOOTH SAWS, Etc.
ENGINE GOVERNORS,
IRON-WORKING TOOLS, CROSBY STEAM GAUGES, ENGINES and BOILERS of any capacity, etc.
TATUM & BOWEN,
34 and 36 Fremont street, San Francisco, Manufacturers and Agents. WS

GOLD MEDAL, PARIS, 1878.
W. BAKER & CO.'S Breakfast Cocoa
Is absolutely pure and it is soluble.
No Chemicals are used in its preparation. It has *more than three times the strength* of Cocoa mixed with Starch, Arrowroot or Sugar, and is therefore far more economical, *costing less than one cent a cup.* It is delicious, nourishing, strengthening, EASILY DIGESTED, and admirably adapted for invalids as well as for persons in health.
Sold by Grocers everywhere.
W. BAKER & CO., Dorchester, Mass.

TO WEAK MEN Suffering from the effects of youthful errors early decay, wasting weakness, lost manhood, etc., I will send a valuable treatise (sealed) containing full particulars for home cure, FREE of charge. A splendid medical work; should be read by every man who is nervous and debilitated. Address, Prof. F. C. FOWLER, Moodus, Conn.

CAUTION AGAINST FRAUD.

IN THE MATTER OF THE ESTATE OF Thomas Harrigan, deceased, now pending in the Probate Court, no final account has ever been made nor no final settlement as yet. MARGRET HARRIGAN, executrix and administratrix. ja8-1m

Business Cards.

ARCHITECTS.
N. D. GOODELL AND F. H. SCHARDIN have associated themselves together as Architects and Builders. Office, Pioneer Hall, Seventh street, between J and K, Sacramento, Cal. Consultation and estimates made free of charge.

MRS. MARION STIRLING, M. D.,
LATE LADY PRINCIPAL OF DUFFERIN Medical College for Women, and Superintendent of Women's Hospitals and Dispensaries in Northern British India. Diseases of women and children a specialty. OFFICE—Room 7, Odd Fellows' Temple.

H. F. ROOT. ALEX. NEILSON. J. DRISCOL.
ROOT, NEILSON & CO.,
UNION FOUNDRY—IRON AND BRASS Founders and Machinists, Front street, between N and O. Castings and machinery of every description made to order.

Attorneys-at-Law.

CHARLES H. OATMAN,
ATTORNEY AND COUNSELOR AT LAW. Office—420 J street, Sacramento, Cal. Notary Public.

A. L. HART,
ATTORNEY-AT-LAW—OFFICE: SOUTHwest corner Fifth and J streets. Rooms 12, 13 and 14, Sutter Building.

THOMAS W. HUMPHREY,
ATTORNEY AND COUNSELOR AT LAW. Southwest corner Seventh and J streets; Notary Public. Collections. Sacramento, Cal.

Dentistry.

F. F. TEBBETS,
DENTIST, 914 SIXTH ST., between I and J, west side, opposite Congregational Church.

DR. W. C. REITH,
DENTIST, LINDLEY BUILDing, southeast corner Seventh and J streets, Sacramento, Cal.

C. H. STEPHENSON,
DENTIST, CORNER SEVenth and J streets, over Lyon's Dry Goods Store.

H. H. PIERSON DENTIST, 511½ J ST SAC.

Undertakers.

J. FRANK CLARK,
UNDERTAKING PARLORS,
1017 and 1019 Fourth street, Sacramento.
EMBALMING A SPECIALTY.—GEORGE H. CLARK, Funeral Director and County Coroner. Telephone No. 134.

W. J.