An Interesting Letter from the Far West.

Muldoon, Alturas Co., Little Wood River, Idaho, July 5th, 1882.

You told me when I wrote to give you a description of this country here and I have waited until I had the opportunity to do so before writing.

We, Lillie and I, left Oakland, Cal., last Tuesday June 27th, and came to Ogden on the overland train, then took the Utah Northern from there (Ogden) to Blackfoot and from there we took the stage. We reached here last Sunday evening (July 2nd) at 7 o'clock. It was a hard tiresome journey, but the scenery is lovely when you reach your destination.

The stage route is over a vast desert and the most of the way covered with sage brush.

Well, here we are, surrounded on all sides by mountains. A large creek at the foot of the mountains a quarter of a mile away thunders over the rocks but is hidden from sight by trees along its banks all the way for miles. We are upon a gradual slope about half a mile from the town, Muldoon, which by the way is growing fast.

We have a nice large cottage containing eight rooms, four suits. Have everything comfortable, carpets, good beds, spring matresses, etc., a nice bed-lounge, easy chair, writing desk, parlor stove and other luxuries. A few yards from this house is the boarding house of which Mr. Green has charge. He has two Chinamen cooks, splendid ones. We have a little running room to outdrive; below this is the assay office. These are frame buildings painted white. Back of us they are putting up lovely large brick ones to remain there all, beyond there is the foundation for the smelter on which they are also at work. It will be soon, five feet high after you look and only be open to notice, and will be lighted with the electric light. They have all work for months ahead right.

The town is nearly a mile and a half away in between here and the mine which is two miles from us.

Frank, Lillie and I went up there yesterday, it was a holiday. We went with the people and light wagon over a nice road winding around mountains, through the forest, to the foot of the mountain which contains the mine. Here Frank took the horses from the wagon, put on saddles and Lillie and I rode horseback up the mountain a ways and four. We went into the mine and all saw it down the shaft in every place. They can use do much until the stoping is completed, but they are taking out ore and piling it up outside.

We then went on up to a certain a thousand feet further where we had a lovely spring, and have should called fifty miles away we could see it.

We ate all the snow we wanted then walked a few yards and picked a nice bouquet of wild flowers. Lillie rode down but I preferred walking and as the trail is so winding I took a shorter one above the main walk and was glad to reach the bottom I tell you.

Lillie has lots of pets, an antelope, owl, kitten, three puppies and a saddle horse, which her father bought of the Indians, yesterday.

We are in the most comfortable quarters anywhere in the country. We have two cows, plenty of milk to drink and rich cream for coffee. Will write you again soon.

Yours,
AUNT ELLA

Southfield Ditch News.

Alanson Partridge, Luther Stanley and George German, special commissioners, appointed by the Judge of Probate of Oakland Co., to determine the necessity of constructing the Hanna Ditch and also the Peter McClellan Ditch, in the township of Southfield, sustained the decision of Johnson, the township drain commissioner, by saying that it was necessary that said ditches should be constructed. After making such decision the special commissioners with the drain commissioners of Southfield and Farmington, drove to the commissioner's office at the burg, made out their returns of their doings, and visited the marble works of D. M. Doty and the shops and the store of E. S. Blakeslee, who took their acknowledgements, and then all returned home feeling in good spirits—judging from appearances.

ANON.

TO THE AFFLICTED

Since the introduction of Kellogg's Columbian Oil it has made more permanent cures and given better satisfaction on Kidney Complaints and Rheumatism than any known remedy. Its continued series of wonderful cures in all climates has made it known as a safe and reliable agent to employ against all aches and pains, which are the forerunners of more serious disorders, and effects speedily and always relieving suffering and often saving life. The protection it affords by its timely use on rheumatism, kidney affection, and all aches and pains, wounds, cramping pains, cholera morbus, diarrhoea, coughs, colds, catarrh, and disorders among children, makes it an invaluable remedy to be kept always on hand in every house. No person can afford to be without it, and those who have once used it never will. It is absolutely certain in its remedial effects, and will always cure when cures are possible.

PRESIDENT ARTHUR'S position on questions of temperance and Sabbath keeping is not assuring. It is affirmed that he recently gave a dinner in New York, the guests sitting down at 8 P. M., Sunday evening, and rising from the entertainment at 1 o'clock, Monday morning; and that each guest was furnished with a "whiskey cocktail," to begin with and with eight kinds of wine afterward. Whether this is literal and exact truth, or slightly colored by political feeling, it is needless to inquire when so many corresponding facts are related, giving the report an air of creditability. The reports of the President's Sunday fishing excursion, of wine at the White House "flowing more freely than water," and as being an indispensable accompaniment at every meal," are all "confirmations strong" of a license in regard to habits which are dishonoring to the high position he occupies.

The use of glass is of high antiquity. Mummies have been found with glass beads which must be 3,000 years old.

There are times in every one's life when energy fails and a miserable feeling comes over them, mistaken for laziness. Danger lurks in these symptoms, as they arise from diseased organs. Parker's Ginger Tonic will restore perfect activity to the Stomach, Liver and Kidneys, purify the blood, and renew your lease of health and vigor.—Advocate.

A FIVE OF HEARTS.

Burdock Blood Bitters Bring Back health, when the Body is Badly disordered By impure Blood. Biliousness, indigestion, costiveness, dyspepsia, and other Bad disorders cured by Burdock Blood Bitters. Price $1.00.

RICE'S TEMPERANCE HOTEL,

CORNER CONGRESS AND BATES STS., DETROIT, MICH.

RATES $1 to $1.25 per Day. Single Meals, 25c. Lodgings, 25 to 50 Cents.

We make a specialty of Dinner and it is ALWAYS ready at 12:30 sharp. Come early and be served promptly.

Wall Paper, Gold and Common Goods, Dado's,

and ALL Decorations for the CEILINGS.

BORDERS, fine, common, wide and narrow.

Carpet Sweepers, SPECTACLES, ETC.

W. S. Albertson,
PONTIAC. MICH.

Use Only

Thompson's Soaps!

They are made of the best materials, in the best manner. They are the best in use.

FOR CLEANING PAINT,

removing grease, tar and pitch on coal they are unequaled.

They need less time

and labor than other soaps, do not injure the fabric but dent it or the colors.

Put up in attractive packages in the following brands:

Acme, 6 bars
Arcadia, 1 lb bars
Standard, 1 lb bars
Mechanic, 6 oz bars
Cream, 6 oz bars

For sale in Birmingham by J. R. Corson & Son, Whitehead & Mitchell and J. Allen Bigelow.

(mos pd.1)

Health is Wealth

DR. E. C. West's Nerve and Brain Treatment, a specific for Hysteria, Dizziness, Convulsions, Nervous Headache, Mental Depression, Loss of Memory, Spermatorrhea, Impotency, Involuntary Emissions, Premature Old Age, caused by over exertion, self-abuse, or over indulgence, which leads to misery, decay and death. One box will cure recent cases. Each box contains one month's treatment. One dollar a box, or six boxes for five dollars; sent by mail prepaid on receipt of price. We guarantee six boxes to cure any case. With each order received by us for six boxes, accompanied by five dollars, we will send the purchaser our written guarantee to return the money if the treatment does not effect a cure. Guarantees issued only when the treatment is ordered direct from us. Address JOHN C. WEST & CO., sole proprietors, 181 & 183 W. Madison St., Chicago. For sale by all Druggists. Pitmie & Co., Druggists, 99 Woodward ave. Wholesale Agt's, Detroit.

ALBERT KENDALL

Proprietor of

Restaurant and Meat Market.

Everything in the market will be kept in its season and in a neat and orderly manner.

At the Restaurant will be found everything that can be desired. Hot and cold meals served at all hours. Prompt attention shown to everybody. Call and be convinced.

ALBERT KENDALL.
Royal Oak, Mich.

No.5.3m.

LUMBER.

I have a lot of first class pine lumber consisting of

Fencing,
Flooring,
Siding,
Roofing,
Barn Boards,
Scantling,
Joists,
Planks, &c.,

which I will sell at prices to suit. Call and see me on Bates street.

J. W. Perry,
Birmingham, Mich.

18y6.1mo.

DR. THOMAS' ECLECTRIC OIL

"Cures Rheumatism, Lumbago, Lame Back, Sprains and Bruises, Asthma, Catarrh, Coughs, Colds, Sore Throat, Diphtheria, Burns, Frost Bites, Tooth, Ear, and Headache, and all pains and aches. The best internal and external remedy in the world. Every bottle guaranteed. Price, 25 cents and $1.00.

POSTER, BILBIER & CO., Proprs., BUFFALO, N. Y., U. S. A.

J. L. Hudson, Clothier,

Detroit Opera House Building,

Offers the Largest, Best made, Most Stylish and altogether desirable stock of Men's, Boys' and Children's Business Dress, Office and School

SUITS! SUITS! SUITS!

Hats, Caps, Furnishing Goods

ever displayed on the tables of any one clothier in this State. No end to the variety. No trouble to show them.

PRICES SATISFACTORY.

J. L. HUDSON, CLOTHIER.
DETROIT OPERA HOUSE BUILDING.

DETROIT GRAND HAVEN and MILWAUKEE RAILWAY.

MAY 14th, 1882.

Trains leave Detroit as follows: (Detroit time is about 30 min. slower than Jackson time.)

GOING NORTH.

Holly Accommodation	7:00 a.m.
Saginaw & Bay City Express	11:45 a.m.
Mail	4:05 p.m.
Evening Express	9:15 p.m.

GOING SOUTH.

Morning Express	8:05 a.m.
Mail	11:50 a.m.
Bay City & Saginaw Express	4:40 p.m.
Grand Rapids Express	10:40 p.m.
Milwaukee Express	11:30 p.m.

W. H. MORRISON, Gen'l Supt.
F. E. BOOTH, Gen'l Ticket & Pass. Agt.
THOMAS TANDY, General Freight & Pass'r Agt.

COMMISSIONERS NOTICE.—In the matter of the estate of Isaiah Stadford, deceased. The undersigned, having been appointed by the Honorable Joseph C. Powell, Judge of Probate in and for the county of Oakland, State of Michigan, Commissioners to receive, examine and adjust all claims against said estate, and six months from the 5th day of June, A. D. 1882, having been allowed by said Judge of Probate to all persons holding claims against said estate, in which to present them to us for examination and adjustment, notice is hereby given that we will meet at the 1st day of July, 1882, and on the 5th day of December, 1882, at plaster's in Southfield, in the township of Farmington, in said county, for the purpose of receiving and adjusting said claims.

ALANSON PARTRIDGE,
WILLIAM FAIRBANK,
Commissioners.

Dated this 5th day of June, 1882.

$1,000 Forfeit.

Having the utmost confidence in its superiority over all others, and after thousands of cases of the most complicated and severest cases we could find, we feel justified in offering the Thousand Dollars for any case of Ulcers, Blood sore throat, Rheumatism, Scrofula, Mercurial Rheumatism, in its early stages, Scrofula, Consumption, Ulcers of the throat and lungs, except Asthma, for which we only claim relief, that we can cure with Weeks' Cough Relief when taken according to directions. 8 oz. bottles 75 and 50 cents, large bottles one dollar. Genuine wrappers only in blue. Sent by express on receipt of price. JOHN C. WEST & CO., sole proprietors, 181 & 183 W. Madison St., Chicago, Ills.

$500 Reward!

We will pay the above reward for any case of Liver Complaint, Dyspepsia, Sick Headache, Indigestion, Constipation or Costiveness we can cure with West's Vegetable Liver Pills, when the directions are strictly complied with. They are purely Vegetable, and never fail to give satisfaction. Sugar Coated. Large boxes containing 30 Pills, 25 cents. For sale by all Druggists. Beware of counterfeits and imitations. The genuine manufactured only by JOHN C. WEST & CO., "The Pill Makers," 181 & 183 W. Madison street Chicago. Free trial packages sent by mail prepaid, on receipt of a three cent stamp. For sale in Birmingham block, by F. Mayerson.

First-class seed Buckwheat for sale at BIRMINGHAM MILLS.

All Kinds of Feed and Flour kept on

SALE

—AND—

Delivered

free of charge to any part of the village

Satisfaction guaranteed in every particular.

1mo.no3 J. P. FREDRICKS.

S. A. THORNE. L. CONVERSE
THORNE & CONVERSE,
Proprietors of

City MEAT MARKET

Offer for sale very cheap, FRESH AND DRIED BEEF, SALT PORK, HAMS, SHOULDERS, and everything generally kept by a first class MEAT MARKET.

They also deal in general produce, and pay the highest market price for

Butter, Eggs, Pork, Lard, Tallow, Hams, Shoulders, Oats, Beans & Corn.

10,000 Bushels OF Potatoes!

Wanted immediately, for which the HIGHEST MARKET PRICE will be paid

WANTED

OATS, BARLEY, WHEAT, WOOL and all kinds of Farm Produce, for cash

IRA SLADE.

At the D. G. H. & M. R. R. Depot.

Chew AMERICAN EAGLE

Farming Implements!

Machinery, Tools, &c., &c. Plows, Harrows, Cultivators, Mowers, Reapers, and farm Machinery of all sorts. We will meet

Competition in Prices

every time. We are agents for all the best plows, and keep repairs for all kinds of farm machinery of every description. If you want anything in our line you can

Save Money

by coming to us before purchasing elsewhere. The celebrated "Home-made" phosphate fertilizer a specialty.

H. Irving & Son,
Birmingham, Mich.

A. M. KNIGHT

Calls the special attention of the Ladies to our unusually large and elegant assortment of

BLACK AND COLORED SILKS

Lace Buntings, Cashmeres, Parasols, Embroideries, Fans, Hosiery, and Corsets, at unusually low prices.

OUR KID GLOVE

Department is full and complete, the styles the latest, assortment the largest, and prices the lowest in town. Call and be convinced that we are the cheapest house in town.

A. M. KNIGHT,
Pontiac, Mich.

BRUMMITT!

The Photographer.

TO HIS FRIENDS AGAIN:

I would respectfully announce to the public of Oakland county, that I have decided to open a

NEW PHOTOGRAPH GALLERY.

In Pontiac.

I have contracted with the Hon. M. E. Crofoot for a suit of rooms, in his new block, opposite the Hodges House, to be the most elegant in all their appointments, in the state of Michigan. The rooms are now nearly completed, and in a few days I shall commence business, with much better facilities than ever. The rooms and skylights, in all their appointments, are being constructed under my own supervision. I am having everything arranged with special view to make the very best work that can be made. I am purchasing NEW INSTRUMENTS, ACCESSORIES AND APPARATUS, introducing the

Very Best Artistic Effects,

And I feel confident in saying that my many friends, and the public generally, of this county, will give me a good share of their patronage. I shall use my best endeavors to please my customers by utilizing the

LATEST DISCOVERIES AND INVENTIONS IN THE PHOTOGRAPH

—Among them is—

Instantaneous Dry Plate, &c.

Due notice will be given of the date of opening, hereafter, in this paper.

W. H. BRUMMITT,
PONTIAC, MICH.

Now is the Time,

—AND—

AXFORD, STOCKWELL & CO.'S,
PONTIAC, - - MICHIGAN,

is the place to buy your Summer Goods. REVERSIBLE DRESS GOODS, LAWNS, GINGHAMS and WHITE GOODS in neat and tasty styles.

The largest variety of HOSIERY ever displayed in this city.

Call and see us and we will SAVE YOU MONEY by selling you a good article at a low price.

Axford, Stockwell & Co.

NEW GOODS! NEW GOODS!!

A choice selection of

Hats and Bonnets,

Ribbons, Flowers, Laces, Fichus, Collars, Gloves, Veilings, Hosiery, Hair Goods, Silk, Satins and velvets, A great variety of

DRESS BUTTONS,

Combs and Hair Bands. I also sell Butterick's Patterns. Call and look over my

Wall Papers,

Books and Magazines for sale. Books to rent. Combings made up.

MRS. L. T. FURMAN.

Fechheimer Brothers,

67 AND 69 JEFFERSON AVE.
Detroit, Mich.

—DISTILLERS OF—

Bourbon & Rye Whiskies

—IMPORTERS OF—

Wines & Liquors of all Kinds!

WE ESPECIALLY TO CALL THE ATTENTION OF THE PUBLIC THAT WE HAVE APPOINTED MR. F. HAGERMAN, SOLE AGENT FOR THE SALE OF OUR

Pure Angelica Wine,

WHICH HAS BEEN HIGHLY RECOMMENDED BY THE MEDICAL FACULTY, FOR ITS TRUE MEDICINAL PROPERTIES.

Fechheimer Bros

PICTURES!

Taylor's 2 Photograph Galleries possess advantages that can not be found in any Gallery.

Go and see him, they are both thoroughly equipped and well manned.

Large colored work a specialty.

My uptown Gallery is two doors north of Post Office. I can be found at the old stand, corner of Saginaw St. and Auburn avenue.

Respectfully Yours,

A. B. TAYLOR,
PONTIAC, MICHIGAN

MOTHERS! MOTHERS!! MOTHERS!!!

Are you disturbed at night and broken of your rest by a sickening and crying child with the excruciating pains of cutting teeth? If so, go at once and get a bottle of MRS. WINSLOW'S SOOTHING SYRUP. It will relieve the poor little sufferer immediately—depend upon it, there is no mistake about it. There is not a mother on the earth who has ever used it, who will not tell you at once that it will regulate the bowels, and give rest to the mother, and relief and health to the child, operating like magic. It is perfectly safe to use in all cases, and pleasant to the taste, and is the prescription of one of the oldest and best female physicians and nurses in the United States, sold everywhere. 25 cents a bottle.

A COUGH, COLD OR SORE THROAT

should be attended to. Neglect frequently results in an incurable lung disease, or consumption. BROWN'S BRONCHIAL TROCHES does not dissipate the stomach like cough syrups and balsams, but act DIRECTLY ON THE INFLAMED PARTS. Allay the irritation, give relief in ASTHMA, BRONCHITIS, COUGHS, CATARRH, and the THROAT TROUBLES which AROUSE and PROVE SPEAKERS and SINGERS. For thirty years Brown's Bronchial Troches have been recommended by physicians, and are always given perfect satisfaction. Having been tested by side and constantly for nearly one entire generation, they have attained world-wide reputation as the best simple remedies of the age. Sold at 25 cents a box everywhere.

PICTURE FRAMES.

can be had at Whitehead & Mitchell's, at Detroit prices. Rustic frames 10 x 14, 12 x 12, 8 x 10, at 15, 20, and 25 cents respectively. We have large and handsome chromos 24 x 30, richly framed in black walnut, ebony and gilt frames, beautifully engraved for only $1.50. A full line of sample mouldings to select frames from. Call and satisfy.

Yours etc., WHITEHEAD & MITCHEL

BOOK AGENTS WANTED for OUR WILD INDIANS By Col. DODGE, for 23 Years an Indian Fighter, known by all Indians as "The Big Chief." This Thrilling Record of 23 Years' Experience is published by Authority, and is full introduction By Gen. Sherman. The only true account of Indian and Frontier Life in the Great West. Profusely illustrated with Fine Steel Plates, Full Page Engravings, and Splendid Engravings. It is the fastest selling book and demand exceeds over offered Agents. 100 AGENTS WANTED on Extra Terms. Send for circulars with full particulars to A. G. NETTLETON & CO., 117 S. Clark St., Chicago, Ills.

THE BEST OF ALL LINIMENTS FOR MAN AND BEAST.

For more than a third of a century the Mexican Mustang Liniment has been known to millions all over the world as the only safe reliance for the relief of accidents and pain. It is a medicine above price and pleasant to the taste of kind. For every form of external pain the

MEXICAN

Mustang Liniment is without an equal.

It penetrates flesh and muscle to the very bone—making the continuance of pain and inflammation impossible. Its effects upon Human Flesh and the Brute Creation are equally wonderful. The Mustang

MUSTANG

Liniment is needed by somebody in every house. Every day brings news of the agony of an awful scald or burn unheeded, of rheumatic pangs neglected, or a valuable horse or ox saved by the healing power of this

LINIMENT

which speedily cures such ailments of the HUMAN FLESH as

Rheumatism, Swellings, Stiff Joints, Contracted Muscles, Burns and Scalds, Cuts, Bruises and Sprains, Poisonous Bites and Stings, Stiffness, Lameness, Old Sores, Ulcers, Frostbites, Chilblains, Sore Nipples, Caked Breast, and Indeed every form of external disease. It heals without scars.

For the BEST TURKEY RED cures Sprains, Swinny, Stiff Joints, Founder, Harness Galls, Hoof Diseases, Foot Rot, Screw Worm, Scab, Hollow Horn, Scratches, Windgalls, Spavin, Thrush, Ringbone, Old Sores, Fall Evil, Film upon the Sight and every other ailment to which the occupants of the Stable and Stock Yard are liable.

The Mexican Mustang Liniment always cures and never disappoints; and it is, positively,

THE BEST OF ALL LINIMENTS FOR MAN OR BEAST.

New Enterprise.

The subscriber having for a long time contemplated the construction of a first-class

CUSTOM AND MERCHANT MILL

has now and complete fixtures of all the

Best Improved Designs

from the well-known establishment of the

Slater Manufacturing Co., of Cincinnati, Ohio,

and is fully prepared to do all kinds of

Merchant and Custom Work,

at his mill in Southfield, on short notice and in the very best manner possible. Thankful for past favors he hopes by fair dealing and courteous treatment to merit a share of the public patronage in his new line of

CASH PAID FOR ALL KINDS OF GRAIN AT THE MILL

Wm. Erity.

ESTABLISHED A. D. 1870.

THE BEE HIVE!

Near Court House, Pontiac,

JOHN POUND, - PROPRIETOR.

TO THE PUBLIC:

LADIES AND GENTLEMEN:

SPARKLING NOVELTIES IN THE FRONT SHOW ROOM, UP STAIRS. THE GRACEFUL WRAPS, SPRING SACQUES AND FINELY FURNISHED HEMMED DOLMANS IN LOVELY COLORS AND BEAUTIFUL EFFECTS.

We advertise no "Grand Spring Opening" but are open all the time to show the best stock of goods by far that is to be found in Oakland county. We have many foreign novelties (especially Parisian importations) to exhibit. Some of the wraps and costumes are elegant and in artistic designs for Ladies, Misses and Children. We call especial attention to the scenic effects of the beautiful gold and black Cabot and Madras Curtains we now have on hand, as well as to the fact that these can be found in our various departments almost

EVERY ARTICLE IN THE DRY GOODS LINE.

From the most trifling and inexpensive yet absolutely necessary article to some of the richest products of the looms of both continents.

JOHN POUND.

177 SAGINAW STREET.

Great Bargains!

Notwithstanding the great advance in all classes of stock,

Merritt & Harris

at 142 Saginaw street, Pontiac, Mich., are selling all kinds of

Boots & Shoes

25 per cent Cheaper than their competitors. The reason we can do this is we buy and sell more BOOTS and SHOES than any other two concerns in Oakland county. We make no misrepresentations. We never go back on our warranted goods. A child can buy just as cheap as a man. Call and see us and we will do you good.

Respectfully yours,

ISAAC B. MERRITT. JOHN A. HARRIS.

Bloomfield Mills.

The proprietors of these far famed mills take pleasure in announcing to our readers that the constantly increasing demand for our product has made it necessary to enlarge our capacity. To meet these demands, we have added a new wheel to our mill from one of the large manufacturing establishments of Ohio, which gives us double the capacity of former times, and we are now prepared to do Custom and Merchant Work with

NEATNESS AND DISPATCH.

You will always find a full and complete stock of Feed, Meal, Graham Flour, and the best grade of Family Flour in the market, and all for sale as cheap as at any mill in the county. All goods delivered free.

J. J. Toms & Co.

J. H. VOORHEIS

The Furniture man of Pontiac, continues to live and sell furniture cheaper than ever since he has moved into the Crawford Block.

He also manufactures Tables, Stands, Bureaus, Bedsteads, Lounges, Matresses, etc., and does all kinds of

Upholstering and Repairing

on short notice. He has had an elegant Furniture wagon made to order for the purpose of delivering Furniture without marring or breaking, and if you buy a bill of goods of him of $50.00 or more, he will deliver them within eight miles of the city.

Free of Charge,

Give him a call in Crawford Block, opposite Washington Hall Block, Pontiac, Mich.

I have the best facilities for furnishing

Caskets AND Burial Cases

Together with all Trimmings. I will attend to every part of the business in a satisfactory manner. All orders for Funerals will be attended to promptly, and the friends of the dead will be relieved of all care in the arrangements for burial. A good stock of coffins, etc. always on hand.

An Elegant Hearse!

ne as any in the county, will be furnished on all occasions. Term warranted to be as low as any in the State.

Livery Department.

First-class Single and Double Rigs.

I have recently purchased and added to my Undertaking Business at considerable expense, one Taylor's Improved Ice Caskets for preserving the dead. This method keeps the flesh from discoloration, does away with the odor, and by embalming, poisoning etc. is unnecessary.

J. O. BRUTAKE