

pecies of celestine, of which Brochant gives us the following description:—Colour bluish grey. Occurs massive. Fracture splintery. Opaque. Semi-hard, passing to soft. Somewhat frangible. Rather mild. Specific gravity 3,500.

The specimens in my collection possess the following characters:

Colour yellowish grey. Occurs in flattened spheroidal and kidney shaped pieces; which are often internally traversed by rents, that divide its surface into quadrangular pieces: the surfaces of these pieces are drusy. Fracture fine splintery, and sometimes minute foliated. Opaque, and sometimes translucent on the edges. Soft, passing into semi-hard. Easily frangible. Mild. Heavy. Specific gravity 3,596. Constituent parts, according to *Vauquelin* *J. d. M.* n. 53. p. 355.

Sulphat of strontiane 91,42

Carbonate of lime 8,33

Oxyd of iron 0,25

Celestine may thus be divided into four subspecies.  
1. Compact. 2. Fibrous. 3. Radiated. 4. Foliated.

END OF THE FIRST VOLUME.