<page>132v</page>

<image><http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f270.item.r=></image>

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<cont/>

<id>p132r\_2</id>

<ab>dry by itself. When your mold starts to redden, it will soon be become completely red-hot. But make sure that its bottom is red-hot too, without any black spot.</ab>

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<div>  
<id>p132v\_1</id>  
<head> Common quarry <m>sand</m></head>

<ab>In a frame, If you cast it hot, <m>sand</m> will bubble; thus you have to just dry it.</ab>

<ab>  
<margin>left-top</margin>  
I have tried to prevent molds blended with <m>sand</m> from cracking when annealed, and thus not get any with flaws that crack.</ab>

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<id>p132v\_2</id>  
<head><m>Crocum ferry</m></head>

<ab>After I processed it with <m>vinegar</m> and reddened under heat, I had it ground very finely on the <m>porphyry</m>, until there could be no ruggedness felt under the nails. Then I soaked it in very good <m>vinegar</m> for 2 or 3 days, stirring the mixture several times a day. Then I boiled it and made it red-hot in a pot, and put the whole thing into an air furnace. I obtained a mass full of eyes, but that crumbled finely between the fingers. I mixed half as much as <m>stone alum</m> in the sand. I diluted the sand very thinly, and molded a very small lizard, which molded very cleanly and finely. <m>Crocum ferry</m> does not make the mold harder, but makes it firmer. When your mold is soft and fat under your nail, it means that the <m>crocum</m> is good, very fine and well prepared. You can add any quantity of <m>crocum</m>, your mold will not be damaged because it is a friend of gold. I think it would be the same with <m>silver</m>. And in order that molds made with it do not crack, make it with needle filings.</ab>

<ab>  
<margin>left-top</margin>  
<m>Sand</m> is better made with <m>distilled vinegar</m>.</ab>

<ab>  
<margin>left-middle</margin>  
You can add this <m>sand</m> to the molds you want to use to cast <m>silver</m>, because it make molds firmer, and when you scratch it, you will find it a bit rougher than the other molds not made from this <m>sand</m>. You mold very clean with this <m>sand</m>.</ab>

<ab>  
<margin>left-bottom</margin>  
You can use this one for all molds, because it prevents them from cracking and bursting when heated. This <m>sand</m> withstands several casts for molding flat medals. Sand from <m>steel</m> or <m>needle filings</m> is redder and better.</ab>

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<div>  
<id>p132v\_3</id>  
<head>Gilding animals casted with <m>silver</m></head>

<ab>You can gild them with an amalgam, the lines won't be damaged if they are made from <m>silver</m>.</ab>

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