

DONIPHAN BRICK WORKS,

CHAS. KLOSE, PROP.

Doniphan, Neb., Oct. 12th 1890.

Rich. Hibberd, Esq.

Learney

Sir!

I hereby send you Plans & Spec. of Kiln
as requested!

Excuse that I did not send it the next day
as promised, I made some changes in Specif.
first, and then I had to have it copied at
Learney.

In regard to Size given at Spec. & Plan I
wish to say that in regard to the width of
Kiln need not be necessary 17'5" like mine.
As you intend to build 10 Chambers why
not make it wide enough so as ^{to answer} to burn
your whole output of 6 Mill p. year, all
in this one Kiln? I propose to make 10
horizontal flues instead of 7. This would make
the Kiln ab. 20' wide (only 2 1/2' wider than mine)
20 x 18 x 8 gives 2944 cubic feet. 1 cubic foot is equal
to 15 green (loose set) Brick, or, 44,000 for 1 Chamber
or 440,000 for 10 Chambers! over

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By using 10 Chambers you can have fire on 2 places and thus bringing the capacity up to 32 — 35,000 per day. — Your Stack is the most expensive part of the Kiln and as it is of sufficient width a height ~~was~~ to give enough draft, why not use it to its full capacity?

Now take the differ. in costs, between a Kiln of 17 1/2' width and one of 20'; the sidewalls are the same, and it would hardly amount to \$50⁰⁰ what it would cost more.

I am sure it would work just as good and I do not see why it should not. The flues ~~would~~ will have to be made 1/5 larger as the difference between 17 1/2 and 20 is just 1/5.

I would have build my Kiln larger too, but I only wanted one of 12,500 capacity, but it exceeds that ~~is~~ a good deal. This time I have 185,000 in it, and I shall burn it in 13 days. It works just splendid.

One good man can attend to a Kiln of 30,000 Capacity

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just as well as to one of only 10,000 thus reducing
burning expenses at least 20 cts per mille.

But all this is just a proposition and you
might do as you like too, but if I was on your
place I would do it, I guarantee it will go.

Common Brick can not be made cheap enough
but at the proposed way you can depend upon
reducing the costs of at least \$1.00 p. m.

I think I shall be able to come up next week
and I wish you would not do anything on the
Kiln * till I am there. I could not give you
exact measures now as it depends some on
the length of the Brick.

Please do not show plan & spirit to anybody
except your foreman.

Yours Truly

C. Klose.