

Lecture Notes:

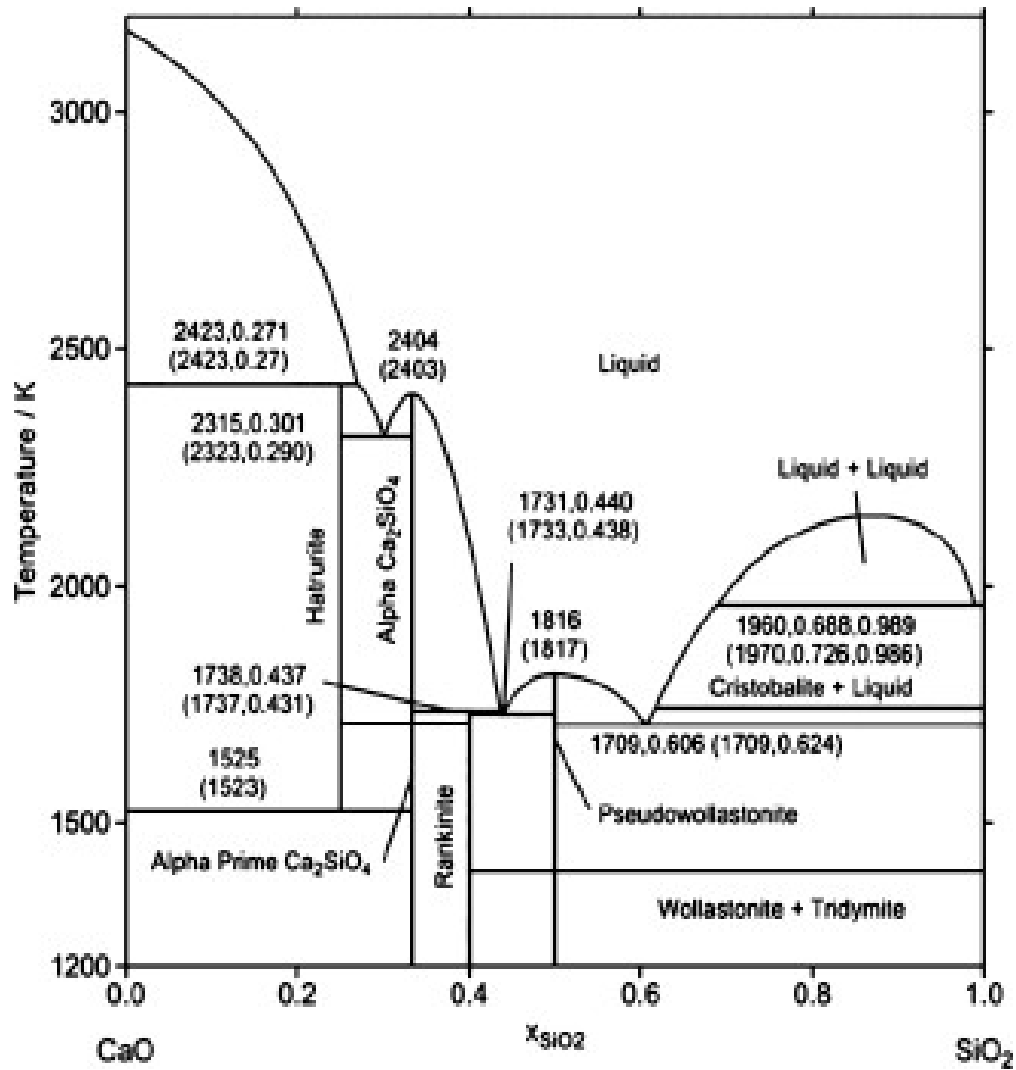
Fundamentals of Materials Production 1

Spring 2017

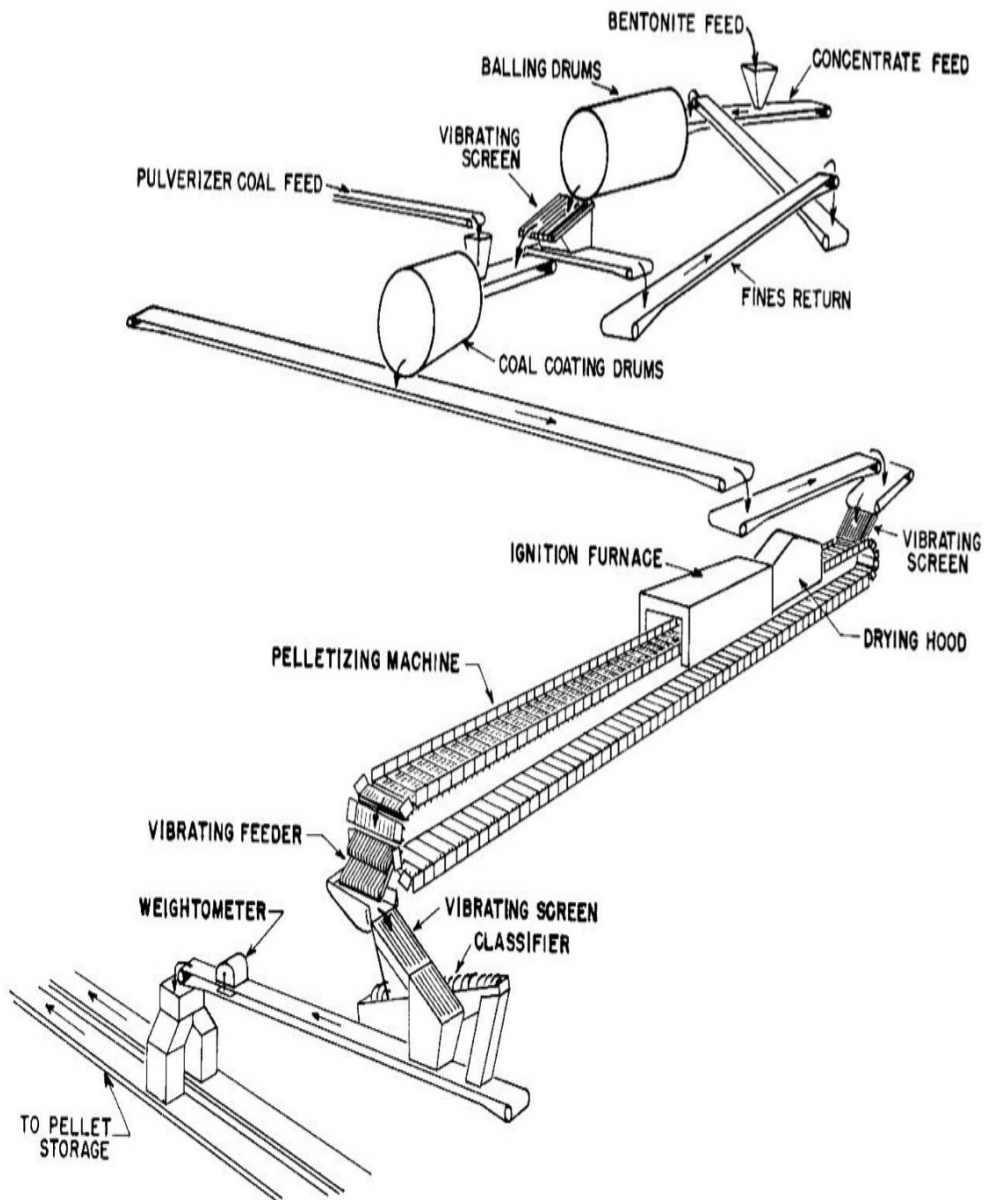
BSc Course

Titles:

- Pyrometallurgy
- Agglomeration
- Blast Furnace
- Steelmaking
- Copper Smelting
- Zinc and Lead
- Aluminum







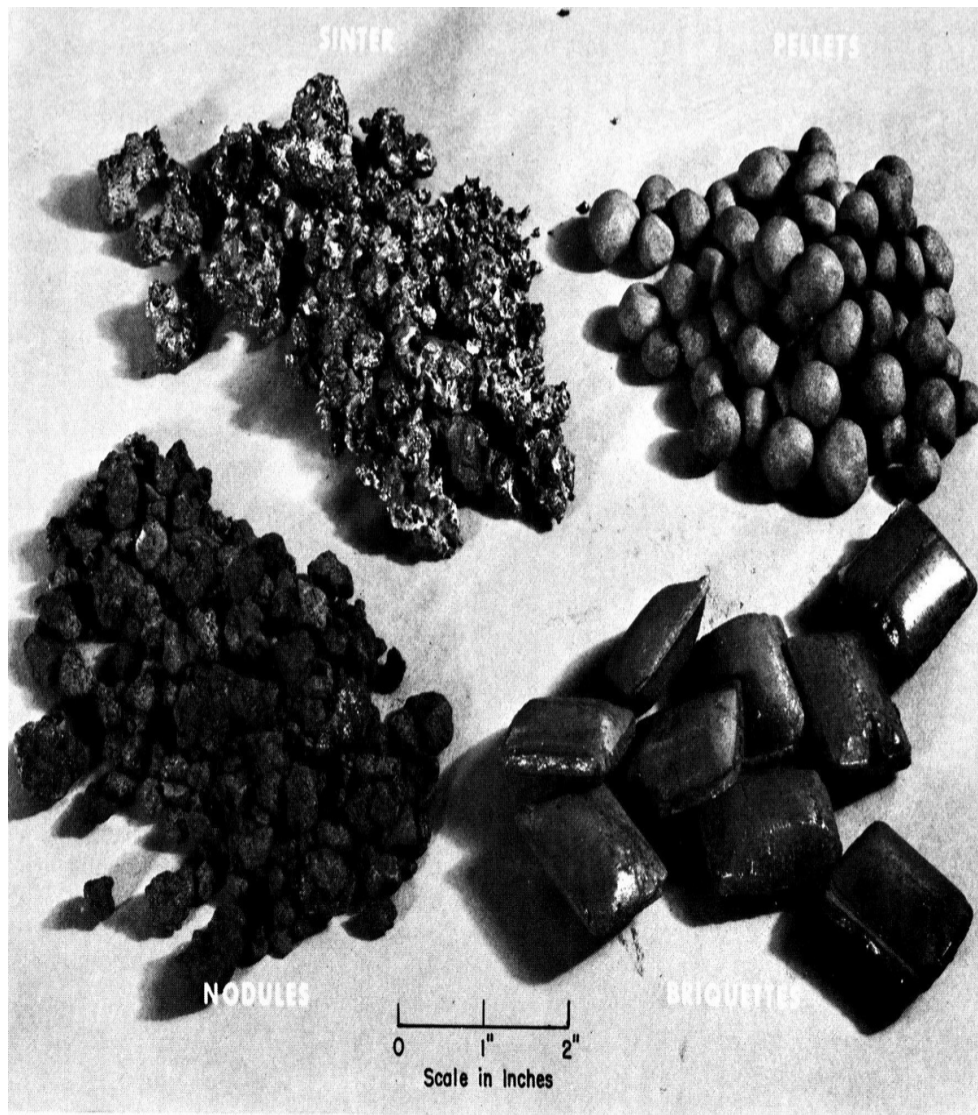


FIG. 5—20. Four types of iron-ore agglomerates. The briquettes at the lower right were produced by hot-ore briquetting.

1	Agglomerates	
2	Sinterizing	
3	Pelletizing	
4	Nodulizing	
5	Briquetting	
6	Blast furnace gas	
7	Blast furnace balance	
8	Blast furnace price	
9	Blast furnace diagram	
10	Blast furnace distribution	
11	Blast furnace gas analysis	
12	Blast furnace making	
13	Blast furnace blown	
14	Roasting	
15	Reverberatory furnace smelting	
16	Flash smelting	
17	Flash smelting (Inco furnace)	
18	Flash smelting (Outokumpu furnace)	
19	Flash smelting	
20	Flash smelting (Kivcet furnace)	
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