

“ I passed several days with M. Buffon, whose company has the same charms as his style, and whose conversation is as complete as his books : I took a pleasure in presenting him with the production of our essays ; we examined them together, and observed, First, that the drachm of platina, agglutinated by these experiments, was not attractable by the loadstone ; that, nevertheless, the magnetical bar had an action on the grains that were loosened from it.

“ 2. The half drachm of the third experiment was not only attractable in the mass, but the grains of gold separated therefrom did not themselves give any signs of magnetism.

“ 3. The platina of the fourth experiment was absolutely insensible to the loadstone.

“ 4. The specific weight of this piece was determined by a good hydrostatical balance, and being, for the greater certainty, compared to coined and to other very pure gold, used by M. Buffon in his experiments, their density was found, with water, in which they were plunged,

Pure gold	-	$19 \frac{8}{1}$
Coin gold	-	$17 \frac{1}{2}$
Platina	-	$14 \frac{2}{5}$

“ 5. This piece of platina was put upon
steel