

## SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

### F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

**F23M CONSTRUCTIONAL DETAILS OF COMBUSTION CHAMBERS, NOT OTHERWISE PROVIDED FOR** (construction or support of tube walls for steam boilers F22B; generating combustion products of high pressure or high velocity F23R)

- |   |  |
|---|--|
| <p><b>3/00 Firebridges</b> (baffles not confining the fire F23M 9/06)</p> <p>3/02 • modified for circulation of fluids, e.g. air, steam, water</p> <p>3/04 • • for delivery of gas, e.g. air, steam</p> <p>3/06 • • • into or towards fire</p> <p>3/08 • • • away from fire, e.g. towards smoke outlet</p> <p>3/10 • • • transversely</p> <p>3/12 • characterised by shape or construction (F23M 3/02 takes precedence)</p> <p>3/14 • • with apertures for passage of combustion products</p> <p>3/16 • • built-up in sections, e.g. using bars or blocks</p> <p>3/18 • • double; multiple</p> <p>3/20 • • comprising loose refractory material, wholly or in part</p> <p>3/22 • movable; adjustable</p> <p><b>5/00 Casings; Linings; Walls</b> (casings, linings, or walls of heat-treatment chambers of ovens, kilns, or retorts F27D)</p> <p>5/02 • characterised by the shape of the bricks or blocks used (ceramic materials C04B 33/00, C04B 35/00)</p> <p>5/04 • Supports for linings</p> <p>5/06 • Crowns or roofs for combustion chambers (F23M 5/02, F23M 5/04 take precedence)</p> <p>5/08 • Cooling thereof; Tube walls</p> | <p><b>7/00 Doors specially adapted for combustion chambers</b> (in general E06B; for flues or smoke-boxes F23J 13/08)</p> <p>7/02 • Frames therefor</p> <p>7/04 • Cooling doors or door frames</p> <p><b>9/00 Baffles or deflectors for air or combustion products; Flame shields</b></p> <p>9/02 • in air inlets</p> <p>9/04 • with air-supply passages in the baffle or shield</p> <p>9/06 • in fire-boxes</p> <p>9/08 • Helical or twisted baffles or deflectors</p> <p>9/10 • Baffles or deflectors formed as tubes, e.g. in water-tube boilers (interconnection of such tubes in boilers for fluid flow F22)</p> <p><b>11/00 Safety arrangements</b> (by controlling combustion F23N 5/24)</p> <p>11/02 • Preventing emission of flames or hot gases, or admission of air, through working or charging apertures</p> <p>11/04 • Means for supervising combustion, e.g. window (alarm systems G08B)</p> <p><b>99/00 Subject matter not provided for in other groups of this subclass [2010.01]</b></p> |
|---|--|