

ADDITIONAL FILE 2: Full description of W&N 19th century manufacturing processes for Lemon (barium chromate), Citron (zinc potassium chromate) and Strontian (strontium chromate) Yellows

Table S1 Codes for the ingredients used by W&N.

Chromate source			Buffer	Barium source		Zinc source		Strontium source	
a	b	c		a	b	a	b	c	a
$\text{K}_2\text{Cr}_2\text{O}_7 + \text{Na}_2\text{CO}_3$	$\text{K}_2\text{Cr}_2\text{O}_7$	K_2CrO_4	K_2CO_3	BaCl_2	$\text{Ba}(\text{NO}_3)_2$	$\text{Zn}(\text{NO}_3)_2$	ZnSO_4	$\text{Zn}(\text{Ac})_2$	$\text{Sr}(\text{NO}_3)_2$

Table S2 W&N Lemon Yellow (LY) manufacturing processes.

LY1a			LY1b			
LY2a			LY2b			
LY3						

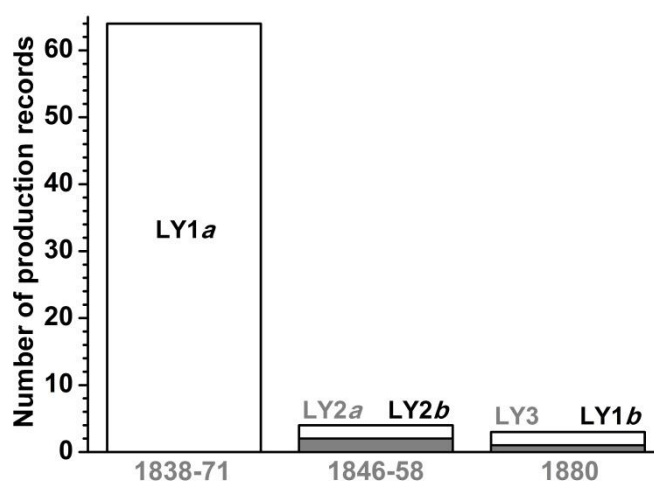


Fig. S2 Number of production records and date range for each of the Lemon Yellow manufacturing processes.

Table S3 W&N Citron Yellow (CY) manufacturing processes.

CY1a					CY1b		
CY2							
CY3							

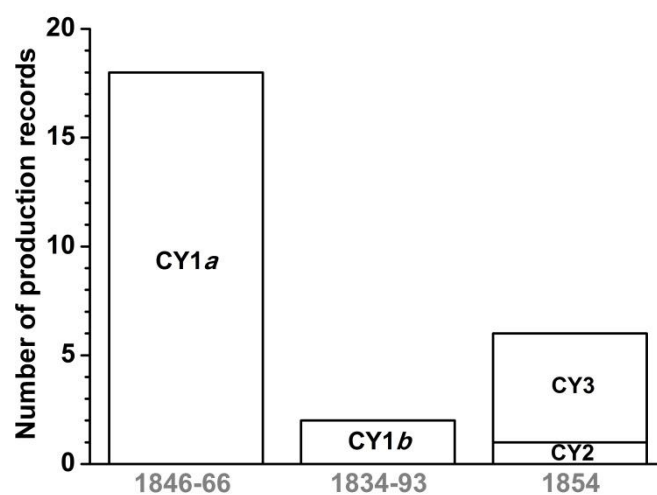


Fig. S3 Number of production records and date range for each of the Citron Yellow manufacturing processes.

Table S4 W&N Strontian Yellow (SY) manufacturing processes.

SY1	a	a		
SY2	b		a	
SY3	c	a		



Fig. S4 Number of production records and date range for each of the Strontian Yellow manufacturing processes.