<page>043v</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f92.image</image>

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<id>p043v\_1</id>

<head><m>Varied and transmuted wine</m></head>

<ab>Grate <m><pa>brazilwood</pa></m> very finely, put it to soak one or two <ms><tmp>hours</tmp></ms> in <m>clear water</m>, then take this <m>tinted water</m> &amp; add to it some <m>clear water</m> &amp; you will make <del><fr>e</fr></del> <m>wine</m> as clear as you like. If you please, put a <ms>drop</ms> of <m>lemon or orange juice</m> in it &amp; it will immediately turn white. It can be drunk without danger.

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<id>p043v\_2</id>

<head><m>Pearls</m></head>

<ab>It is said that <m>pulverised talc</m> blown into a <tl>lamp</tl> renders them thus.

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<id>p043v\_3</id>

<head><pro>Arquebusier</pro></head>

<ab>For shooting your arquebus precisely, it is necessary that the end of the breech be &amp; come precisely on the edge of the touch-hole, because in this manner the <m>powder</m> catches &amp; burns all at once without blowing &amp; has more force &amp; does not push back. On the contrary, if the breech is made hollow, as they commonly are, the <m>powder</m> catches sooner in this place, makes it push back, and blows, which a chambered arquebus clearly shows, because it pushes back more than another. And since the barrel is bigger at the breech than at the muzzle the sights are also uneven, for that at the breech is higher than that at the muzzle. And then, the thickness of the barrel is greater than the caliber by about one line, and the sight by another. It would therefore be necessary to either make the cannon all of one size or to raise the barrel from the end &amp; towards the muzzle, &amp; push it in and lower towards the breech. The weight of the <m>powder</m> must be one third of the <x>weight of the</x> bullet.

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<id>p043v\_4</id>

<head>Hail shot for the arquebus</head>

<ab>If you want that it stays together put a piece of <m>felt</m> or <m>leather</m> or <m>paper</m> on it, depending on the distance, and let the piece be made with a form precisely cut depending on the caliber of the arquebus.

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