<page>154r</page>

<image><http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f313.item.r=></image>

<div>  
<id>p154r\_1</id>  
<head><m>Gold</m> not being fixed</head>

<ab><m>Gold</m> as gilding goes away once the piece is reheated &amp; kept in high heat, especially if there is some lead, for lead will pierce in the fire a piece with gold, because it holds closely with <m><figure>☿</figure></m>.</ab>

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<div>  
<id>p154r\_2</id>  
<head>Cutting <m>lead</m></head>

<ab>Because it is fat &amp; grips &amp; attacks the knife or chisel, wet it &amp; you will cut it like glass.</ab>

<ab>  
<margin>left-top</margin>

Sometimes <m>gold</m> &amp;<m>silver</m> take on, through certain smoke, some color during the casting. But these are not at all scales &amp; <fr>chappe</fr>, but rather this color goes aways with whitening &amp; <fr>bullitoire</fr>.</ab>

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<div>  
<id>p154r\_3</id>  
<head>Sweetening <m>silver</m></head>

<ab>When <pro>goldsmiths</pro>, who are working with large works have forged their platters, it very often happens with their sheddings that it bursts &amp; breaks for being too soured. To avoid this, throw in, when it is well melted, some dry mortar, composed of sand &amp; good lime which has been worked, &amp; pulverize it &amp; throw it in.</ab>

<ab>  
<margin>left-middle</margin>  
<pro>Goldsmiths</pro> do not work at all with <m><cn>real</cn></m><m>silver</m>, that is not alloyed, because it is leady &amp; when forging it sours.</ab>

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

Some solder, for small works &amp; things which only go in the fire once, with some old <cn><fr>sol</fr></cn> &amp; reheated &amp; beaten <cn>carolus</cn>. However, if the sol is not very good, the solder eats away &amp; one needs to solder on it twice &amp; there is too much copper on it. Others solder with half silver &amp; half fine copper.</ab>

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<div>  
<id>p154r\_4</id>  
<head><m>Iron</m> scales</head>

<ab>Once well pulverized &amp; ground on marble &amp; mixed with the above-mentioned sand of <fr>noyau</fr>, and dried slowly without reheating, it endures several casts of lead &amp; tin. Copper &amp; latten come out well. But if it is not well ground, like crocum, it goes to the bottom, if the sand is not wetted thickly enough.</ab>

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<div>  
<id>p154r\_5</id>  
<head><m>Metal filings</m></head>

<ab>They are not made by themselves, if they are not helped with some portion of similar metal, melted for gathering &amp; putting them in a bath, for it is sooner burned than melted. Tin and lead filings are made with tallow, the one of gold with salpeter, the one of silver with sandever.</ab>

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