

Lecture Notes:

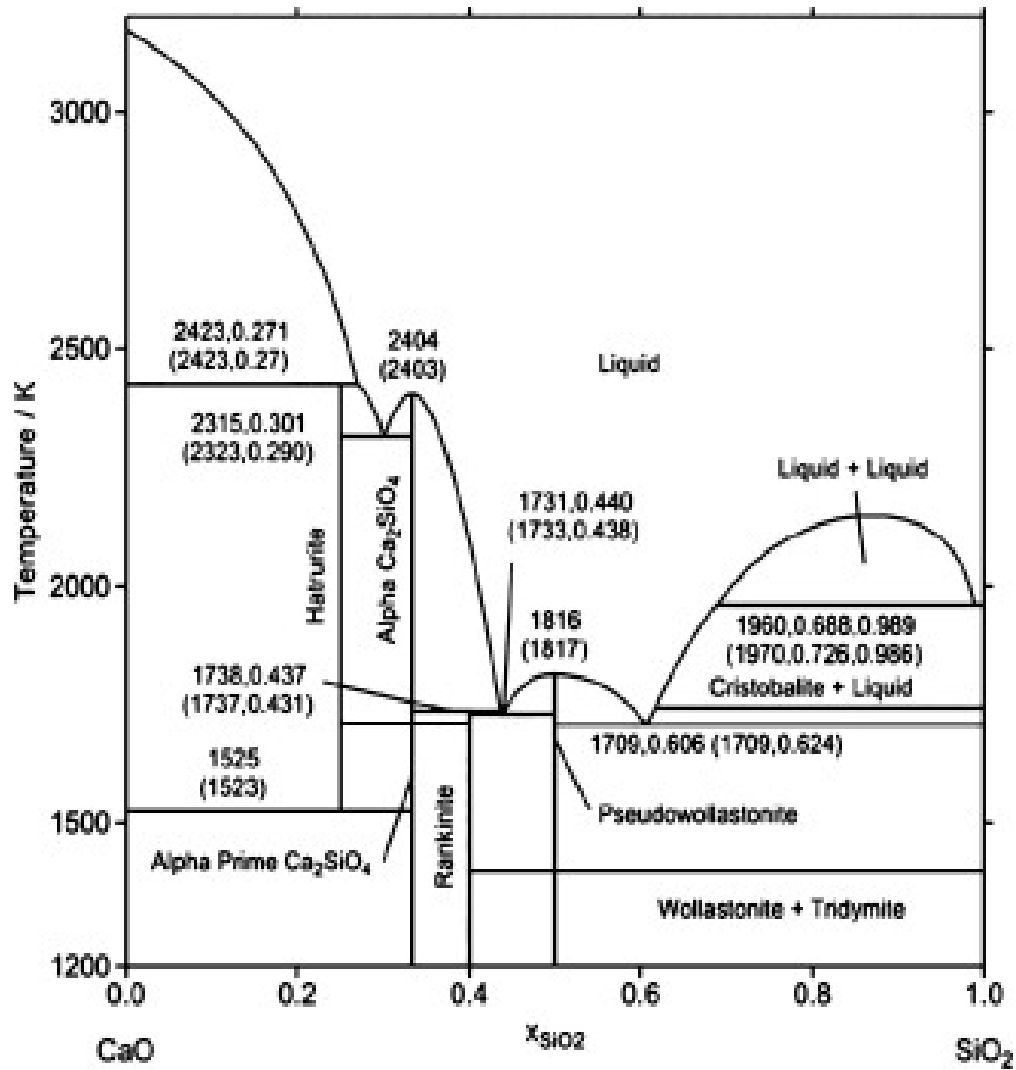
Fundamentals of Materials Production 1

Spring 2017

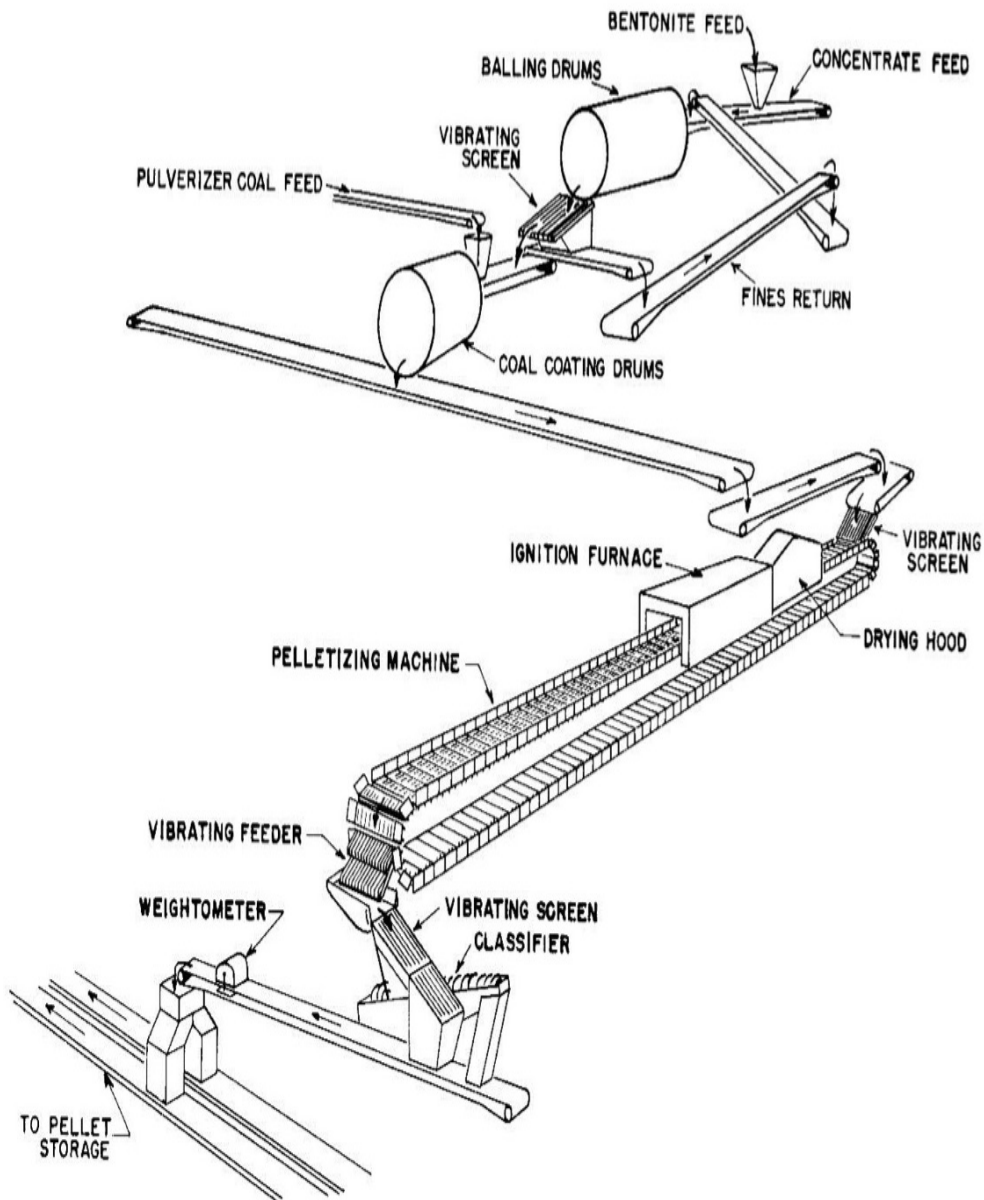
BSc Course

Titles:

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







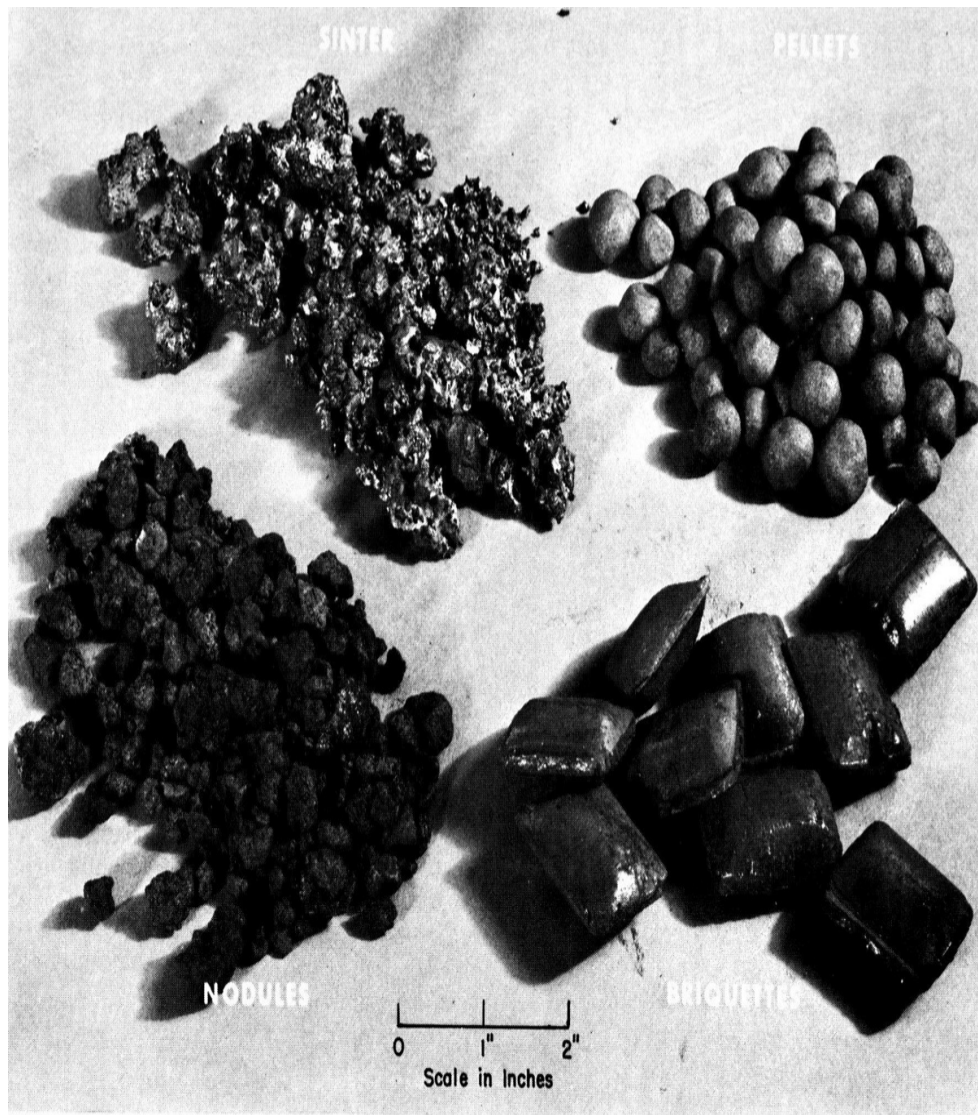


FIG. 5—20. Four types of iron-ore agglomerates. The briquettes at the lower right were produced by hot-ore briquetting.

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 (Kivcet furnace)	
20	Flash smelting	
21	Flash smelting	
22	Flash smelting	
23	Flash smelting	
24	Flash smelting	
25	Flash smelting	
26	Flash smelting	
27	Flash smelting	
28	Flash smelting	
29	Flash smelting	
30	Flash smelting	
31	Flash smelting	
32	Flash smelting	
33	Flash smelting	
34	Flash smelting	
35	Flash smelting	
36	Flash smelting	
37	Flash smelting	