

der in som yron panne, or other thyng, amonge the coales, so that it may burne wel, than put to it a good handfull of tallowe, spyring it with some yron, in such wise, that all the tallowe may be burned with the sayed powder, leaupnge it so on the fyre yet halfe an houre. Than take it out and bzap it, and burne it agayne, spinklyng, and bzapinge it often tymes as you byd the other, vntill it be very fyne and small, and than shall it be perfyte, and will serue for many foundrynges or meltynge.

The syxte earth.

**T**he Cettle bones, and burne them in the fyre, vntill they be very white, and vse them in all thynges as you byd the wutton bones, and than kepe it as afoze. Finally, there is also earth made of the ashes of Wynts, of strawe, of burnyd paper, of horse dunge, dried and burned, of byrke stamped, of Boale, or of red earth, or other lyke thynges that remaine in the fyre wythout meltynge, wherein men pynce verie well all maner of metall, the whiche also neyther byrke, cleare in sonder, nor chappe, as is afoze sayed.

✧ A goodlyc vwaye and maner howe to make all these earthes verie fyne, and small, and almoste impalpable.

**T**he whiche of thesefoze sayed earthes you wyll, or anye other, and after you haue well stamped it, and spsted it, dzye it in a Kettle by the fyre, or in a styenge panne, or other vessell, vntill it be verie whoate: than take it frome the fyre, and stamp it well, as befoze, wyth water or Wynayger, heate it agayne, and bzap it spille wyth water, or Wynayger, and neuer dzye: doynge so fyue or syre tymes. Finallye you shall put it in a vessell of whyte earth, well leaded, and pouze into it as muche cleare water as wyll surmounte it foure syngars hygh: than spze it with a litle cleare byrke,

byrke, and lette it rest the space of an Aue Maria. Afterwarde poure the sayed water synelpe and wysely into some other vessell that is cleane: And vpon the sayed earth that remaineth in the fyre vessell, you shall pouze other water, and spze it as befoze: than pouze the same wyth the other fyre pouzed out, and thus do so often, vntill that wyth the water, you haue pouzed out all the fynest and smallest parte of the same earth. And if there remaine yet in the fyre vessell any parte of grosse earth, bzap it a newe, and than put it with the other. This doen, you shall let all the same fyne and small earth, which you pouzed into the other vessell, go downe to the bottome: and than pouze out fayer and softely the water, and let the powder dzye that remaineth in the bottome, the whiche afterwarde you shall bzap wel once agayne, and passe it thozow a fyne sieue, or sarce of silke, if you thynke good, and you shall haue a powder, suche as there is not the lyke, whycbe you muste keepe, as the other befoze, in leather bagges, or in boxes of wyppewell stopped, pallynge or glewpryng the sydes, so the intent is that the powder shye not a waue, so it is a substance almoste as fyne and as subtyle as the ayze.

✧ To make a vwater called Magistra, vwhere vwith the sayed earthes to make mouldes is tempered, and moysted agayne at euery castynge and foundynge.

**T**he cause that the sayed earth be faste and fyne, and that beyng fashioned and dzye, it may holde together, and not fall agayne into powder, you muste make thys water, whycbe is called La Magistra, whycbe is a word, not knowne frome whence it is deducted, as the Philosophers haue forged and geuen names to certayne waters, accordynge to the effie that they serue for, as they haue doen of thys water. And it seemeth that they meante by this, the same thyng that we vnderstande by the meane or waue, or suche a thyng, that is a meane or waue to keepe together or to diuise, or to do some lyke thyng: thus it is made.

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