

Chert band at Malden
Horizontal section or surface



Vertical section



This band varies in depth from
two inches to eight or more.
Specimen No 2 is from this band
The horizontal section shows
various irregular centres and the
bed seems to be an immense

Conglomeration of these forms
compressed together and must
have covered immense fields
~~fields~~

There is another bed of stratified
flint in these quarries showing
no sign of organic life the
bed is used for road making

used for road marking



Comfortable Cottage

68 Cannon St West

Hamilton

July 15th 1877

Professor W Dawson

McGill University Montreal

Dear Sir

I have been told that Col Grant has just
 handed me your letter of June 12th in which you
 say you should like to see a specimen in my
 collection resembling the Eozone taken from the
 Corniferous. As you could form but little judgment
 from a cutting I send you the specimen marked
 No 1. If you can get a portion cut off where I have
 marked it with a pencil you are welcome to do
 so I would not ask you to send these specimens
 back if I thought I could duplicate them. In the
 same stone that this is from I found a Zaphrentes
 and a Favosite there can be no doubt of its being
 from the Corniferous just overlying the Niagara
 about five miles south East of Hamilton. I had
 supposed it to be one of the ordinary corall formations
 but for the circular form and arrangement of the tubes
 I showed it to Grant and he thought by the peculiar

arrangement of the foam that it belongs to the Eozone
I could see no signs of the tubes being tabulated
might it belong to the Bryozoa. There is one form
found in what is termed the Coral rag of England
which folds somewhat like this although found in
a much later formation — No 2 Is probably a
specimen of the Stromatopora. This was taken from
the quarries at Malden near Amhursting in a band
of Chert about two or three feet from the surface.
This band varies in depth from two inches to up to
seven or eight and is entirely made up of this formation
which appears to be one vast mass of what would
seem to be Stromatopora rugosa. In it I found some
perfect specimens or at least the centre of specimens
but they were so pressed and jammed together
that they could not be separated. I traced the band
for a long distance and it must have covered fields
of many acres but as I only had an hour or so to
spare I could not give it the attention I should have
liked. I send you a little sketch showing the appearance
of the band. I may be able to get some better specimens
if it should turn out to be of the Eozone class. It is
possible the formation may be the effect of the
arrangement of the Chalcedony of which it is mostly
made up although much of it is carbonate of lime
as is the piece sent. I picked the piece as it gives
place easily to Hydrochloric acid which might be
useful to detect the foam. I have marked a spot on
this specimen with a + where the formation of the

upper surface may be seen by a powerful glass
If you like to cut this specimen through where
I have marked it with a pencil or if you think
a section the other way would expose it better
you can do so and send me the other piece
If this should turn out to be of the Stromatopora
the immense pits here exhibited would be
truly wonderful — No 5 is a polished
specimen of the Stromatopora rugosa from
Mable-head a small Island on Lake Erie
near Sandusky there are many of these
Islands and are like the Malden stone
Companions although they are higher up
in the formation I got from this limestone
beautiful specimens some of which come out
complete all of which as well as the corals
bear a very high polish I merely send
you this specimen to look at as it is seldom
you may see anything so perfect or so well
adapted for the glass I should not have
taken the liberty to send you these specimens
but from your wish to see specimen not
from Mr Grant's description. When you have
had time to examine these you can either
send them back as sent or give them
to Mr S. J. Murton of the Exchange Bank
Montreal and he will take charge of them
for me. Yours very truly
A. E. Walker
88 Cannon St. West Hamilton Ont

I send the specimens
by sample post with this
and trust they will come
duly to hand as I should not like
to loose them
Yours
A. E. Walker

Received of A. E. Walker
the sum of \$10.00
for the purchase of
specimens of
Stromatopora
No. 5
A. E. Walker
88 Cannon St. West
Hamilton Ont