

it be pure sulphur, it may be volatilised by a continued gentle heat. The filtered solution is first repeatedly diluted with distilled water, as long as any precipitate is occasioned, this precipitate is collected upon a filtre, and dried.—It is BISMUTH.

The filtered liquid is then mixed with muriatic acid, as long as any precipitate is occasioned; the precipitate is also collected upon a filtre; it is the SILVER combined with muriatic acid, from which the silver may be separated, by mixing the precipitate with two parts of dry soda, and fusing it in a crucible; by this means, the acid leaves the silver, and unites with the soda, and thus the silver is found reduced, and its weight may then be easily ascertained.

The remaining solution is evaporated to about four ounces bulk, and sulphuric acid is added as long as any precipitate is occasioned; the precipitate contains the lead which was in the ore, and which may be separated from the sulphuric acid by soda, in the same way as the silver.—Thus the LEAD is separated.

The remaining solution is then further decomposed by saturating it with mild ammonia, which occasions the iron to separate, and keeps the copper in solution; the precipitate is then

VOL. II.

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