<page>100v</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f206.image</image>

<div>

<id>p100v\_1</id>

<head><m>Gemstone</m></head>

<ab>Take <m>white pebbles that are found by the <env>rivers</env> &amp; among the <env>sand bank</env>, &amp; <env>paths</env>, which are somewhat transparent</m>, &amp; if they are perfectly transparent it will be better. If not use the best &amp; whitest that you can. Calcine them three or 4 times in your <tl><fr>four à vent</fr></tl> &amp; quench them in <m>water</m> or <m>vinegar</m>. Next, take a <ms><figure>℥</figure></ms> of them and <tl>pestle</tl> them in a <tl>totally pure <m>copper</m> mortar</tl>, &amp; with a <tl>pestle of pure <m>copper</m></tl>, and grind them until they become very fine &amp; soft powder, and this is a sign that they have taken the substance of<m>copper</m>,enough for giving them greenness. At that time, on your <ms><figure>℥</figure></ms> of <m>pebbles</m>, put in three <ms><figure>℥</figure></ms> of <m>good minium, not adulterated by brick</m> &amp; anything else, and grind everything together again very well in a <tl><m>bronze</m> mortar</tl>. And on all of this, put in a <ms><fr>gros</fr></ms> <add><del>pour <ms><figure>℥</figure></ms></del></add> of <m><fr>sel de verre</fr></m>; &amp; some &amp; the <pro>common people</pro> put in <del><fr>e</fr></del> <m>sandever</m> that they find at the <pro>glassmakers</pro> or <pro>apothecaries</pro>. But <m>alkali salt</m>, as you know, is better.

In this way, the <pro>common people</pro> make emeralds &amp; cast in sand. If you do not have a <tl><m>bronze</m> mortar</tl>, grind <corr><del><fr>avecq</fr></del></corr> <del>a mort</del> in a <tl>kettle of pure <m>copper</m></tl>.

<man><margin>left-middle</margin>Emerald</man></ab>

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One needs to reheat <tl>crucibles</tl> before putting in materials, and put them in the <tl><fr>fornaise</fr></tl> or <tl><fr>four à vent</fr></tl>, before making &amp; increasing the fire.

<figure>

<id>fig\_p100v\_1</id>

<link><https://drive.google.com/open?id=0B9-oNrvWdlO5QUx4eF9qWU1jS28></link>

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They are made in an <ms><tmp>hour &amp; a half</tmp></ms>.

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A <ms><fr>gros</fr></ms> of <m>salt</m> on the four <ms><figure>℥</figure></ms> of <m>pebbles</m> &amp;<m>minium</m>. When one says: for <ms><figure>℥</figure></ms>, this is to be understood: on one <ms><figure>℥</figure></ms> of the body &amp; not of the <m>salts</m> &amp; the <m>minium</m>.

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<id>p100v\_2</id>

<head>For <m>ruby</m> take some <m>gold leaf</m></head>

<ab>Raise your <tl>furnace</tl> <ms>by two <tl>tiles</tl></ms> all around, because one needs more heat for making <m>rubies</m> than for <m>emeralds</m>. And take one <ms><figure>℥</figure></ms> of <m>white calcined pebbles</m> and put it in a <tl>mortar of <m>glass</m></tl>; &amp; having ground it coarsely with the <tl>pestle</tl> of the same, mix in <del><ms><fr>grain</fr></ms></del> the <ms>weight of a <fr>grain</fr></ms> of <m>gold leaf</m> of what the <pro>painters</pro> <m>gild</m>, &amp; grind</ab>

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Some say that, mixing the <m>gold</m> with the <m>pebbles</m> and the <m>saltpeter</m>, it makes the color of a <pa>peach tree</pa></ab>.

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Others say that it is necessary that the <m>gold</m> be soldered several times then beaten into leaf.</ab>

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