

ON HER MAJESTY'S SERVICE

WASC1363

W.A. 12th Dec^r 1813 ¹⁰²

D^r Griffin

1363.

D. McCulloch wrote to me
on the 8th Sept^r 1809 - requesting to
know the dimensions of Millstones

I kept no Copy of my
answer to him, but from a Mem^o
made upon his Letter I imagine
I told him that the largest Bedstones
in use were $\frac{1}{2}$ in

7.. 6 Diameter

1.. 6 Thick

consequently that in the Rough
all new Beds to cut out to those
dimensions should be

$\frac{1}{2}$ in
7.. 8 Diameter

1.. 8 Thick

which would allow for waste &
polishing. I think it most likely that
I added that none ought to be obtained
less than $\frac{1}{2}$ in
6.. 9 Diam^t: i.e. Bedstones

With respect

103

with respect to Runners I should
think I told him that we
had them in use as large as

6.6 Diam.

1.6 thick

and I think I might add that
no new Runners ought to be
obtained less than

5.9 Diam.

The holes to receive the Wood Boxes
in the center of the Runners
should be — 1 foot square

and the holes in the center of the
Bedstones for the Step Blocks
8 inches square

I have however had an account
taken of the dimensions of all
the millstones in use, & will
send it you by tomorrow's
Post

The largest Beds & Runners
(i.e. in reason) make the best Powder

believe me in haste

Sincerely yours,

C. J. [Signature]

Sunday night

The dimensions I gave you

from 6.3 } for Runners
to 6.6 } 1.6 to 1.0 thick

from 7.3 } for Beds
to 7.6 } 1.2 to 1.6 thick

is I think the best average dimensions
to go by

Dimensions of Mills tones in use at Waltham Abbey 13th Dec^r 1813.

Mills tones				Runners 105			
Diameter		Thickness		Diameter		Thickness	
Feet	inches	Feet	inches	Feet	inches	Feet	inches
Lower Island N ^o . 1 Mill							
7	4	1	6	6	0	1	6
7	4	1	6	6	0	1	5
N ^o . 2 Mill							
7	5	1	7	6	1	1	4 1/2
7	4	1	6	6	2	1	4 1/2
N ^o . 3 Mill							
7	4	1	5	6	0	1	6 1/4
7	5	1	7	6	2	1	6
N ^o . 4 Mill							
7	6	1	6	6	0	1	6
7	4	1	6	5	11	1	5 1/4
Upper Works N ^o . 10 Mill							
7	4	1	6	6	2	1	6
7	5	1	5	6	0	1	5
N ^o . 11 Mill							
7	4	1	5	6	1	1	5
7	4	1	6	6	3	1	4
Upper or Iron Mill							
7	4	1	6	6	2	1	6
7	5	1	6	5	10	1	4
Lamb's Mill							
7	6	1	5	6	2	1	5
7	6	1	6	6	3	1	5
Noppit Mill							
7	6	1	5	6	4	1	6
7	6	1	6	6	7	1	6
16 Head Mill							
7	6	1	7	6	1	1	5
7	4	1	6	5	6	1	5
15 Head Mill							
7	4	1	6	6	7	1	6
7	5	1	7	6	6	1	6
Smeaton's Mill							
7	5	1	6	6	5	1	5
7	6	1	5	6	5	1	6
Queen Mead Mill							
7	5	1	6	6	8	1	6
7	6	1	6	6	1	1	4
Horse Mills - N ^o . 1 Mill							
6	6	1	5	5	7	1	5
" 2 "							
6	8	1	5	5	3	1	5
" 3 "							
7	2	1	6	6	3	1	4
" 4 Shut up							
6	6	1	5	5	4	1	3
" 5 Shut up							
7	2	1	6	5	5	1	3
" 6 Shut up							
7	0	1	5	5	6	1	3
" 7 dismantled							
6	"	"	"	"	"	"	"
" 8 Shut up							
7	4	1	6	5	8	1	3 1/4
" 9 dismantled							
"	"	"	"	"	"	"	"

Observations: No Bedstones less than 7.4 Diam^r. in the Water Mills at present. No Bedstone less than 6.6 Diam^r. in the Horse Mills.

Runners in use at Pulwater Mills as high as 6.7 Diam^r.; generally 6.0, & upwards; the smaller Runners in the Water Mills probably brought over from the dismantled Horse Mills.

Dimensions of
Millstones
in use at
The Royal Powder Mills
at
Waltham Abbey

13th Dec^r. 1813