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Mary Smith's Commonplace book concerning science and mathematics

Extracted on Apr-16-2024 01:23:11

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A small wick.	
$18 \frac{1}{2} / 0 \text{ " } 14 \frac{1}{3} \text{ " } 15 \frac{1}{4}, 85$	
A large D.	
$19 / 0 \text{ " } 13 \frac{1}{2} / 2 \text{ " } 40 / 5, 70$	
$16 \frac{1}{2} / 0 \text{ " } 15 \frac{1}{2} / 2 \text{ " } 40 / 6, 54$	
$12 / 1 \text{ " } 5 \frac{1}{2} / 3 \text{ " } 27 / 6, 96$	
$10 \frac{3}{4} / 1 \text{ " } 8 \frac{1}{3} \text{ " } 36 / 7, 50$	
$7 \frac{3}{4} / 2 \text{ " } 1 \frac{1}{4} \text{ " } 9 / 8, 94$	
$8 / 2 \text{ " } 0 \frac{1}{4} \text{ " } 15 / 8, 47$	
$5 \frac{3}{4} / 2 \text{ " } 13 \frac{1}{5} \text{ " } 19 / 9, 53$	
<hr/>	
D. o at 6 s	
8 d $\left[\frac{\text{per}}{\text{Doz.}}$	
<hr/>	
$12 / 1 \text{ " } 5 \frac{1}{3} / 3 \text{ " } 39 \frac{1}{4} / 7, 30$	
$8 / 2 \text{ " } 0 \frac{1}{4} \text{ " } 34 / 8, 42$	
$6 / 2 \text{ " } 10 \frac{2}{3} / 6 \text{ " } 34 / 8, 06$	

In the winter 1766 I myself found the mean burning of each candle from the time of the whole 8 in the pound for 3 successive pounds to be $4 \frac{1}{4}$ M
 $4 \frac{1}{4}$ H $35 \frac{1}{3}$ M
 $4 \frac{1}{4}$ H $54 \frac{1}{2}$ M
The mean of these 3 again is $4 \frac{1}{4}$ H
44. -- The mean for each candle from a whole pound of sixes is $6 \frac{1}{4}$ M
and for one from a whole pound of twelves is $3 \frac{1}{4}$ M
Which & their appurtances are put down in the three last lines of the Table

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