<page>005r</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f15.image</image>

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<id>p004v\_3</id>

<ab>or <m><pa>linen</pa></m> &amp; leave it thus for xx4 <ms><tmp>hours</tmp></ms> &amp; it will be engraved. But if you should want to engrave quickly, varnish all your work &amp; boil it in the aforesaid liquor, and it will engrave quickly.</ab>

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<id>p005r\_1</id>  
<head><m>Steel</m> mirrors</head>

<ab><figure>+</figure>They are called of <m>steel</m> because in the past they were commonly made of <m>steel</m> polished with <m><fr>potée</fr> of emery</m>. But more easily, various kinds are made of <m><fr>cuivre franc</fr></m>, which is <m>rosette</m>, and <m>tin</m>, because this can be cast in a <tl>mold</tl> &amp; made round, concave, convex &amp; however you like, to produce various forms.</ab>

<ab>So take <ms>half</ms> of <m>rosette copper</m> &amp; <ms>half</ms> of <m>soft tin</m>, that is to say fine, which has not yet been used. Put them in a <tl>crucible</tl>, &amp; first melt the <m>copper</m> well. And once it is well melted, put in the <m>tin</m> and mix together. Then cast in the <tl>mold, of <m>white stone</m> with no eyelets</tl>, &amp; grease the <tl>mold</tl> with <m>oil</m>, &amp; let the <sup><tl>mold</tl></sup> be moderately warm. Then, having <tl>molded</tl> your mirror, you can polish it in this manner.</ab>

<ab>Set one of these in <m>plaster</m> in order that it holds firmly, &amp; then put the other one over it with <m>thin sand</m> in between, &amp; rub one against the other, whether hollow or flat, &amp; thus you will polish two at once. And if you want to polish them on both sides, you only need to switch them, which means putting the one that was polishing into the <m>plaster</m> &amp; using the one that was in the <m>plaster</m> to polish. After having polished them with the <tl><m><fr>arene</fr></m></tl> you can soften them with <tl><m>tripoli of <pl>Venice</pl></m></tl>, which should not be sandy, &amp; after with <tl><m><fr>potée</fr></m></tl>. You polish with <tl><m><fr>arene</fr></m></tl> using <m>water</m>, but polishing with <tl><m>tripoli</m></tl> &amp; <tl><m><fr>potée</fr></m></tl> is done dry. Once polished, you can set it.</ab>

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<id>p005r\_2</id>  
<head>Concave mirrors</head>

<ab>The concave mirror composed in the aforesaid form produces an endless number of illusions which seem magic. If someone wants to see oneself from behind, it is necessary to place the <tl>concave mirror</tl> on the ground on its foot, &amp; let it be at a slant; after, <sn><add>look</add></sn> at it one <ms>step</ms> away. But if you <sn>look</sn> at it closer up, it will show you the right way up but with your <bp>face</bp> quite large &amp; the <sn>hairs of your beard</sn> as thick as</ab>

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