HORTICULTURAL.

INFORMATION BY THE RECORD-UNION'S ENTOMOLOGIST.

Answers to Correspondents Concerning Insect Pests, and Other Matters of Interest.

[Specially prepared for the RECORD-UNION.]

In many of the fruit-growing districts of this State but little effort has been made by the fruit-growers in regard to forming societies, or meeting together in their respective districts, for the interchange of opinion in relation to all matters connected with their industries, especially planting, pruning, cultivation, selection of varieties of trees to plant, marketing of produce, protection of trees and fruit from mildew and other diseases, also from the ravages of insect pests, etc. Such organizations are of untold value to the enterprising fruit-growers, as the information disseminated in this manner, to say the least, is contagious; even those who disbelieve in such methods of gaining intellectual and practical knowledge are led to imitate the example of those who make a success of their undertakings.

In some of the fruit-growing districts societies for the protection and promotion of horticultural industries have been organized, and are the means of disseminating valuable information. The fruit-growers of Eden township, in Alameda county, held their monthly meeting on the 5th instant in their hall at Haywards. The President of the Society is H. Meeks, of San Lorenzo. A. P. Crane, of San Lorenzo, is Secretary. The meeting was well attended; even some of the fair sex take such interest in horticultural matters as to be present. The subject for discussion was the "Best Method of Drying Fruits," and also their preparation for market. A valuable paper on the subject, written by Mr. Blackwood, of Haywards, was read; the discussion and interchange of opinions which followed was very interesting, and will undoubtedly be the means of causing a thorough investigation to be made the coming season as to the merits of the various methods recommended in relation to the cost of preparation and quality of fruit produced.

First, fruit dried upon trays placed upon the ground; second, fruit dried upon platforms raised three or four feet from the ground; third, fruit dried upon roofs of houses, etc.; fourth, fruit dried in any of the mechanical appliances (or evaporators) now in use; fifth, the best method of selecting and packing for market.

The subject for next meeting is the best varieties of fruit for home canning.

The fruit-growers of Eden township, which includes the owners of the extensive orchards at San Lorenzo and Haywards, evidently believe in the saying that "the gods helps those who help themselves," and are therefore using every endeavor to make the products of their orchards as profitable as possible. The orchards at San Lorenzo and Haywards are comparatively free from insect pests that are injurious to fruits, there being but few trees infested by scale insects; and the codlin moth has not been allowed to spread to a dangerous extent. Appearances indicate that every effort will be made to prevent its spread in the future. Some of the orchards have been infested with canker worm, which destroys the foliage of the trees to a serious extent; but the intelligent work done since the 1st of December by capturing the female moths (which are wingless) has been so successful that injury to foliage this season will be very light. As soon as some experiments that are now under way will be completed a full account of the canker worms and the methods by which they were exterminated will be given in these columns, illustrated.

SHORT-SNOUTED BEETLE.

Mr. Lewelling, of San Lorenzo, received some 8,000 cherry plants from the East this season, and planted them in rows for nursery stock. As soon as they commenced to put forth leaves it was noticed that the young growth of leaves and buds were destroyed. Investigation proved the pest to be a short-snouted beetle, which feeds upon the plants at night and hides under the ground in daytime. The beetle is about three-tenths of an inch in length, and of a dark-brown color, and belongs to the family *Curculisnidæ*. Henry Marlin, of San Lorenzo, had grafted 500 cherry trees, and as soon as the buds appeared on the grafts they were destroyed; investigation proved the injury was done by this beetle. On the 5th instant Mr. Marlin banded all his grafted trees with paper, on which he placed a preparation of tar, such as used for capturing the female of the canker worm. This has proved successful, in preventing the beetles from ascending the trees. These beetles can be readily destroyed by hand-picking, about 9 o'clock P. M. The nature and history of these beetles, and the results of experiments for their extermination, will be given in these columns as soon as completed.

GRAIN WEEVIL AND PARASITES.

N. W. Blanchard, Santa Paula, Ventura county, writes:

I send you some grain weevil and some specimens of what we call flour-bugs; also, some small flies that are found with the weevil and flour-bugs. The small flies are very numerous, and are apparently coming out of the grain, through the meshes of the sacks, along with the beetles. As I have not noticed these insects (the small flies) before this time, and fearing they are an additional pest, I send them to you for examination.

Reply—Of the specimens received there are two species of curculio, namely, *Calandra granarius*, or wheat weevil, and the *Calandra oryzæ*, or rice weevil, which also feeds upon wheat; it differs from the former in having two reddish spots on each wing case, and is smaller in size. The bran and flour beetle is the *Sylvanus quadricollis*, and is also found to be injurious to wheat, rye and oats in store.

CHALCID FLIES.

The small flies you send belong to the order Hymenoptera, and to the family *Chalcididæ*. The chalcid flies are a group of great extent; and from their color being either metallic, or bronzed, they are known by the popular name *Brasslets*. Excepting the genus *Eurytoma*, one species of which infests growing wheat, another barley, and another rye, and are known as joint-worms, chalcid flies are parasitic, and infest the larvæ and eggs of many species of insects; therefore, if your surmise, that they are coming out of the wheat, is correct, you have made an interesting discovery, not only to economic entomologists, but also to the wheat-growers and wheat-dealers of this State.

The specimens you send are in all probability the *Tomoxera Californica* (Comstock), or closely related thereto. Professor Comstock found the *T. Californica* in southern California in 1880, and pronounced it a new species. In his description he gave the length of the body one-twelfth of an inch; expanse of wings, one-seventh of an inch; color—head, face, scape of antennæ, and the underside of all the legs, mahogany brown; thorax, black, with a strong metallic luster on prothorax; abdomen, bluish black, with a slight brownish patch beneath at base. At Los Angeles it is parasitic upon *Lecanium oleæ* (black scale), and is so abundant in some portions of orchards that were examined that 75 per cent. of the scales were found to be infested with the larvæ of this chalcid fly. Should it be learned that the larvæ or eggs of the grain weevils are attacked by this fly, you have made a valuable discovery, and found an excellent ally for the destruction of these pests, and a valuable acquisition as an enemy of scale insects in your extensive orange groves.

[Will you be so kind as to send me a small sample of the wheat for examination.]

PEACH AND APRICOT PEST.

From George Woolsey, Ione City, Cal.:

The trouble with the peach trees has commenced again this season in this section. As in former years, the leaves, when half formed, all drop off; gum exudes, and the twigs die. A close inspection at this time leaves no doubt of the cause being an insect. The terminal buds are just beginning to wilt, and I inclose a few. By splitting them you will find the rascal. They vary in size up to one-quarter of an inch in length.

Now, can you give us a remedy? Was the egg laid this spring, or was it last summer? If the latter, I should suppose an application during the dormant stage, in the winter; if laid this spring, an application would hardly prove effective, as the foliage will fully protect them. We have got to have a remedy, or else the days of peaches are numbered, as well as apricots, as they both are affected, and the trees will die in a few seasons of such treatment. I understand the Sacramento river people had it last season. We can look for a widespread devastation by this little twig or bud borer unless he is fought vigorously. I consider it a greater enemy than woolly aphis, as being more rapid in destroying a tree.

Reply—The specimens reached here in due season, but absence from home prevented me examining them until the branches and larvæ were destroyed. I have no hesitation in coinciding with your views in regard to this dangerous pest of the stone fruits, as it attacks the plum also. I am of the opinion that this insect hibernates in the larvæ state, and that the eggs are deposited in the buds by an early brood of the moths.

At the present time best remedies I can recommend are clean cultivation, careful and close pruning, and the destruction of all branches and terminal buds infested by the larvæ. The rapid spread of this pest in the last two years should be sufficient warning to growers of peaches, apricots, plums, nectarines, etc., that they should immediately force the fight against this pest. A great deal of good can be effected by cutting off all infested branches and terminal buds that are infested (the latter can be easily detected by their withered appearance), and destroying them by burning.

KATYDID AND FLOUR BEETLE.

A. W. Hale, Pomona, Los Angeles county: The specimens you send are the eggs of the katydid. This species are not so numerous as to do much damage to the foliage of trees and plants. However, the eggs should be destroyed wherever found.

E. H. Easthan, Madison, Yolo county: The small beetle you send is the *Sylvanus quadricollis*. It is known by the popular name of the flour and bran beetle; but is also destructive to wheat, oats and rye in store.

MATTHEW COOKE.

FARM NOTES.

Sour milk, whey and buttermilk are excellent liquids for mixing with the food of poultry.—[Exchange.

A prominent farmer advises the use of paint as a saving material on all kinds of wood and iron implements on the farm, and says every dollar so expended is a saving of ten to him.

The most profitable way after all to raise poultry is as nature intended. Get plenty of hens and roosters and turn the business over to them; they understand it, and rarely make mistakes.—[Troy Times.

A common word among farmers is the term "gambrel," to indicate the stick put through the hind leg of a hog to suspend it in dressing. The best authority gives "gammon" as the preferable word to use. [Exchange.

A French naturalist says that "the Almighty created birds to protect the grain, vegetables, trees and fruits against the ravages of the insect tribe. For every bird that dies millions of insects are spared from death, and millions of insects mean famine."

The period of gestation in the mare is in general forty-eight weeks; the cow forty-six weeks; the ewe twenty-one weeks, and the sow sixteen weeks. Having the date of service, the date at which birth is due may be easily ascertained. Careful breeders always keep strict record of each animal.

Experiments with poultry in orchards prove that they effectually protect plum trees from the curculio. A few of the largest farms devoted to poultry are set partly in plums, among them being that of Mr. Hawkins, of Lancaster, Mass. The peach trees always bear best when poultry range among them.—[New York Herald.

To satisfactorily test the contents of a grain sack, without the necessity of emptying it, Nobbe's proving staff is offered, by means of which samples from any desired part or a grain-filled sack can be quickly obtained. The staff is placed in the grain, and by revolving the outside layer three divisions (upper, middle and lower) are thrown open. The instrument now being shaken, grain falls into the openings, and, the staff being withdrawn from the sack, may be easily examined.—[Mueller Zeitung.

A correspondent of the London *Live Stock Journal* says that the fact that a considerable quantity of milk is now watered to a greater or less degree, and does not keep, owing to the stagnant ditch and pond water that cattle are allowed to drink in many dairy farms all over the country, tends to lessen the consumption. It is not at all unusual to see milch cows drinking the soakings from the manure yards. This is the reason why many persons do not care to drink milk, the writer says, as they cannot be certain that it has not been elaborated from sewage and filthy water; and as they are afraid to drink water from improper filtration and other causes they have been induced to drink beer, as the water used in its manufacture is remarkably pure.

An account was recently given in the columns of the RECORD-UNION of the foot-and-mouth disease among cattle, and the result of an investigation by a board of eminent veterinary surgeons at Neosha Falls, Ks. It was there unanimously determined by the veterinary experts present that the disease was caused by the eating of ergot, which existed in unusually large quantities in the wild straw upon which all the stock found to be affected had been feeding. This explanation and conclusion upon the subject is not, however, fully accepted. The State Veternarian of Illinois, where the same disease has made its appearance, pronounces it "a species of foot-rot (parachitis), entirely of spontaneous origin, due to unknown atmospheric or telluric influences, combined with or aggravated by local causes, such as exposure to wet and filth and to frost, besides poor and unnutritious food." Speaking further upon the subject, he adds: "The malady is of a sporadic and entirely non-contagious nature. The disease cannot be said to be due alone to local causes, for the affected herds have been kept in a manner similar to that in which the average farmer usually keeps his stock during the winter months. The malady is evidently of a spreading nature, as evidenced by its present existence in Effingham, Clay and Perry counties, Illinois; Louisa county, Iowa; Adair county, Missouri; Woodson and other counties, Kansas, and also in Pennsylvania and Ohio, the disease being in all instances the same one, with more or less variations in its intensity and results. So far it has been of slow progress, and by resorting to cleanliness it has been checked, with a fair show of ultimate recovery."

A Cincinnati clergyman thought he would raise his own pork. So he bought five pigs and fattened them. Now that they are fit to kill, he says they seem so much like his own children that he hasn't the heart to kill them. The pigs are in good luck, but it is rather hard on the children.—[Boston Transcript.

IMPORTANT TO LEGISLATORS.—Every Legislator should purchase a bottle of Elite Bouquet. The perfume is most refreshing after hard mental labor.

FOR 50 years the Vegetable Pulmonary Balsam of Cutler Bros. & Co., Boston, stands unrivalled for colds and consumption.

Rise in Prices in England, 1550.

In 1527 Henry VIII. first had recourse to what was then the common practice of Princes in financial difficulties—he debased the coinage. Having once entered into the downward path he continued in it until, in 1546, 3s were made out of the same amount of silver which at the beginning of the reign had been put into 1s. The most rapid rise in prices that England has witnessed was the immediate consequence. The wheat average from 1500 to 1550 is 6s a quarter; from 1550 to 1582, 14s a quarter. The restoration of the coinage by Elizabeth, in 1560, failed entirely in bringing back prices to their old standard, partly because the flood of New World silver, which had already overspread the Continent, now began to penetrate into England; partly because Elizabeth's coinage, though pure, was very much lighter than it had been in times past. At one time a pound had really been but 20s.; from 1560 forward 60s. have been coined out of a pound of silver.—[The Quarterly Review.

Woman who has been looking over blankets in a street store: "Well, I didn't mean to buy. Am just looking for a friend." Clerk, politely: "Don't think you'll find your friend among the blankets. We've looked 'em all through."

FOR COUGHS and Throat Disorders use Brown's Bronchial Troches. "Have never changed my mind respecting them, except I think better of that which I began thinking well of."—Rev. Henry Ward Beecher. Sold only in boxes.

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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. ap8-1p5t

POISON

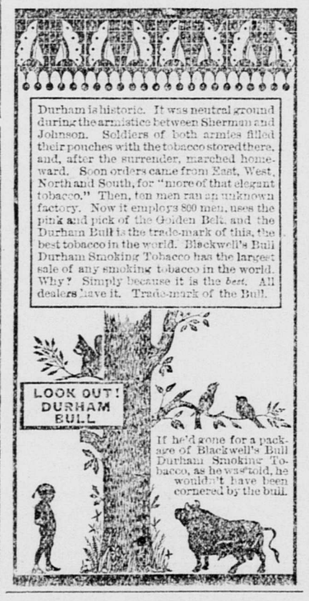
In the blood is apt to show itself in the Spring, and nature should by all means be assisted in throwing it off. Swift's Specific does this effectively. It is a purely vegetable, non-poisonous remedy, which helps nature to force all the poison or taint out through the pores of the skin.

Mr. Robert A. Easley, of Dickson, Tenn., writes, under date March 10, 1884: "I had chills and fever, followed by rheumatism, for three years, so that I was not able to attend to my business; had tried almost every kind of medicine, and found no relief. A friend recommended Swift's Specific. I tried one bottle, and my health began to improve. I continued until I had taken six bottles, and it has set me on my feet, as strong and well as ever. I recommend it to all similarly afflicted."

Letters from twenty-three (23) of the leading retail druggists of Atlanta say, under date March 24, 1884: "We sell more of Swift's Specific than any other one remedy, and three to ten times as much as any other blood medicine. We sell it to all classes, and many of the best families use it as a general health tonic."

Our Treatise on Blood and Skin Diseases mailed free to all applicants.

THE SWIFT SPECIFIC CO., Drawer 3, Atlanta, Ga.
N. Y. Office, 159 W. 23d St., bet. 6th & 7th Avs. ja10-1yTuThS



NOTICE

—TO—

SCHOOL BOOK PUBLISHERS.

SEALED PROPOSALS WILL BE RECEIVED by the Sacramento City Board of Education, at their office, 327 J street, beginning March 3, 1884, until MONDAY, MAY 5, 1884, to be opened at 7:30 o'clock P. M. on May 5, 1884, for Common School Text Books in lieu of the following list adopted in May, 1880:

McGuffy's Readers, series of five books; McGuffy's New Charts, Payson, Denton & Scribner's Copy Books, series of seven books; Bartholomew's Drawing Cards, Colburn's Mental Arithmetic, Robinson's Complete Arithmetic, Swinton's Word Book, Harper's Introductory Geography, Harper's School Geography, Reed & Kellogg's Graded Lessons in English, Reed & Kellogg's Higher Lessons in English, Redpath's United States History, Bryant & Stratton's Common School Book-keeping, Cutter's Elementary Physiology, Ahn's Rudiments (German), Ahn's Grammar (German), Ahn's Grammar and Reader (German).

Samples of the books must accompany each bid, and the bid must state the rate at which each will be furnished at wholesale and at retail, and whether the books accepted will be exchanged for those now in use without cost to the pupils or to the Board, or at what rate such exchange will be made. Bonds satisfactory to the Board will be required from the successful bidder, that such books can be purchased at one or more places in this city in sufficient quantity and at all proper times at the retail price agreed upon during the existence of his contract, and that the books in weight, color and quality of paper, in binding, in typography, and in all other respects shall be equal to the samples. The Board reserves the right to reject any or all bids or any portion of bid.

JOHN F. SLATER, President.
J. R. LAINE, Secretary. mr3-td

SACRAMENTO PLANING MILL,
Hartwell, Hotchkiss & Stalker,
MANUFACTURERS OF
DOORS, WINDOWS, WINDOW FRAMES, Blinds, Moldings, Finish Brackets, Scroll Sawing, Turning; also, Stair Work. Black Walnut, Spanish Cedar and Redwood Newels, Balusters and Rail. Corner Front and Q streets, Sacramento. fe22-4p1m

WANTED—LOST—FOUND.

A PLEASANT ROOM WITH BOARD FOR A gentleman and wife, in a quiet private family. Inquire at this office. ap11-3t*

A YOUNG MAN DESIRES A SITUATION IN a Hardware or Grocery Store. Best of references given. Address "ALTA," Western Hotel. ap11-3t*

ROOMS WANTED—A SUITE OF ROOMS, with Bath, in private family, for gentleman and wife, within eight blocks of Front and J streets. Address P. O. Box, 292. ap11-3t*

WANTED—SEVERAL GOOD CANVASSERS, for a few very fast-selling articles. Call on C. F. SHORT, Western Hotel. ap10-3t*

WANTED—A SITUATION AS HOUSEkeeper by a lady recently from the East; no objection to the country. Address "HOUSEKEEPER," this office. ap10-6t*

WANTED, AGENTS—AT LAST TO "PERfection;" just completed, "two" new articles; will sell well with the "New Becker" Washing Machine. Sample machine shipped on Sixty Days' Trial. Illustrated Pamphlet. E. W. MELIN, Proprietor and Manufacturer. ap8-1w*

WOMEN AND GIRLS WANTED—ALL THE women and girls can be employed this season at the Capital Packing Company who will apply. Call and register your names. mr21-1m

WANTED.

A RANCH BLACKSMITH, $2 50 PER DAY and board; a body builder, $3 25 per day; a milker and butter-maker, $30; also, 6 ranch hands, $26; also, 3 milkers, $30; a man cook, $30; a man to grub land, $26. Female—A first-class cook and laundress, $20 to $25; a girl for chambework, $20; also, 2 waiter girls, $15 to $20; also, 10 girls for housework for both the city and country, $12 to $25; also, girls for other work. Apply to HOUSTON & CO., corner Fourth nd K streets, Sacramento. je13-1ptf

FOR SALE—TO LET.

FOR SALE—ON ACCOUNT OF ILL-HEALTH—the furniture of private Lodging House, 12 rooms; rooms are all occupied by good roomers. Rent of house reasonable. A good chance for parties who desire to keep boarders and lodgers. Inquire of "A," this office. ap9-6t*

FOR SALE—A FIRST-CLASS LIVERY and Boarding Stable, doing a good business; rent of building low; location central; 612 K street, Sacramento. aps-tf

FOR SALE—PIANOS THE CELEbrated Hallett, Davis & Co. Pianos. A. J. POMMER, Agent, No. 565 J street, next door to Lipman & Co. ap8-1m

$4,500.—A VERY FINE 160-ACRE Fruit Farm, 1½ miles from Railroad Depot of Auburn, in a warm well-sheltered situation; 40 acres under cultivation; very choice Grape Vines and bearing Fruit Trees; Blackberries and Strawberries; House, Wine Cellar and good general improvements; also, all Tools and Crops. Inquire or address CARL STROBEL, Sacramento, Cal. ap7-6t&w1t*

FOR SALE—A GOOD INVESTMENT—ELIGIble residence, furnished or unfurnished, fronting the State Capitol; corner lot, 40x100; a fine residence site; favorably situated in a healthy locality. For particulars, apply at 1200 Tenth street, Sacramento. ap5-2w*

FOR SALE—THE WELL-KNOWN PROPerty, the Pacific Gardens, cor. Ninth and C streets, in this city, is offered for sale at a bargain; the property must be seen to be appreciated. Apply to OSWALD FUCHS, at the premises. ap3-1m*

TO LET.—BIDS WILL BE RECEIVED FOR the leasing of the three upper floors of the ST. GEORGE BUILDING, consisting of 175 rooms, for the term of two years, with the privilege of five, from the 1st of May, 1884. Bids must be in on or before the 20th inst. The Board reserves the right to reject any or all bids. Bids received at the office of the Odd Fellows' Hall Association, 1007 Fourth street, between J and K. ap3-14t GEO. F. PARKER, Secretary.

FOR SALE—A FEW FOLDING CAMP Rocking Chairs, hard wood, carpet seat. Sent to any address on receipt of price, ONLY $1. C. M. CAMPBELL, 409 K street, New and Second-hand Furniture. m15-tf

FOR SALE—A 256-ACRE FARM, ALL UNDER cultivation; good spring of water; best fruit land in the State, on line of railroad. Inquire of B. N. BUGBEY, 614 Thirteenth street. Also, **The best watered 160-acre Fruit Farm** in Placer county, on line of railroad, for sale; about 20 acres in grapes and other fruits. Inquire of B. N. BUGBEY, 614 Thirteenth street. Also, **Money in sums of $500 to $10,000, on approved** real estate, at fair rates of interest. Inquire of B. N. BUGBEY, 614 Thirteenth street. P. O. Box 394, Sacramento. mr27-tf

FOR SALE OR TO RENT—AT BLACK'S STAtion, Yolo county; half the shop; a good chance for a wagonmaker to go on his own hook. Address WM. LANDROCK, Black's Station. mr17-1m

FOR SALE—THE ALLEN SPRINGS PROPERty, near Bartlett Springs, in Lake county, California; 160 acres of picturesquely-situated land, with Hotel, Cabins and all personal Property, at a low price. A big bargain for a doctor or hotel man. Inquire of CARL STROBEL, 321 J street, Sacramento, Cal. mr1-tf

FOR SALE CHEAP.

IF CALLED FOR SOON. ONE Second-hand Square, and one Second-hand Upright Piano, both as good as new; first-class maker.

JOHN F. COOPER,
mr13-1p1m Music Store, 527 J street.

FOR SALE.

THE OLD AND WELL-KNOWN GENERAL Merchandise business of M. LAVENSON, Rocklin. Stock and fixtures complete. Rare chance for an enterprising man. Splendid prospects ahead, as the quarries will do a big business this summer. Reasons for selling and further particulars will be given by calling on or addressing M. LAVENSON, Rocklin, Placer county. mr12-1p1m

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A WELL-ESTABLISHED HARNESS and Saddle Shop, in an agricultural town in Arizona, will be sold at a bargain. For particulars apply to A. A. VAN VOORHIES & CO., Sacramento, Cal., or to H. H. McNEIL, Phœnix, A. T. fe13-1p1m

ATLANTIC AND PACIFIC R. R. LANDS

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Arizona and New Mexico

Title Perfect,
Terms Easy.

THE UNDERSIGNED OFFERS FOR SALE the above lands in large tracts. These lands are superior grazing lands, and covered with nutritious grasses and well watered, and are offered at the

Extremely low price of $1 per acre,

In large tracts. Parties will leave San Francisco about once a month to inspect these lands. Special accommodations. Maps, terms and full information of HOYT & SON, 417 Kearny street, San Francisco. THEO. WAGNER, Agent. Associated with

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PIONEER BOX FACTORY,

MANUFACTURER OF ALL KINDS OF Fruit and Packing Boxes, Grape and Berry Baskets,
COR. FRONT AND M STREETS, SACRAMENTO.
Orders Filled with Promptness. ap5-4ptf

PIONEER LIVERY STABLE.

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HACKS ON CALL AT ANY HOUR, day or night. Coupes, Phaetons, Rockaways, Barouches, Buggies, with the best roadsters to be found in any livery stable on the coast, for hire. Horses kept in livery at reasonable rates. Livery Stable on Fourth street, between I and J. jy1-tf

Chickering Pianos,

WILCOX & WHITE ORGANS, L. K. HAMMER, General Agent, No. 820 J street, Sacramento. Sold on the installment plan. Orders for TUNING promptly attended to. Old Pianos taken in exchange. Sheet Music and a full line of musical merchandise always on hand. ja5-tf

MISCELLANEOUS.

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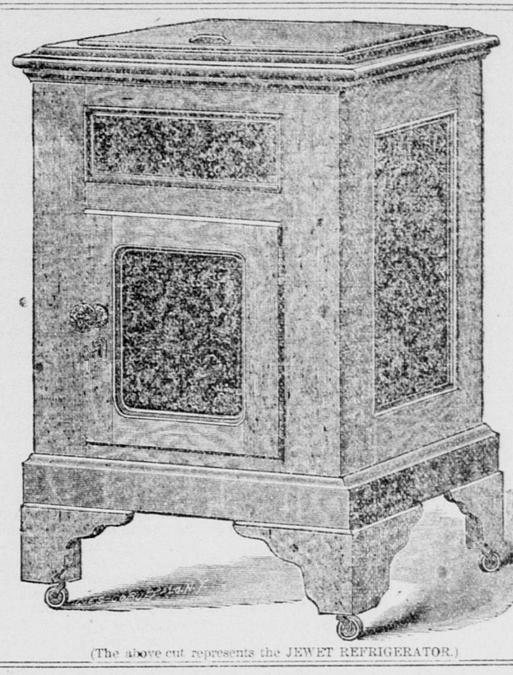
REFRIGERATORS and ICE BOXES,

From $10 Up.

We have just received a carload of the celebrated JEWET'S Refrigerators and Ice Chests. These are the very best in market, and are the only ones made with PROF. ORD'S Patent Ice Preserver. Five pounds of ice under this process will last as long as ten pounds in any other Refrigerator. We are General Agents for this city. Call and see them.



(The above cut represents the JEWET REFRIGERATOR.)

We have also in stock a car load of the world known American Five-minute Ice Cream Freezer, in price from $2 50 up. This Freezer will make Ice Cream in five minutes if properly managed.

We have a large quantity of RUBBER three-quarter three-ply GARDEN HOSE from 8 cents up per foot.

WIRE DOOR SCREENS at 4 cents per square foot, in all colors.

We will offer for sale on next Monday the BUFFALO FILTER AND COOLER. This is positively the only Filter on this Coast that will clear the Sacramento water and make it as clear and cold as could be wished for. No house should be without one.

SEND FOR OUR 1884 PRICE LIST.

L. L. LEWIS & CO.,
Nos. 502 and 504 J STREET, SACRAMENTO.

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SIMMONDS'

EXTRACT OF TROPICAL FRUIT

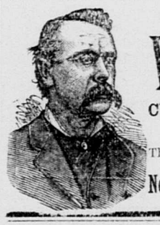
Is recommended by all Physicians as a Blood Purifying Liquor. It is a sure remedy for Dyspepsia or Chills and Fever, and especially for all Kidney and Liver Complaints. IT IS THE GREATEST DISCOVERY OF THE AGE! The Extract is a Pure Compound of all the Choicest Tropical Fruits, and put up expressly for Medicinal and Family Use. Families and Travelers should always be provided with a bottle of SIMMONDS' EXTRACT OF TROPICAL FRUIT. It is good for Sour Stomach, Sea Sickness, and all Stomach Troubles. Also, Billiousness and Dyspepsia, and acts as a Light Purgative. No necessity for taking a Strong Cathartic. The best Physicians recommend it to everybody. Particularly recommended by the Faculty for Ladies' Complaints. Extracted from the following Tropical Fruits: Pineapple, Orange, Mangoes, Zapotilla, Bananas Tamarinds.

None Genuine Unless my Signature is Across the Cork.

G. SIMMONDS.

JOS. HAHN, Druggist, Agent, Fifth and J sts., Sacramento. mr1-2m8TuTh

DR. McCONKEY'S



VIGOR OF LIFE! The Greatest Pain-killer in the World.

CURES RHEUMATISM, NEURALGIA, FEVER AND AGUE, and All Painful Affections.

This valuable preparation only needs a trial. SOLD BY ALL DRUGGISTS.

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ap8-4p3mTuThS

DR. HENLEY'S

CELERY The Greatest Nervine Known.
BEEF (Liebig's Extract), the Wonderful Nutritive and Invigorator.
AND
IRON (Pyrophosphate), Tonic for the Blood, and Food for the Brain.

A FABULOUS DISCOVERY,

Worth Millions to the Human Family—Celery as a Cure.

The habitual daily use of this vegetable is much more beneficial to man than most people imagine. The writer, who is familiar with its virtues, is acquainted with many men and women who from various causes have become so much affected by nervousness that when they stretched out their hands they shook like aspen leaves, but by a moderate use of celery they became as strong in nerve as other people. We have known others to be cured of palpitation of the heart. To this we may add that we received of Dr. Henley, of Portland, Oregon, a bottle of "Celery, Beef and Iron." By close analysis we state the preparation called Celery, Beef and Iron is what it is represented to be, absolutely pure, and every one engaged in labor weakening to the nerves should use "Celery, Beef and Iron." We find also according to the formula received, each bottle is composed of Liebig's extract of beef, extract of celery, and pyrophosphate of iron with condensed wine. These combined we pronounce the best known remedy for any disorder of the nerves or neuralgia. The most delicate nerves, even of birds, we give celery, how much better will it subserve the wants of the human family?—Prf. R. H. Openhelgen in Journal of Chemistry.

MANUFACTURED BY

TUTHILL, COX & CO.
(Successors to Dr. W. HENLEY,)
537 Clay Street, below Montgomery,
SAN FRANCISCO.

NOTICE TO CREDITORS. — NOTICE IS hereby given by the undersigned, Executor of the estate of ELLEN GLEESON, deceased, to the creditors of and all persons having claims against said deceased, to exhibit them, with the necessary affidavits or vouchers, within four months after the first publication of this notice, to said Executor, at the office of Grove L. Johnson, 920 Fifth street, Sacramento, hereby designated as the place for the transaction of the business of said estate.

Dated March 21, 1884.

THOMAS F. GLEESON.
GROVE L. JOHNSON, Attorney for Executor.
mr22-4w8

McCREARY'S

—PATENT—

ROLLER FLOUR!

C. McCREARY & CO. HAVE AN ALL-ROLLER FLOUR MILL, with a capacity of **450 barrels per day.** We guarantee this **Flour the Choicest in the State.** Try it and you will be convinced. s22-4ptf

PREMIUM JERSEY BULL.

THE THOROUGHBRED JERsey Bull which took the FIRST PREMIUM at the last State Fair, can still be found at the corner of Eighteenth and H streets in this city. Terms, $5 for Thoroughbreds, and $2 50 for others.

ap8-4p1w WM. HOOK.

THE STANDARD TROTTING STALLION

BERLIN,

WILL STAND THIS SEASON AT

Agricultural Park.

mr11-4p1m GEORGE MARTIN, Agent.

C. H. KREBS. A. H. ROTT.

C. H. KREBS & CO.,

IMPORTERS AND DEALERS IN PAINTS, Oils, Glass and Artists' Materials. Sole Agents for Averill's Paints and the Beloit Building Paper; Pictures, Frames and Moldings. No. 626 J street and 1006 Seventh street, Sacramento, Cal. ja1-4ptf

ASSIGNEE'S NOTICE.—NOTICE IS HEREBY given by the undersigned, as the Assignee of MATTHEW COOKE, R. J. COOKE and of the firm of "Cooke & Son," to the creditors of the above named assignors, and to all persons having claims against them, or either of them, to present their bills and claims forthwith, at the law office of Young, Young & Dunn, at the southeast corner of Fifth and J streets, in Sacramento, California.

March 22, 1884.

JOHN STEVENS, Assignee.

YOUNG, YOUNG & DUNN, Attorneys for Assignee. mr22-5t8

PROBATE NOTICE.—IN THE SUPERIOR Court of the State of California, County of Sacramento. In the matter of the Estate of JAMES LOCY, deceased. Notice is hereby given that MONDAY, the 21st day of April, 1884, at 10 o'clock A. M. of said day, and the Court-room of said Court, at the Court-house, in the City of Sacramento, County of Sacramento, and State of California, have been appointed as the time and place for proving the will of said JAMES LOCY, deceased, and for hearing the application of ANN E. LOCY for the issuance to her of letters testamentary thereon.

Witness my hand and the seal of said Court, this 5th day of April, 1884.

[SEAL] CHARLES M. COGLAN, Clerk.
A. P. CATLIN, Attorney for Petitioner.
ap7-11t

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322 Pine Street.....San Francisco,

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A. ABBOTT. ap6-

RAILROADS, STEAMERS, ETC.

CENTRAL PACIFIC RAILROAD.

Commencing Monday, February 25, 1884,

AND UNTIL FURTHER NOTICE,

Trains and Boats will Leave Sacramento

AS FOLLOWS:

6:00 A. M.—(Daily) San Francisco Passenger Train, via Benicia. Connects at Suisun for Vallejo and Calistoga. Second-class passenger cars for San Francisco attached.

7:10 A. M.—(Sundays excepted)—Accommodation Train to Marysville, Red Bluff and Redding.

9:30 A. M.—(Daily)—C. P. Emigrant Train to Ogden, Council Bluffs and East.

10:00 A. M.—(or as soon thereafter as practicable—Sundays excepted). Steamer for San Francisco, touching at all way ports on the Sacramento river.

11:30 A. M.—(Daily)—Passenger Train for Woodland, Williams, Willows, Tehama and Red Bluff.

11:40 A. M.—(Daily)—San Francisco Passenger Train. Connects at Galt with Passenger Train for Ione, and at Lathrop with Tulare Passenger Train for Merced, Madera, Fresno and Tulare; connects also at Niles for San Jose.

12:40 P. M.—(Daily)—Local Passenger Train to Auburn and Colfax.

2:50 P. M.—(Daily)—San Francisco Passenger Train, via Benicia. Connects at Suisun for Vallejo. Connects also at Suisun (Sundays excepted), for Calistoga.

3:10 P. M.—(Daily)—Oregon Express for Marysville, Chico, Red Bluff and Redding (Portland, Oregon).

4:40 P. M.—(Daily)—Local Train to Stockton, connecting there with Local Train to Lathrop, which makes close connections with S. P. Atlantic Express for Madera, Mojave, Daggett, The Needles (A. & P. R. R.) Newhall (Santa Barbara), Los Angeles, Colton (San Diego), Yuma, Maricopa (Prescott), Tucson, Benson (Guaymas, Mexico), Deming (A., T. & S. F. R. R), El Paso (T. & P. Ry.), San Antonio and New Orleans. Connects also at Lathrop with S. P. Emigrant Train for The Needles, Deming and El Paso.

4:55 P. M.—(Daily)—C. P. Pacific Express, via Benicia for San Francisco.

7:35 P. M.—(Daily)—C. P. Atlantic Express for Colfax, Reno (Carson and Virginia), Battle Mountain (Austin), Palisade (Eureka), Ogden, Council Bluffs and East.

7:40 P. M.—(Daily)—Passenger Train for Woodland and Knight's Landing.

Sacramento and Placerville R. R.

7:30 A. M.—(Sundays excepted)—Local Passenger Train for Folsom and Shingle Springs.

4:00 P. M.—(Sundays excepted)—Local Passenger Train for Folsom.

A. N. TOWNE.....General Manager
T. H. GOODMAN.....Gen'l Pass'r and Ticket Ag't
ja9-4ptf

—FOR—

PORTLAND AND ASTORIA

(OREGON.)

THE OREGON RAILWAY AND Navigation Company and Pacific Coast Steamship Company will dispatch from Spear-street wharf, for the above ports, one of their new Iron Steamships, viz.:

Columbia, State of California and Oregon.

SAILING DAYS:

APRIL.....8, 12, 16, 20, 24, 28

AND EVERY FOLLOWING FOUR DAYS,