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Edoardo Mori  
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Giovanni Fontana

## Bellicorum instrumentorum liber

Venezia 1420 - 1430

Manoscritto della Bayerische Staatsbibliothek

Giovanni Fontana (Padova 1395 - 1454 circa) è stato uno scienziato, **medico** e umanista italiano vissuto nella Repubblica di Venezia, a Udine.

Giovanni Fontana fu una personalità tipica del suo tempo, il primo Rinascimento, fatto di sperimentazione e ricerca fondate su una profonda riscoperta dei classici greci, latini e arabi – tanto sul fronte umanistico quanto su quello scientifico – e di persone dotate di una grande curiosità e capacità di analisi che spesso però sfociava nella pratica magica o rasentava la superstizione. Per lungo tempo le sue opere (spesso pubblicate sotto falso nome) furono dimenticate o attribuite ad altri. Di fatto fu riscoperto solamente alla fine del settecento.

Il titolo del trattato è un po' fuorviante o almeno non tiene conto dell'ampia gamma di tecnologie incluse nelle 70 pagine (con circa 140 illustrazioni). In questo libro sono state raffigurate, tra gli altri, macchine d'assedio, fontane e pompe, macchine di sollevamento e trasporto, torri difensive, draghe, serrature a combinazione, arieti, animali con propulsione a razzo, la prima rappresentazione in assoluto di una lanterna magica, scale a pioli, strumenti di misurazione, forni alchemici e... diversi automi robotici. Fontana aveva proposto delle macchine razzo per uccidere, all'avanguardia del primo Rinascimento. Il dispositivo a propulsione a razzo è stato testato da Richard Windley e funziona. Le applicazioni dei razzi sono notevoli: un'illustrazione mostra quelle che sembrano bombe sparate da un'enorme bombarda piazzata all'ingresso di un castello. I suoi bersagli sono navi su un fiume. Altri razzi hanno la forma di uccelli, lepri e pesci artificiali riempiti di materiali incendiari e sono mostrati mentre volano corrono o nuotano. C'è pure la chiara illustrazione di una carrozza su ruote spinta da un razzo.

Quasi ogni figura è accompagnata da un breve testo. La prima frase è solitamente in latino, con il resto cifrato. Il sistema di cifratura è alquanto semplice, ma il copista ha necessariamente commesso una gran quantità di errori nel ricopiarlo segno per segno

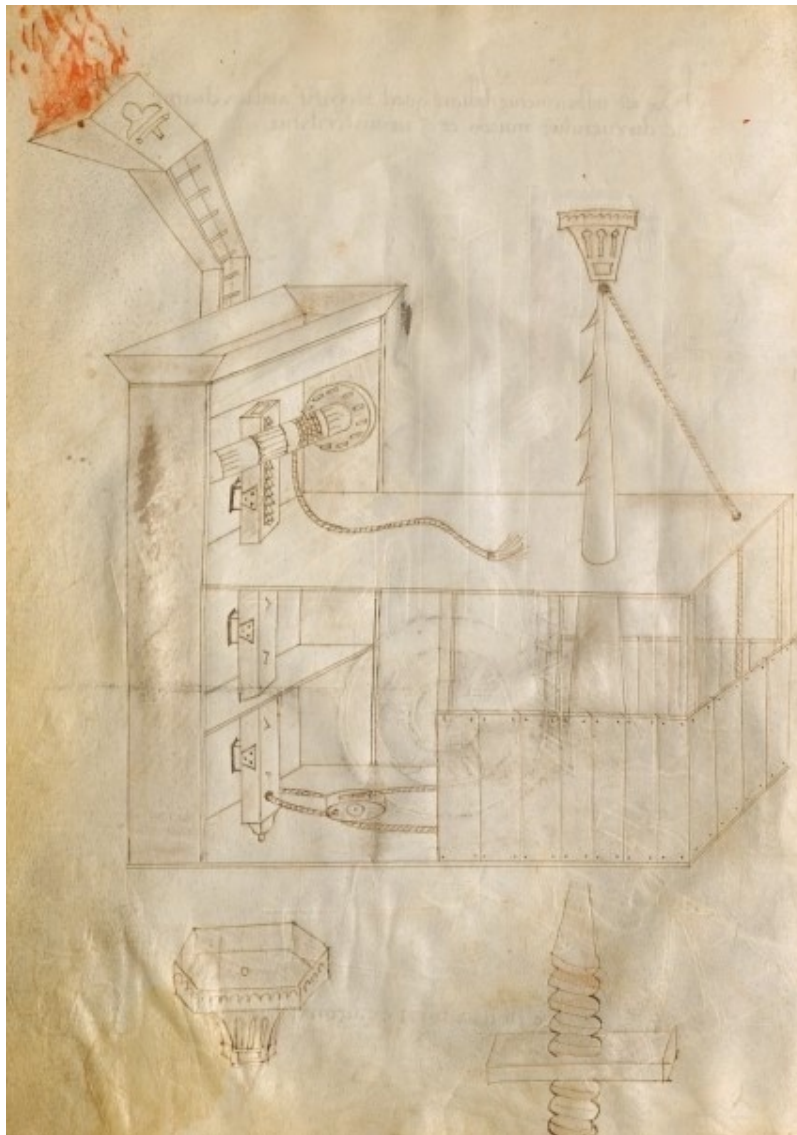
a	e	i	o	u	b	c	d	f	g	h	k	l	m
⊖○	○	○	♀	♂	♂	♂	♂	♀	♀	♂	♂	♀	♂
A	E	I	O	U	n	p	q	r	s	t	x	y	z
♂	♂	e	♀	♂	♂	♀	♂	♂	∞	♂	♂	♂	

Questa riproduzione è stata elaborata sulle pagine del manoscritto di Monaco, molto poco leggibile perché i disegni, con linee sottili, mal si distinguono dal colore grigiastro delle pagine, molto deteriorate dal tempo. Con un po' di elaborazione grafica ho ottenuto un sufficiente contrasto anche se la pagina è diventata gialla.

Bolzano 25 gennaio 2023

Edoardo Mori

Questo è l'aspetto originale di pagina 9







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Ad. iconog.  
242.

= Cim. 135



EXELECTORALI BIBLIO-  
THECA SERENISS. VTRIVSQ.  
BAVARIAE DVCVM.



*[Faint, illegible handwritten text in a historical script, possibly a form or list of items.]*

— 0 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

*Bellicorum instrumentorum Liber, cum figuris  
et fidelitjs literis conscriptus.*







Hoc est instrumentum bellicum quod alphasif arabice dicitur  
ad dirruendum muros et sicut describitur.

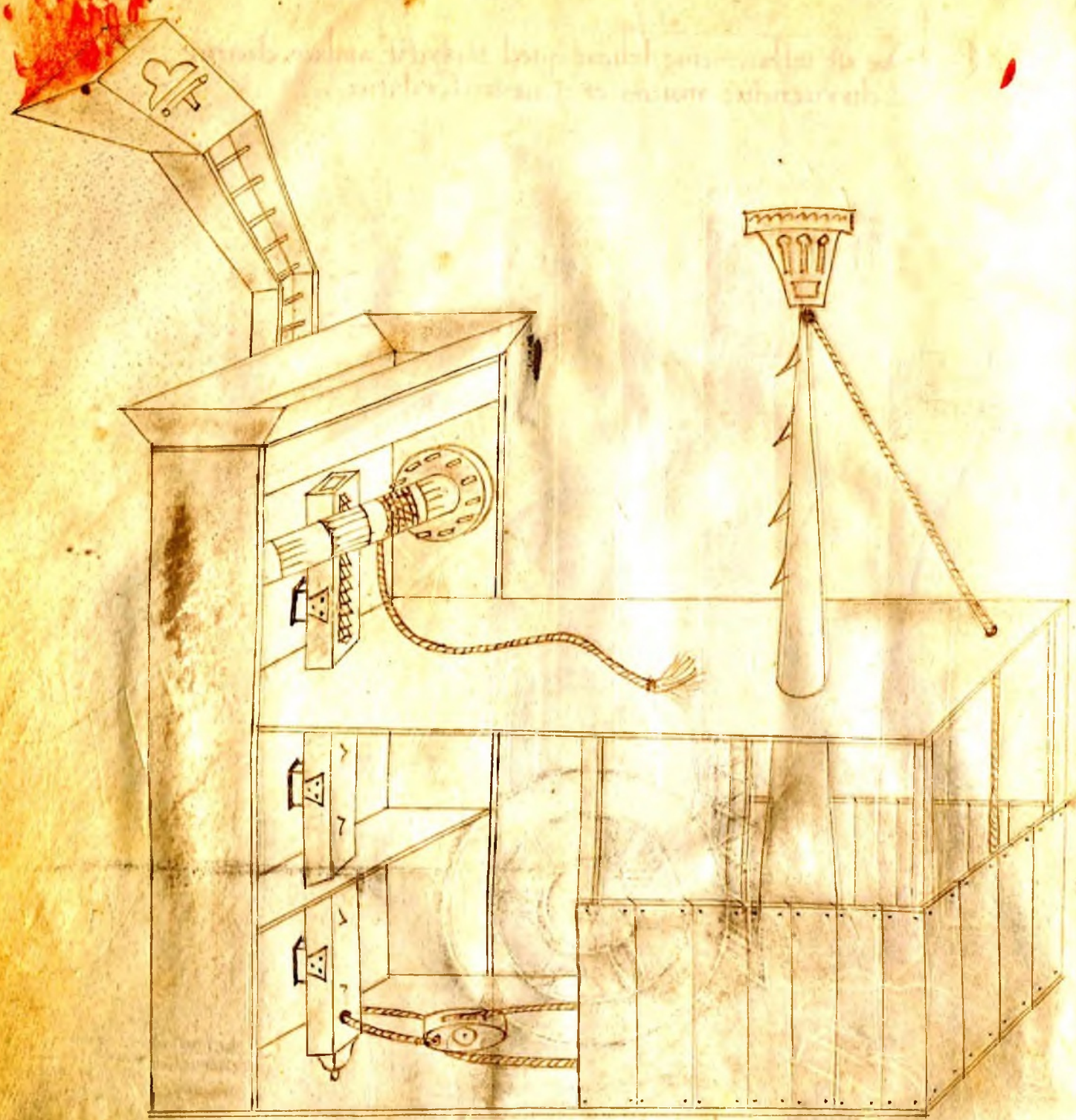


hec sūt iura turris exagonis





*Faint, illegible text, possibly bleed-through from the reverse side of the page.*

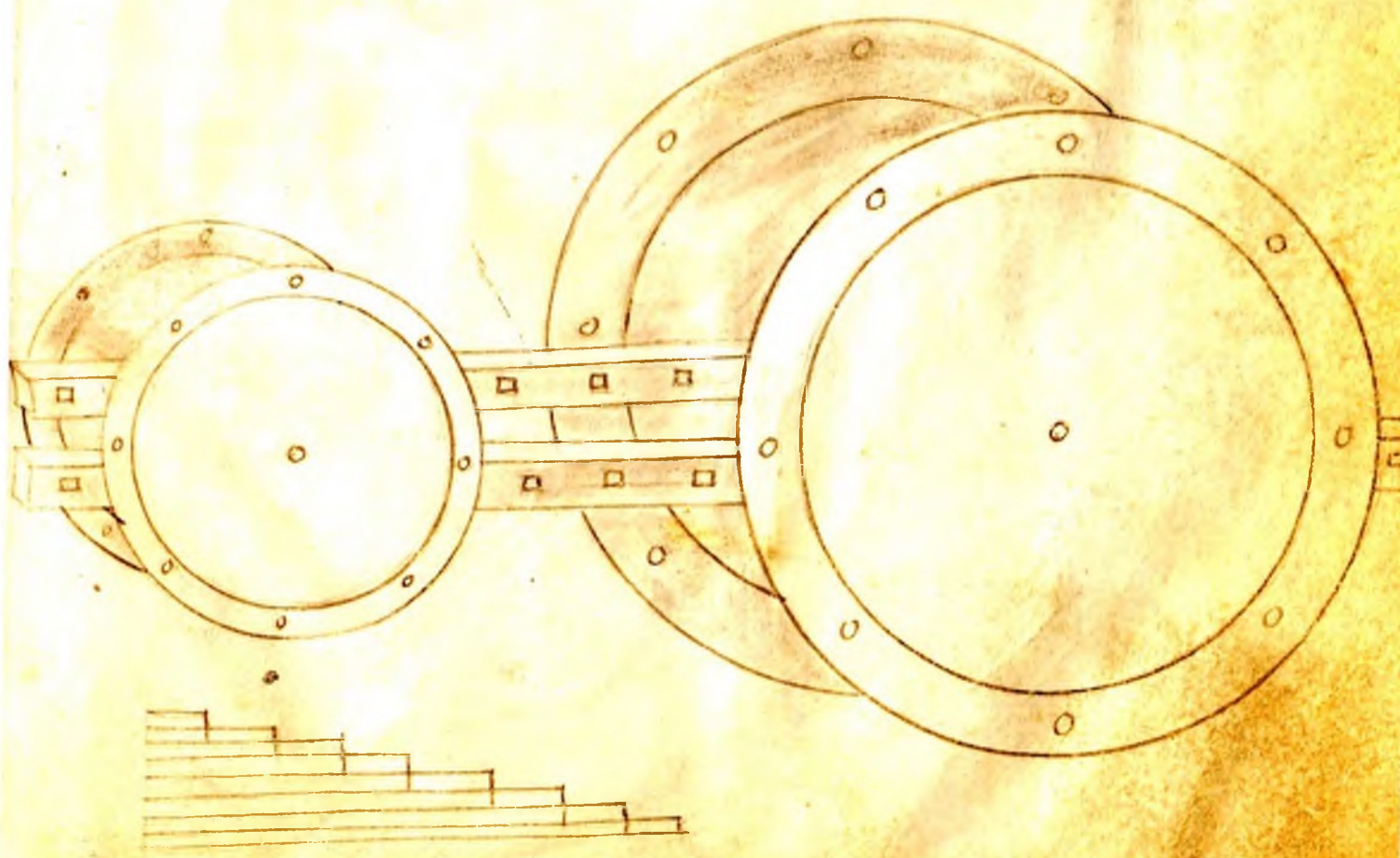




Ignifexuz instrumentuz est artificiosuz hoc nomine dictuz  
 Quasi igne ferens Quod cu semel accenduz hostibus uel he  
 ditibus xplicituz fuerit sua flama omnia cremabit.

Ἰγνιφῆξυζ ἰνστρῦμεντῦζ ἔστ ἀρτιφῖοσυζ ἠὸκ νομῖνε δῖκτῦζ  
 ἠυἰσὶ ἰγνε φῖρεντῖς ἠυὸδ ἄν ἠεμῖλ ἠκενδῦζ ἠοστῖβυζ ἠελ ἠε  
 δῖτῖβυζ ἠϠῖκῖτῦζ φῖερετ ἠῦἠ ἠῖλῠ ἠομῖἠ ἠρεμῠἠῖτ.

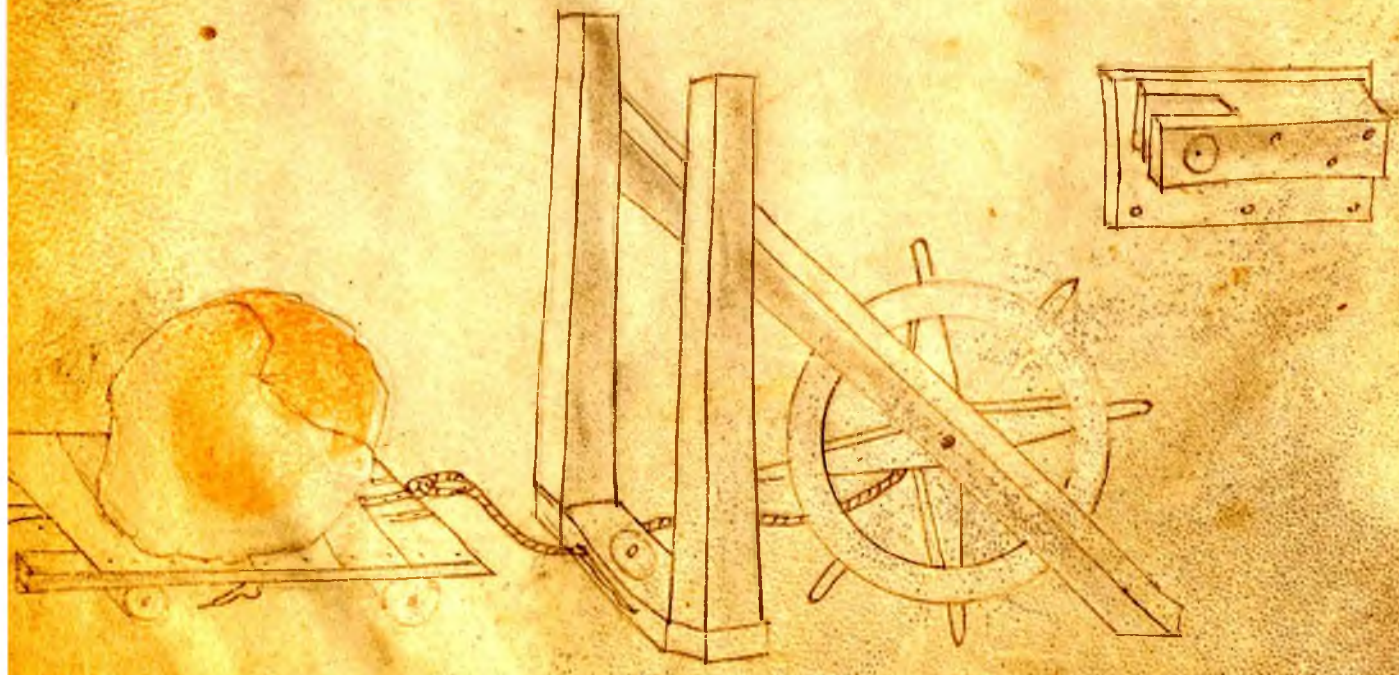
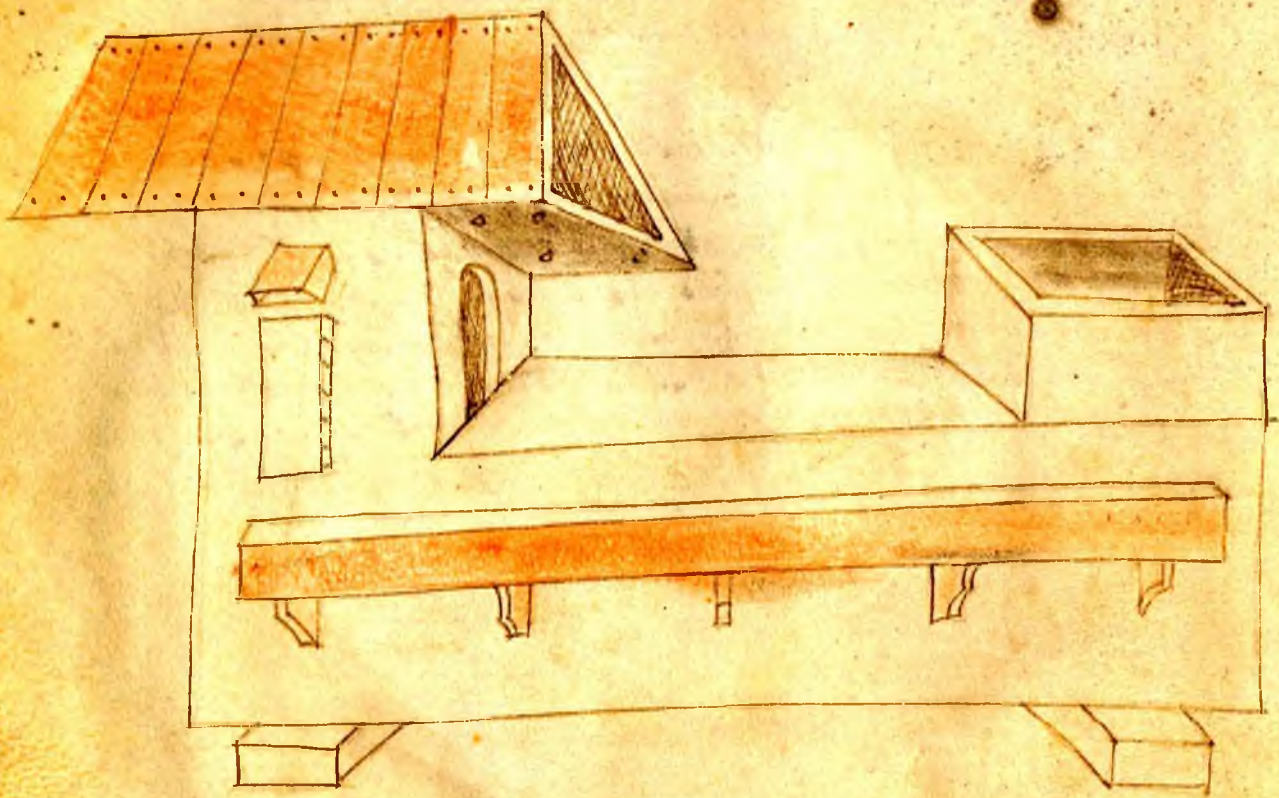
Ἰγνῖφῆξυζ ἰνστρῦμεντῦζ ἔστ ἀρτιφῖοσυζ ἠὸκ νομῖνε δῖκτῦζ  
 ἠυἰσὶ ἰγνε φῖρεντῖς ἠυὸδ ἄν ἠεμῖλ ἠκενδῦζ ἠοστῖβυζ ἠελ ἠε  
 δῖτῖβυζ ἠϠῖκῖτῦζ φῖερετ ἠῦἠ ἠῖλῠ ἠομῖἠ ἠρεμῠἠῖτ.



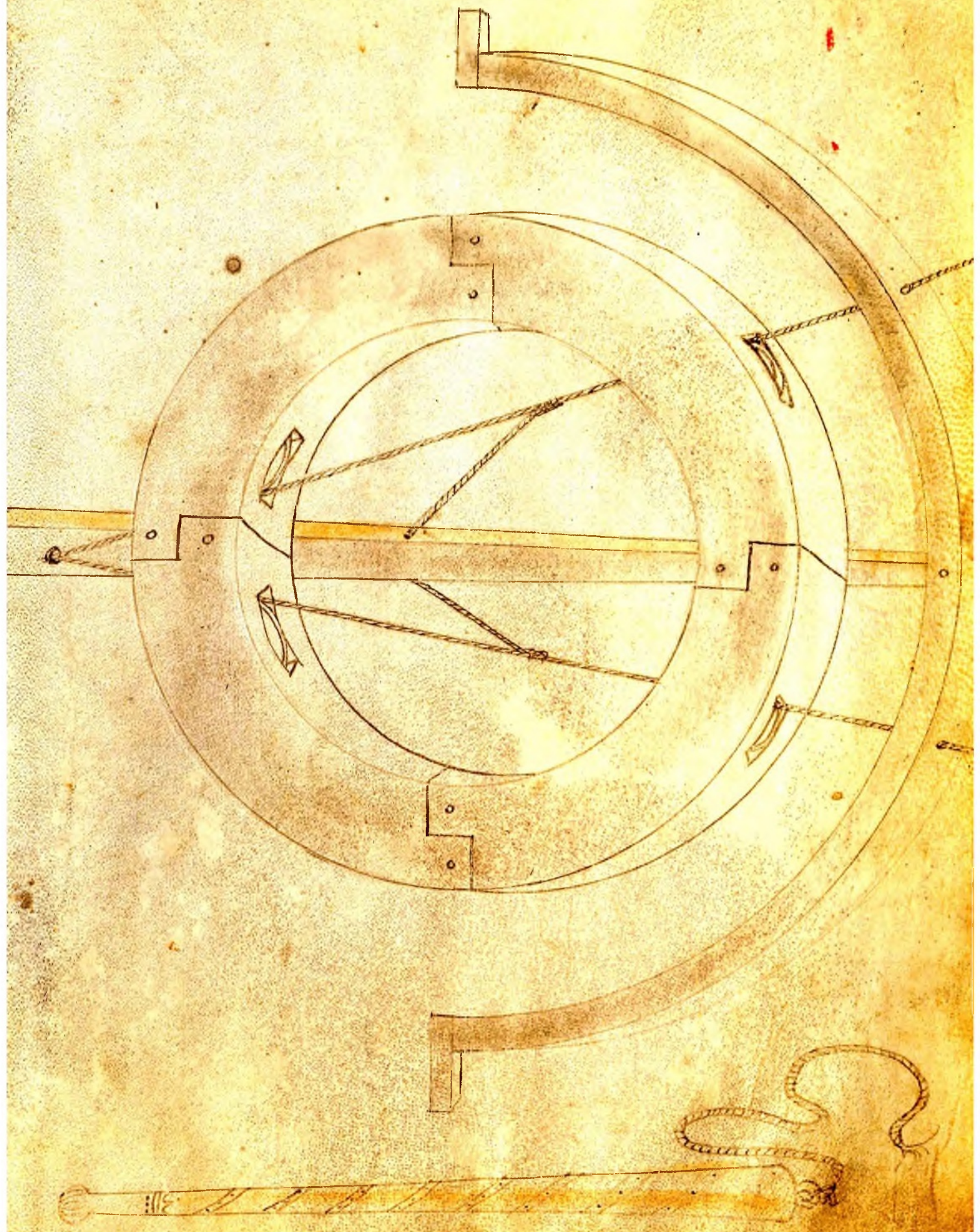


**E** ductorius duplicatis cordis et incubus. trahere la-  
pides aut pondera eleuare facilliter.

Καὶ ἔστιν οὗτος ὁ μηχανισμὸς ὁμοίως ὡς ἡ ἀρχὴ τοῦ  
πυλῶνος ἡ ἀρχὴ τοῦ ἀποκλειστικῆς ἡ ἀρχὴ τοῦ  
βασιλικῆς καὶ ἀρχὴ τοῦ ἀποκλειστικῆς ἡ ἀρχὴ τοῦ  
ἀποκλειστικῆς ἡ ἀρχὴ τοῦ ἀποκλειστικῆς.



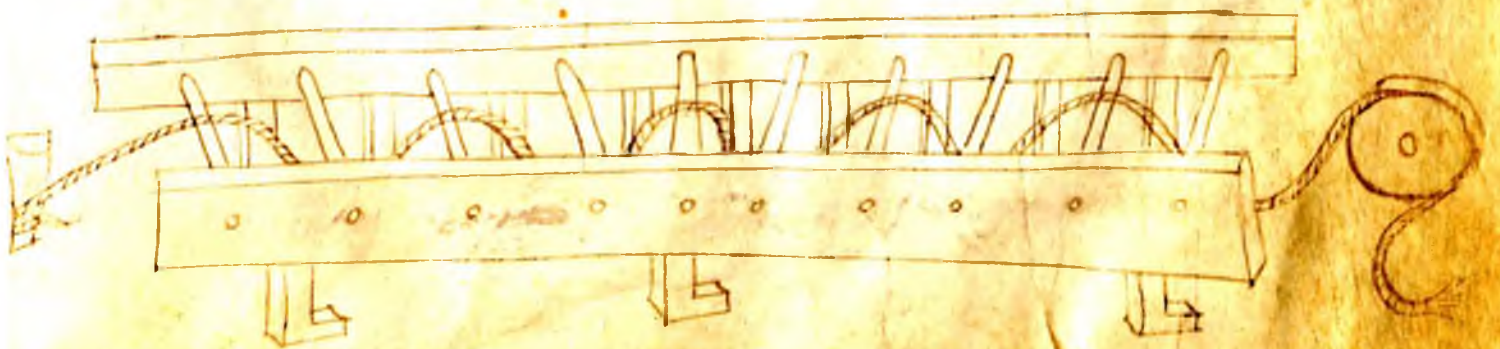
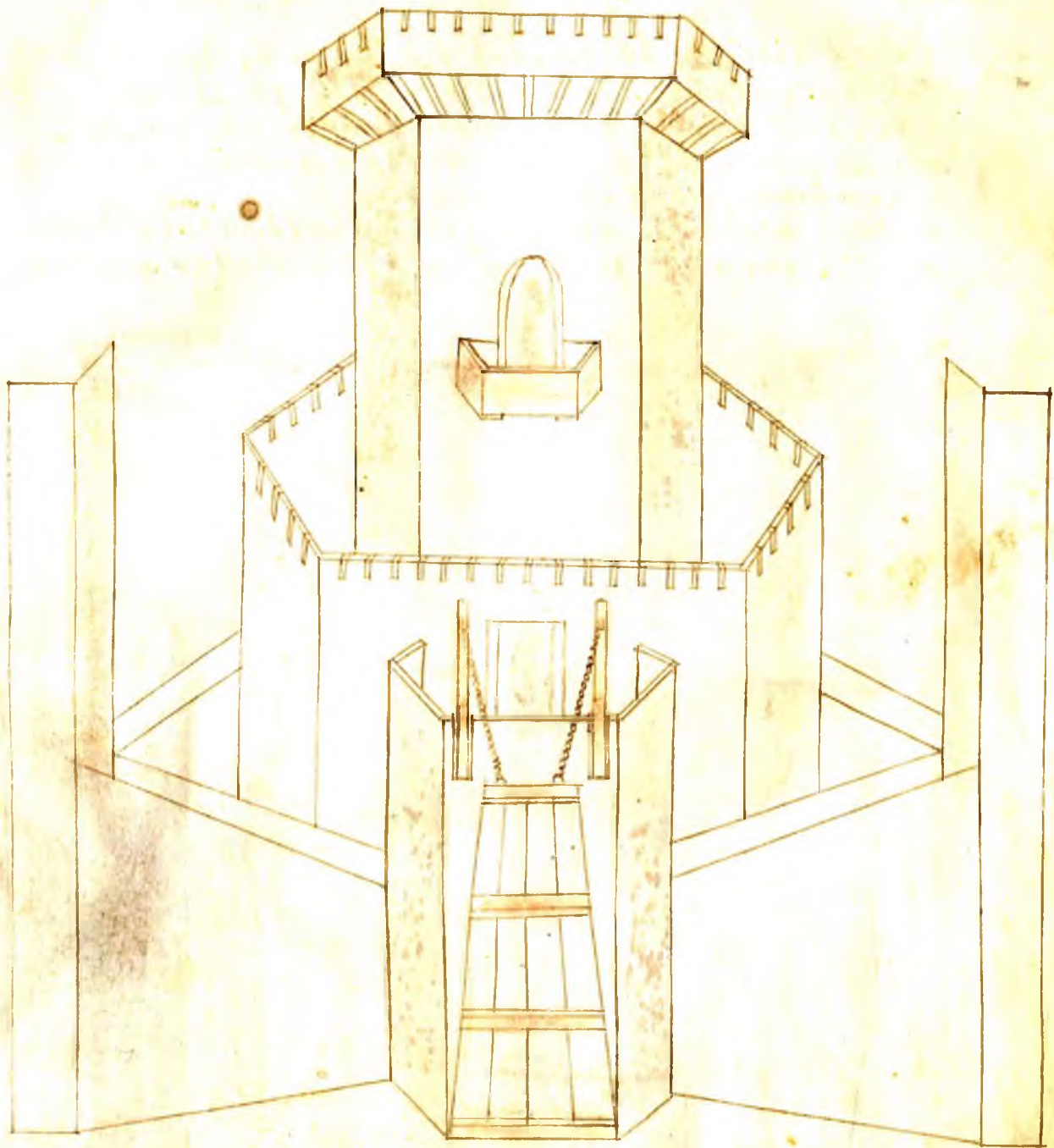












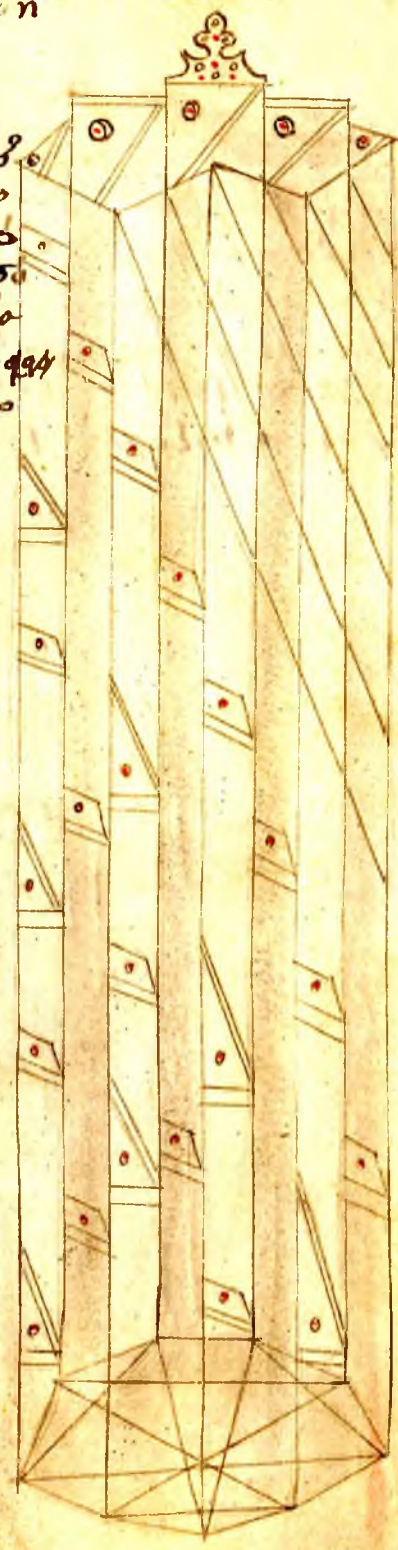






Carcer inlubricus hominem ad a  
lerez mortez ponit quum euitare n  
potest.

Handwritten text in a cursive script, likely a Latin or medieval manuscript. The text is arranged in several lines, starting with a large red initial 'C'. The script is dense and difficult to decipher due to its cursive nature and the age of the document.

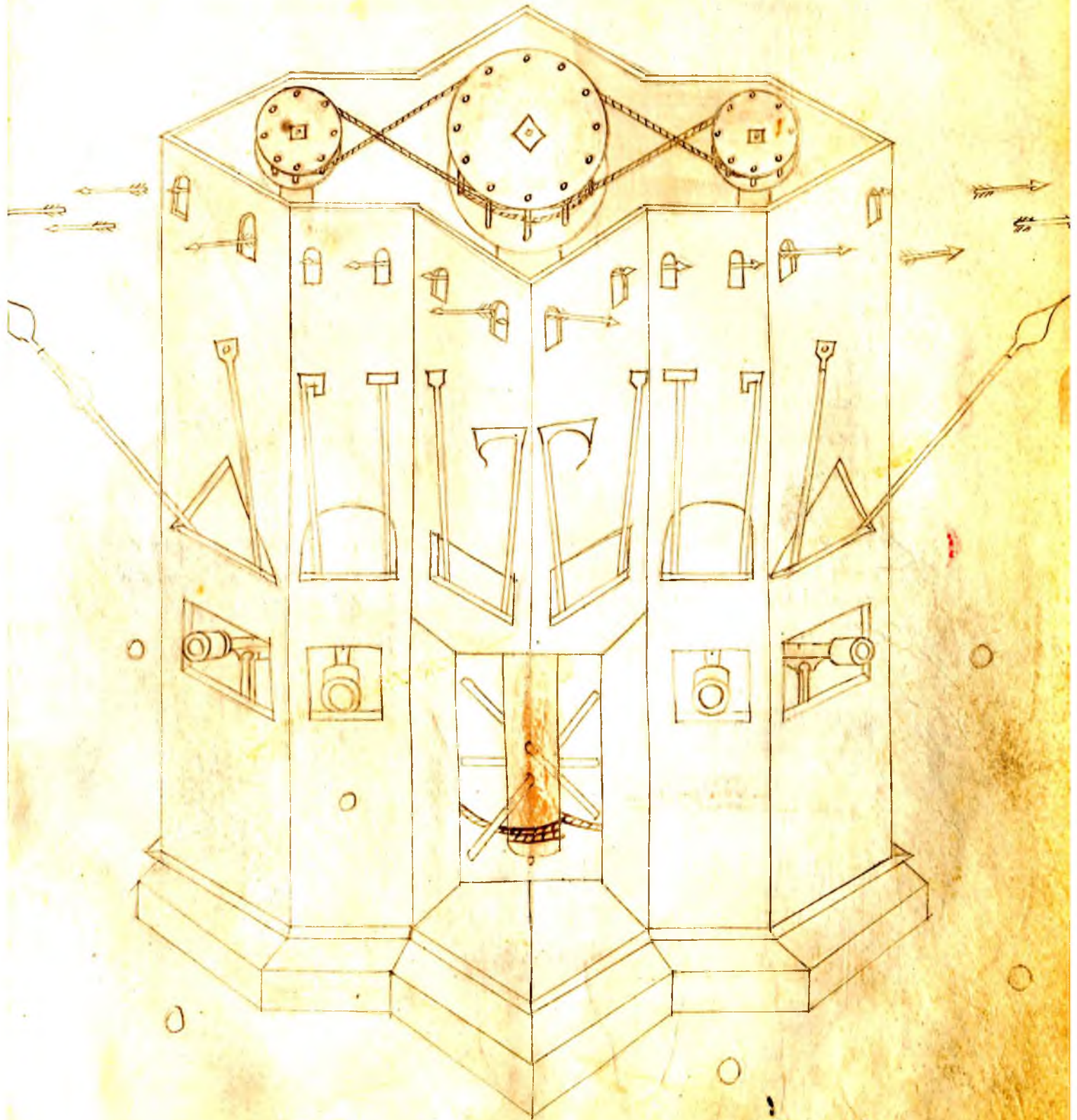




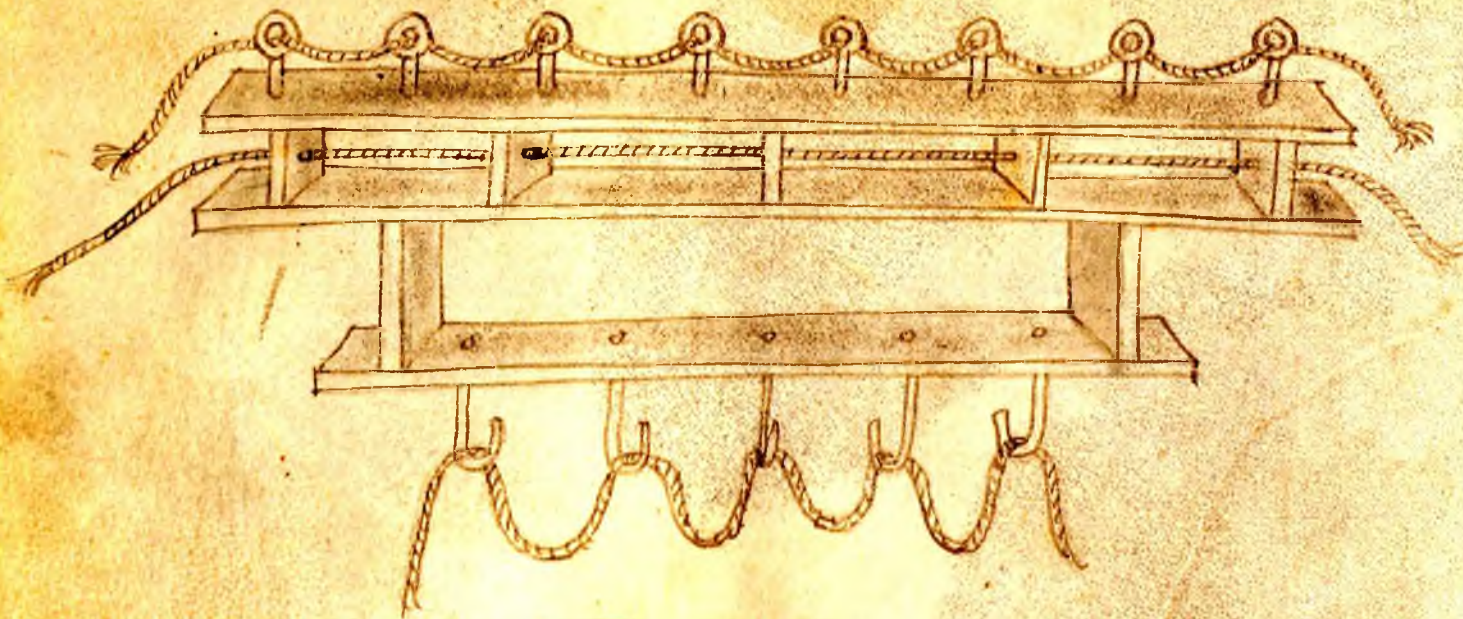




*Non ignoras scio huius rei utilitatem.*



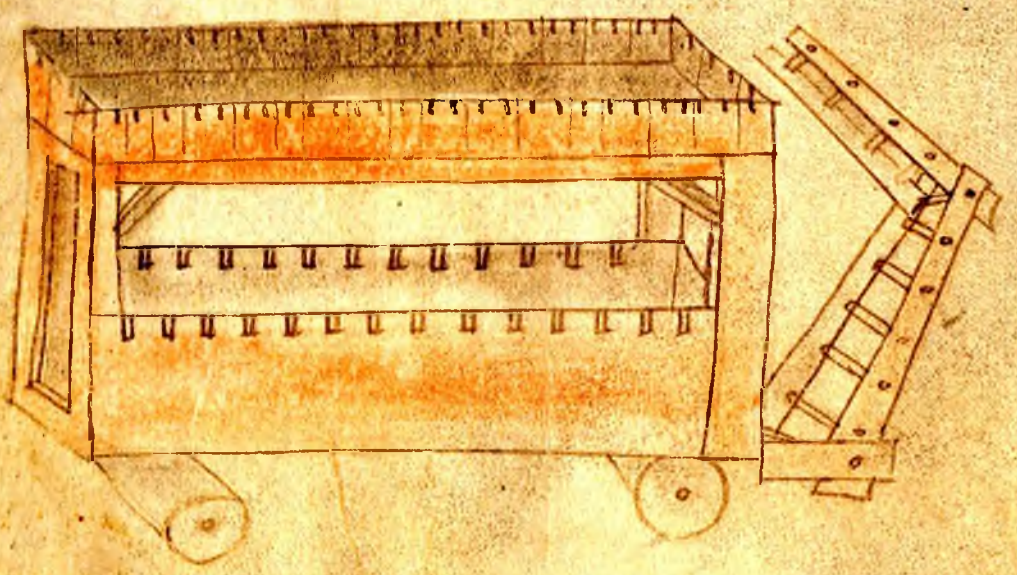




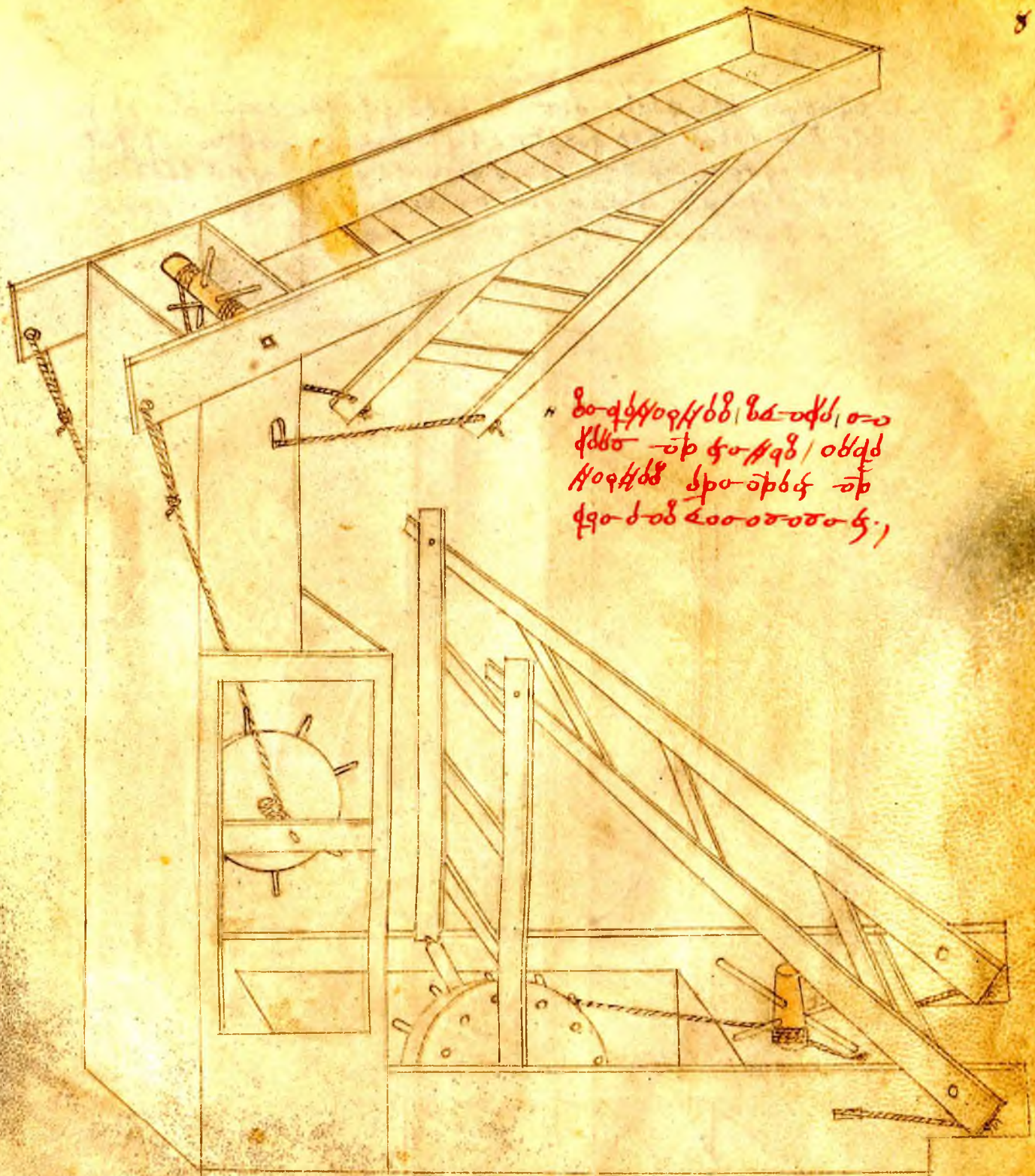
Ordinarium cordarum ex triplici ordine constituitur.  
Et pertinet ad scalfiterum.

Scalfiterum ita dicitur quia scalas ferens multiplices ad ad  
scendendas altitudines maiores et minores eo quod scales  
plus et minus erigi possunt.

870 870 870 870 870 870 870 870 870 870  
 870 870 870 870 870 870 870 870 870 870  
 870 870 870 870 870 870 870 870 870 870





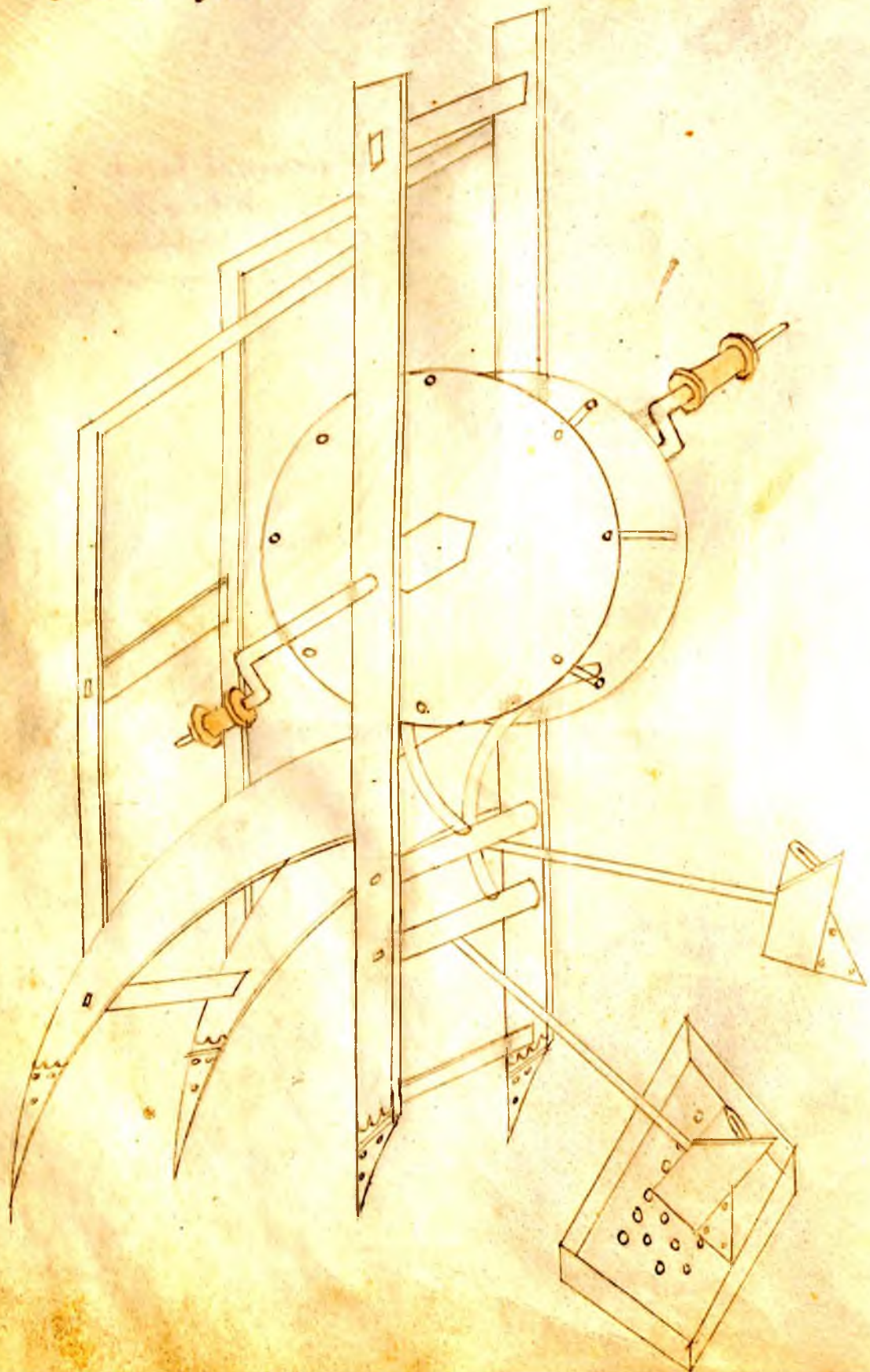


Ծոգնորհրդի նա-սփն, ս-ս  
 քննո-տի ք-ս-հրդ / օնգն  
 Կողմից ծր-տրեց-տր  
 քր-տն ճո-տտ-տտ-հ,





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 x  
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 φφφ φ φ φφφφφφ φδφ φφφφφφ φ φφφφφφ φφφφφφ  
 φφ φφφφφφφ φφφ φφφφφφ φφ φφφφ φφφφφφ φφ  
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Handwritten text in an ancient script, possibly Coptic or Greek, written in brown ink on aged, yellowed parchment. The text is arranged in several lines, starting with a red circular mark on the left. The script is dense and difficult to decipher.













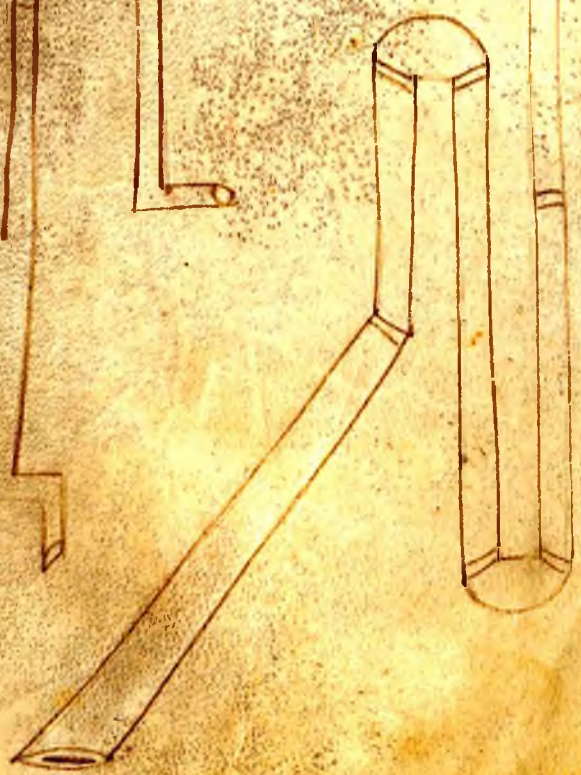


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 400 490 80 8 0 4 0 6 4  
 4 0 8 0 8 0 4 0 8 0 0 .















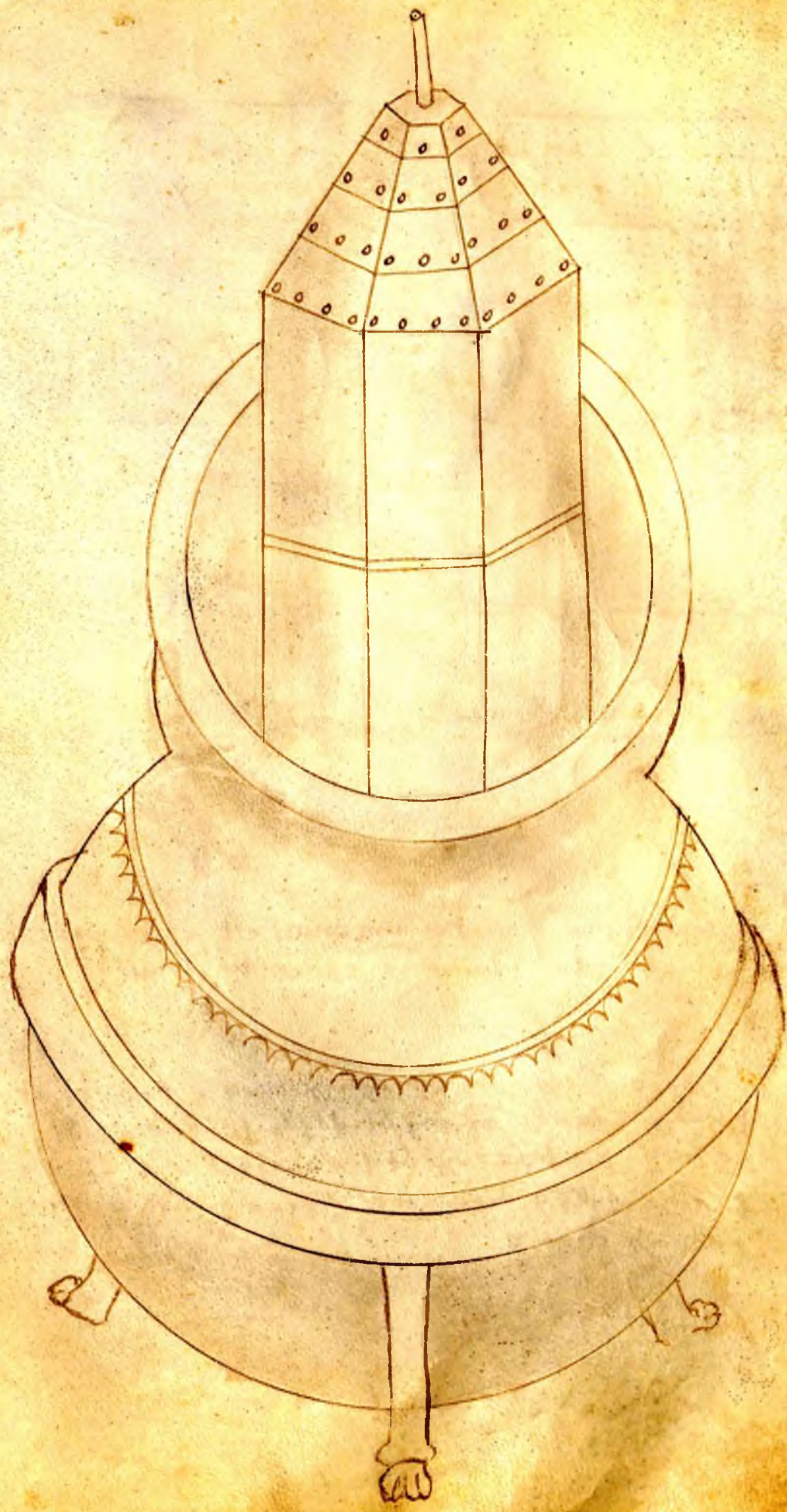




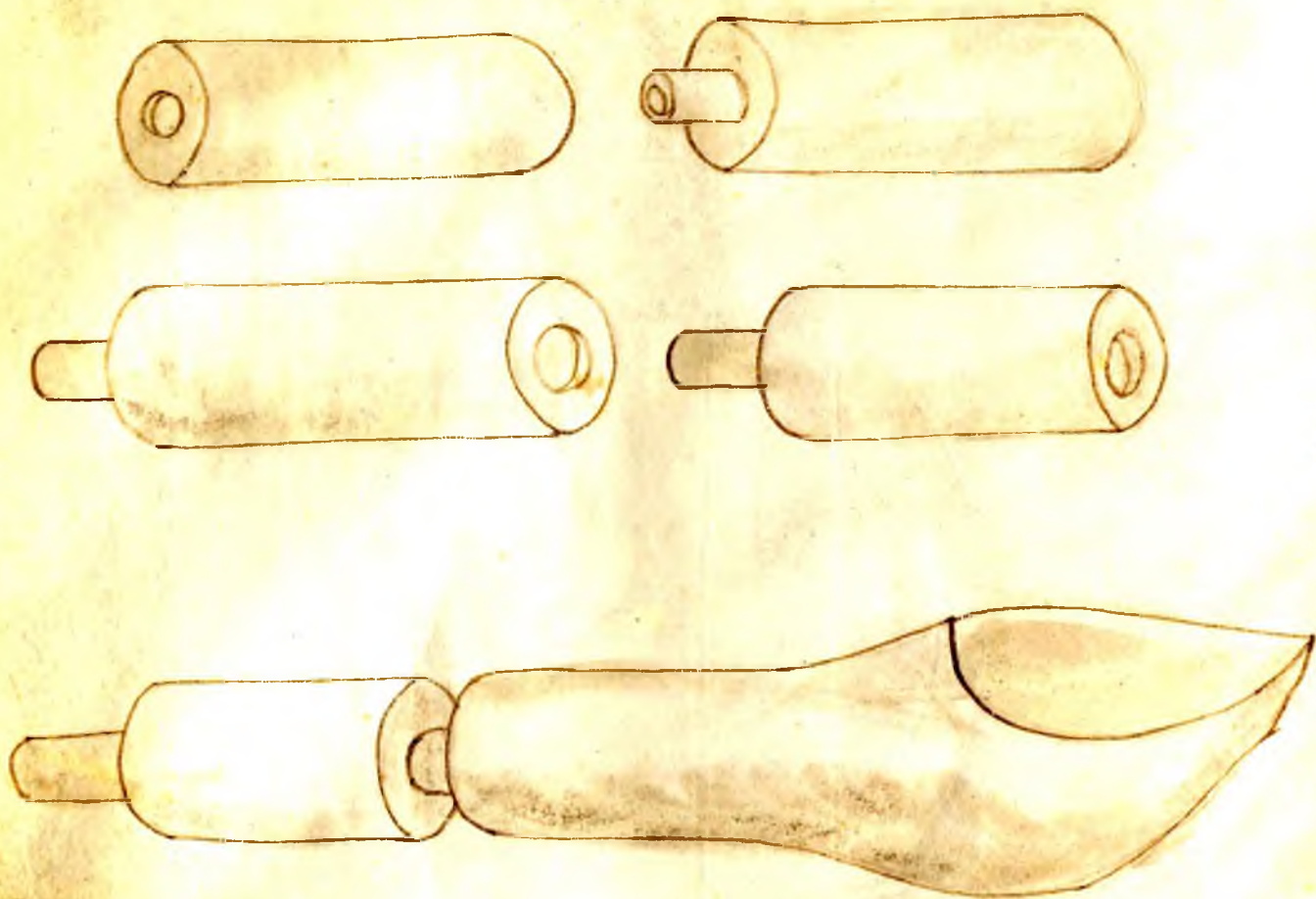
Lucerna ex sua lux cernitur ita fabuli opere potest  
fieri ut paruo cū lumine amplissimas ualeat ae  
ris partes lustrare. Et hoc nūduz inuentū est in  
strumētuz figura pulchrius mensura minus splendo  
re clariū et omī re comodū. Cuius partes intūse  
ce quas uoluisti hic notare sūt et eodē modo appli  
cantur inuicēz sicut que ī lucerna ptolomei.







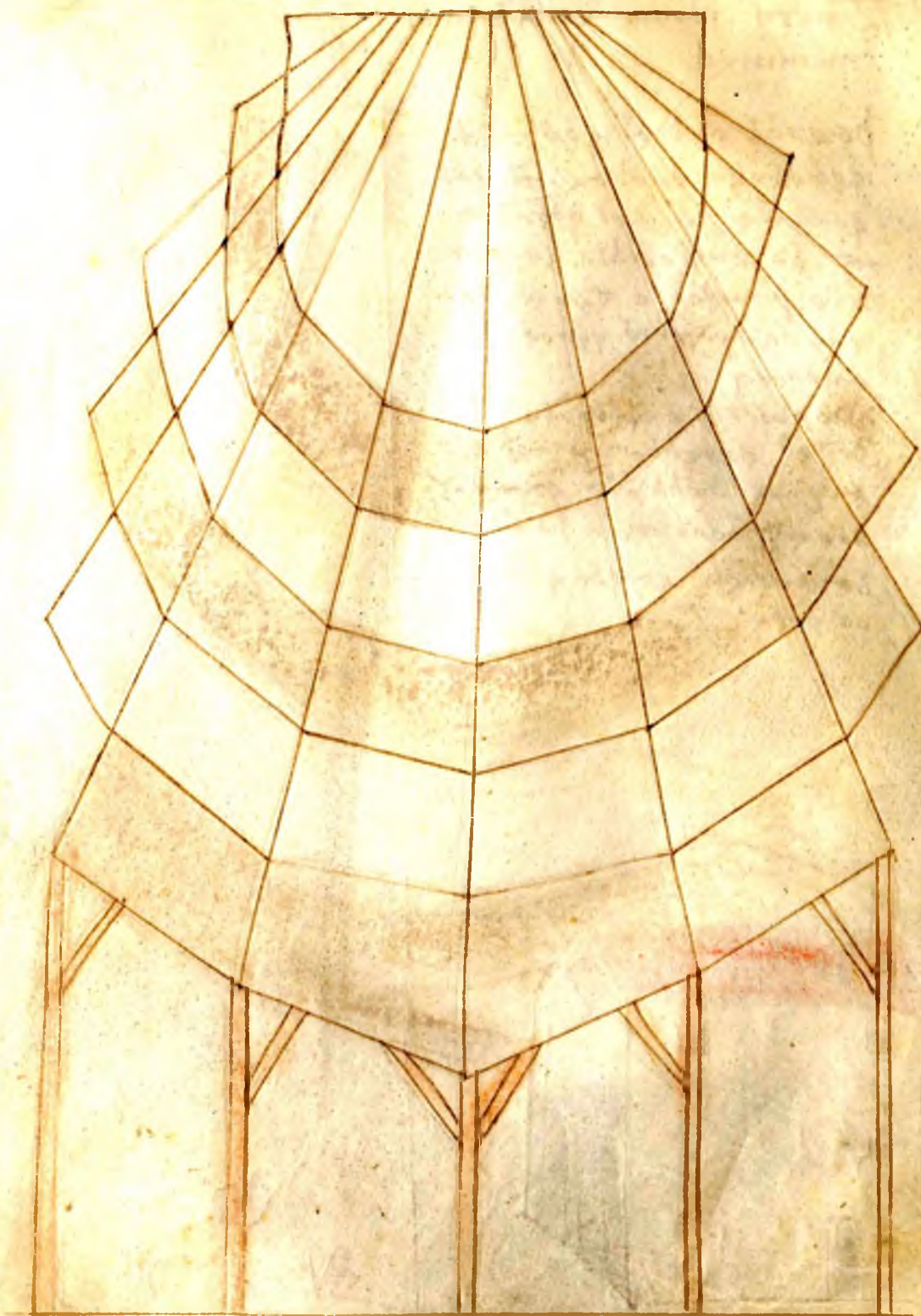




De aquarum ductibus hoc ingenium est et proprie de  
 secuit fontibus fluminis et exalantibus aquis.

\* *[Illegible handwritten text in a cursive script, likely a Latin inscription or note.]*

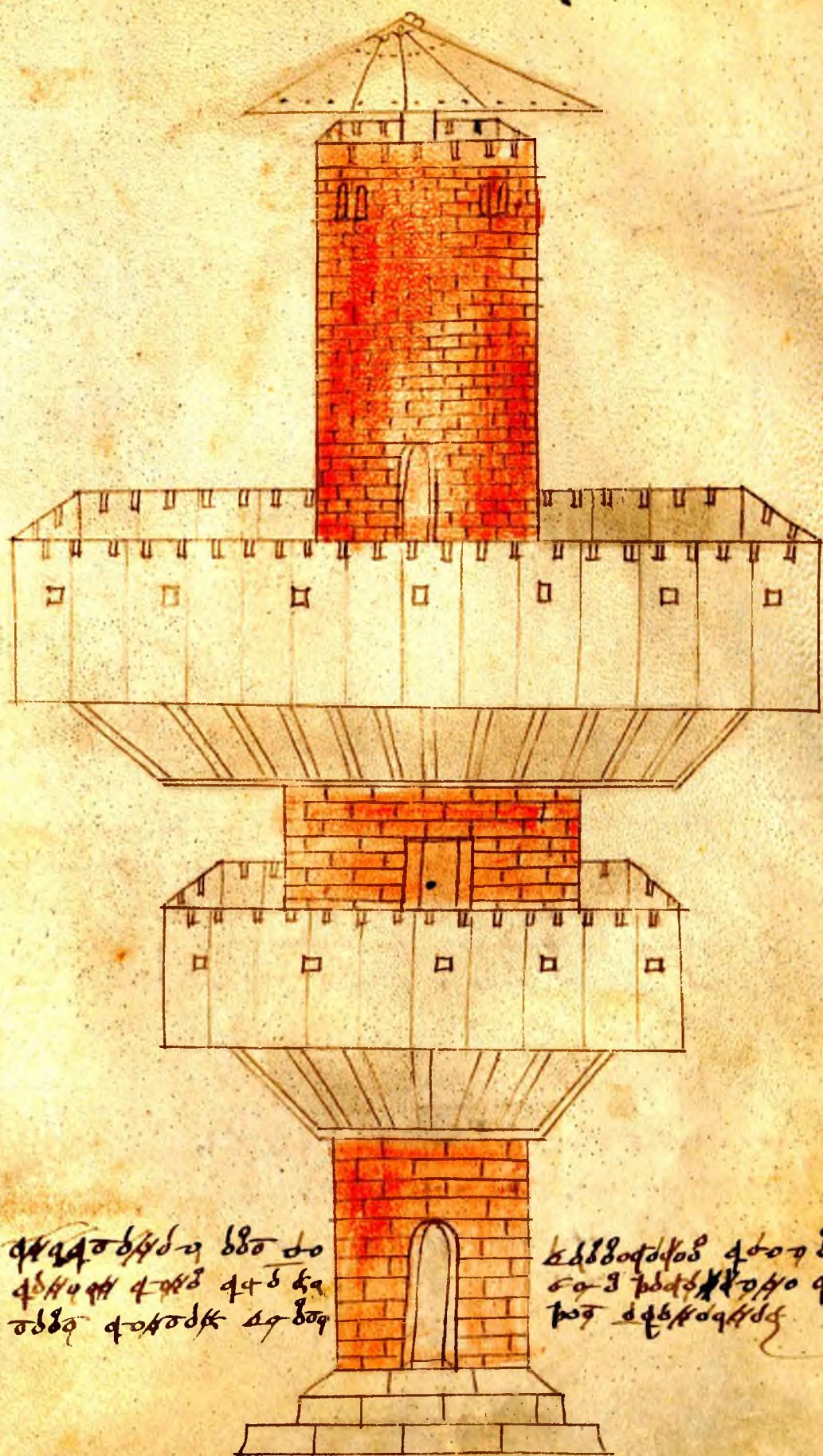












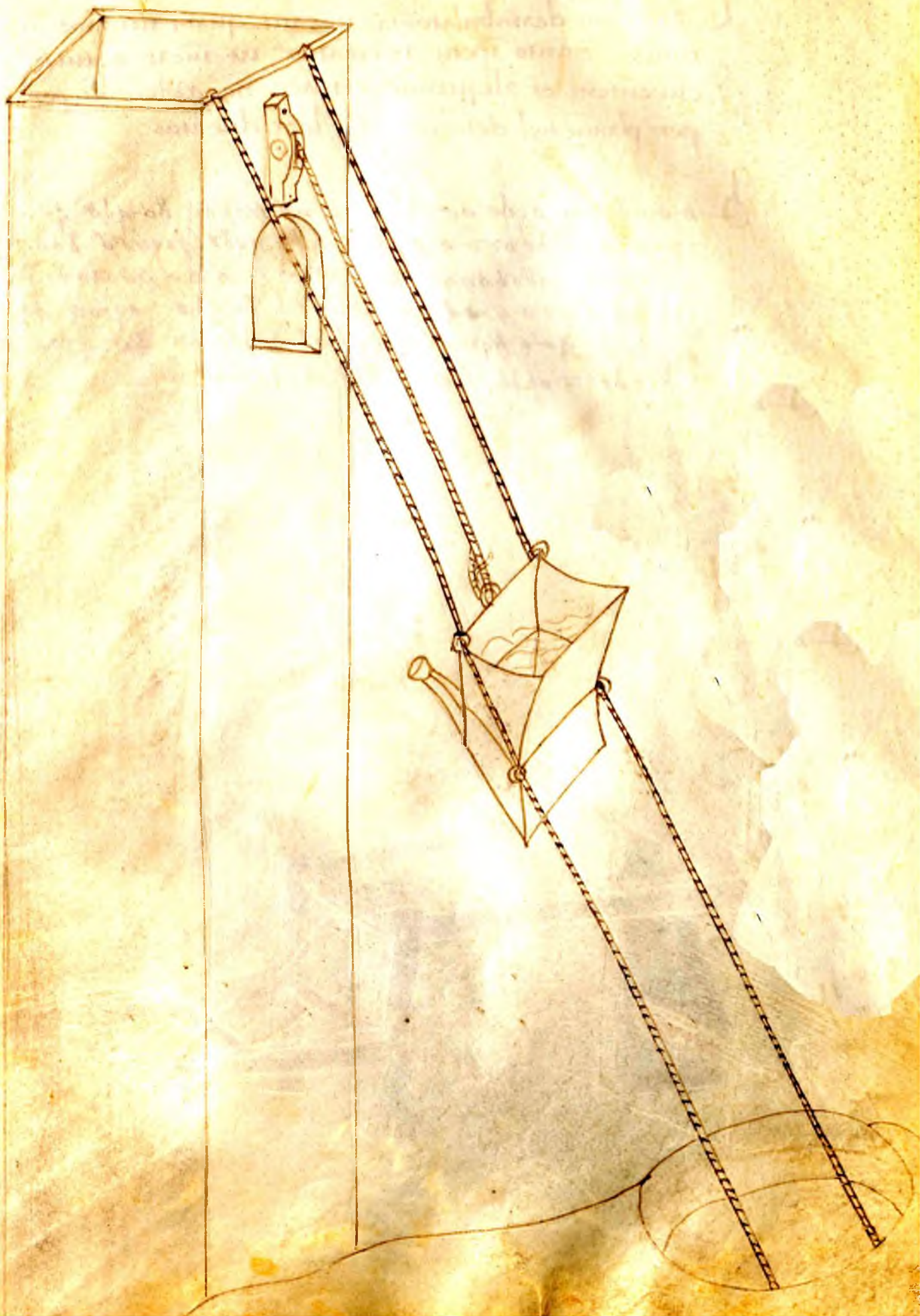
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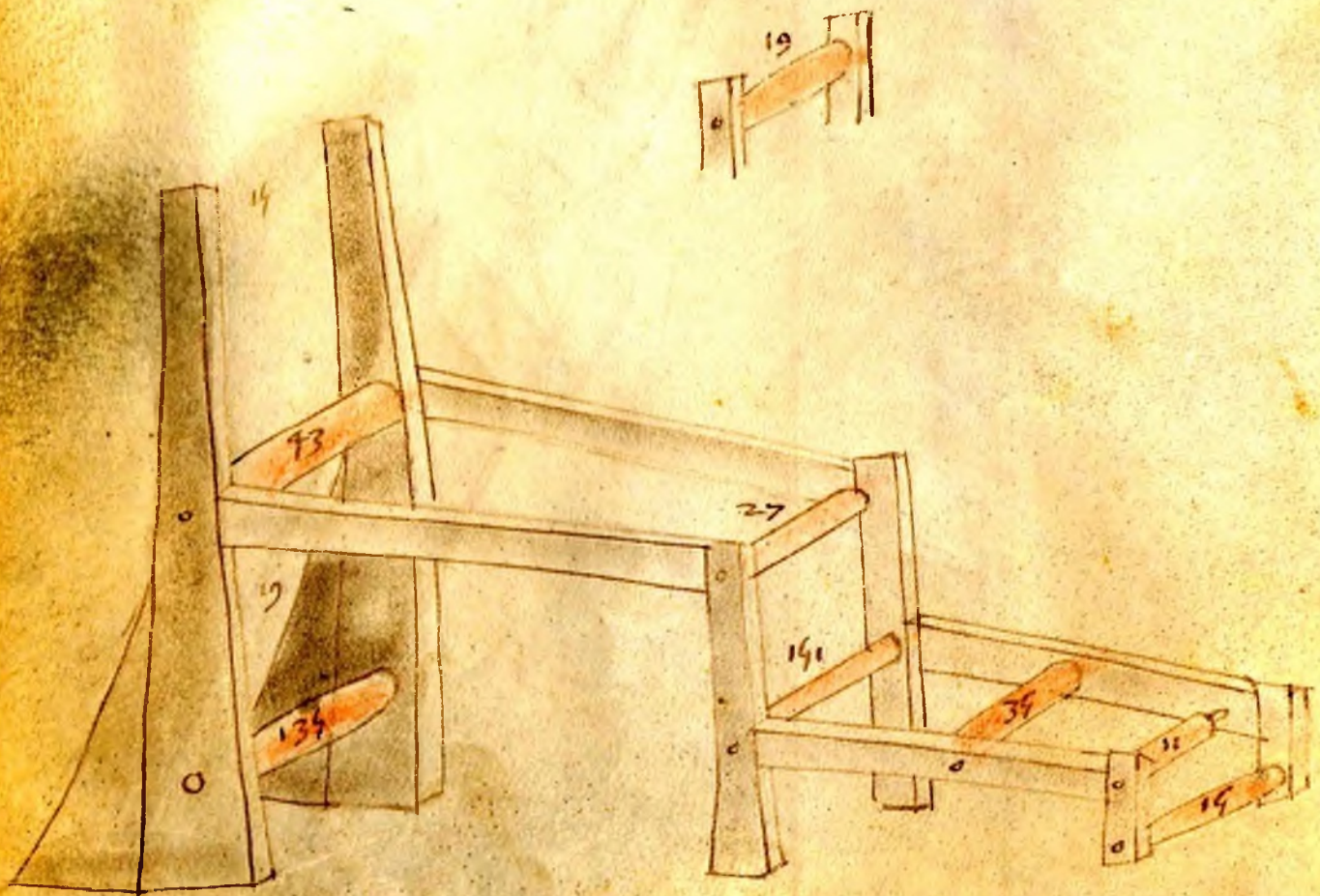




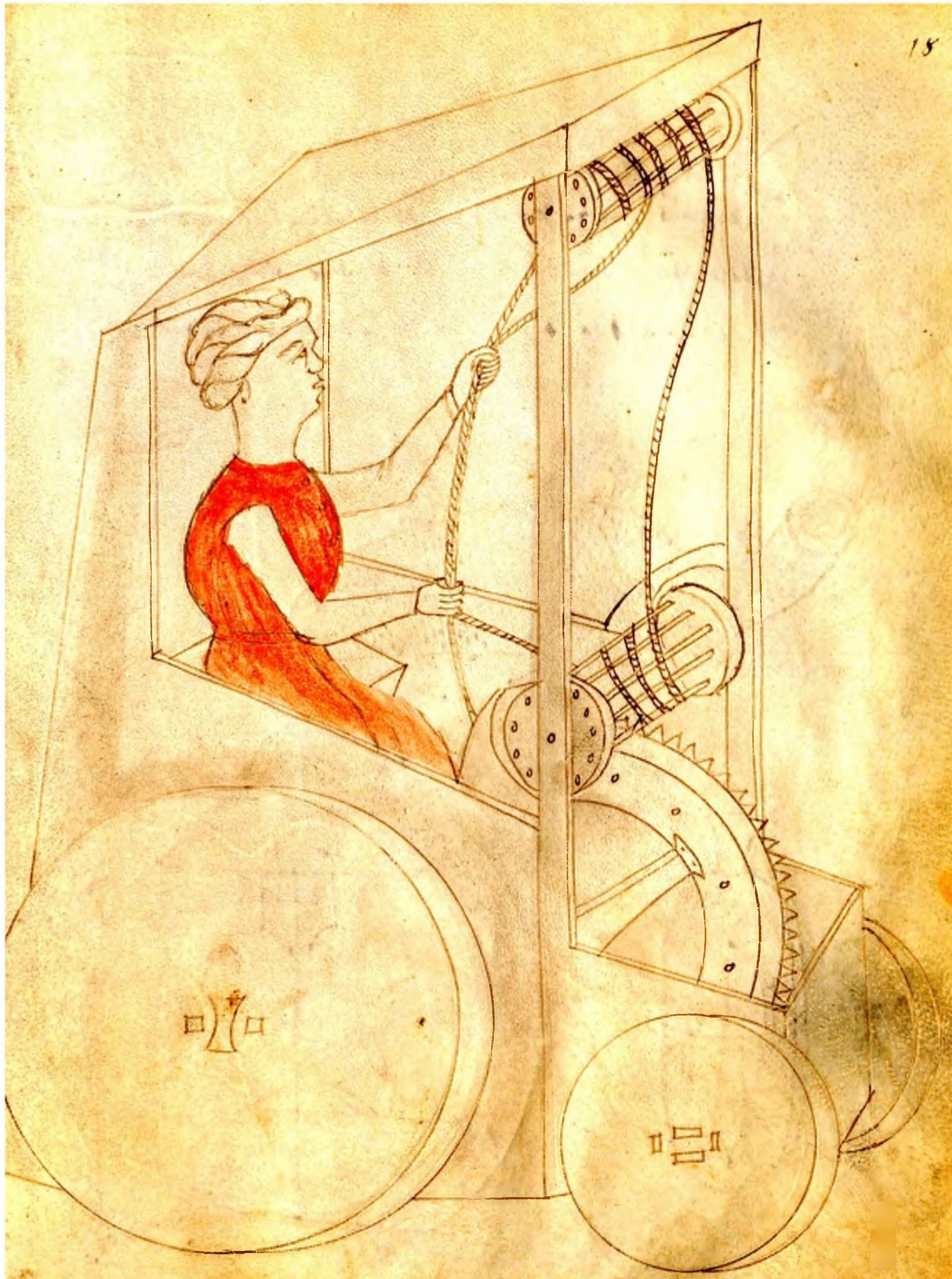


Lateclam deambulatoria uocauit quam tui amore  
 inueni. tanto impetu incitatur ut incat equus  
 currentem et aliquando retineri non potest si per  
 per planus uel descendente loca ducatur.

O o o o d r b o o q d e o o d d o d o d o p d r o d d o d o q d d q d o  
 o q d d d q d d o o o d o h q d o d . d b b q q d d o h o q d d o d o d e o  
 d o o q d d d o b o d h o q d o d o d q d o o o d o h o d o d . p d  
 o p o p e o o o h o d o d d b b r d o d d o q d e a q o d h q d o  
 o o d o d q o o h q d o d q d d h o d o d a q d o o o d o q d d o d o  
 p o d d o o o d e p b h q d o d o d d o d q o o q d

















Mitria uel episcopalis corona que parum  
 ualet et nimis apretiatu eo q suo artifi  
 tio fulget et ita respendet ut nemo eam  
 firmiter inueni possit qui radijs confundatur

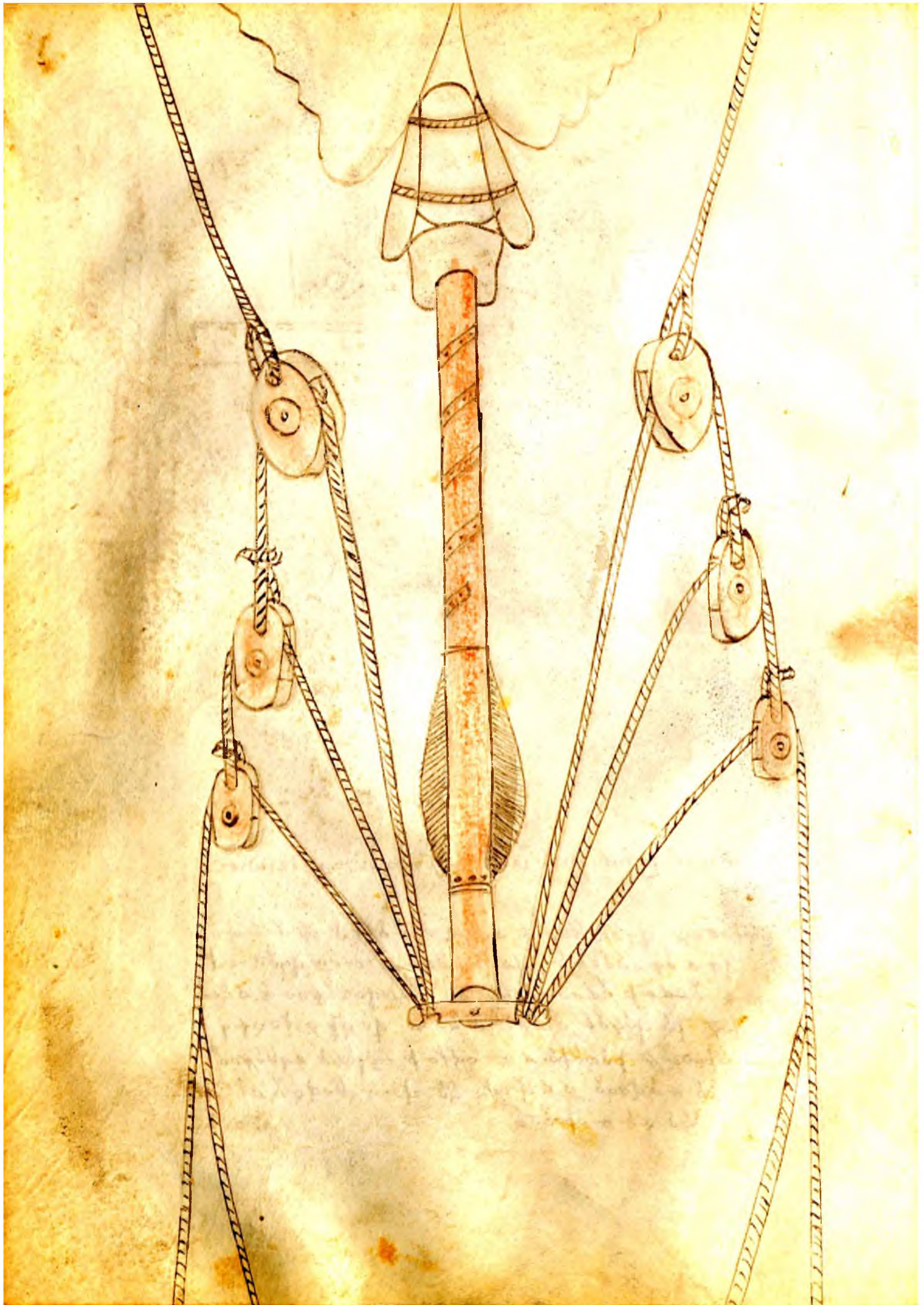
o o o o u a d b r d q q q q u a a h d o p d q d o d a f a b e  
 L o o a d d o a d b r o o o h d a f a f a b o b o a f d h o o a  
 o o h q q o d q d o h o d o h d d q d d d d r q d d d L q a h o d r o  
 q q o d d o d d o e a d o f o a q d d a o d q a o o o a o q d d  
 q d a o o o p o a d h o d .



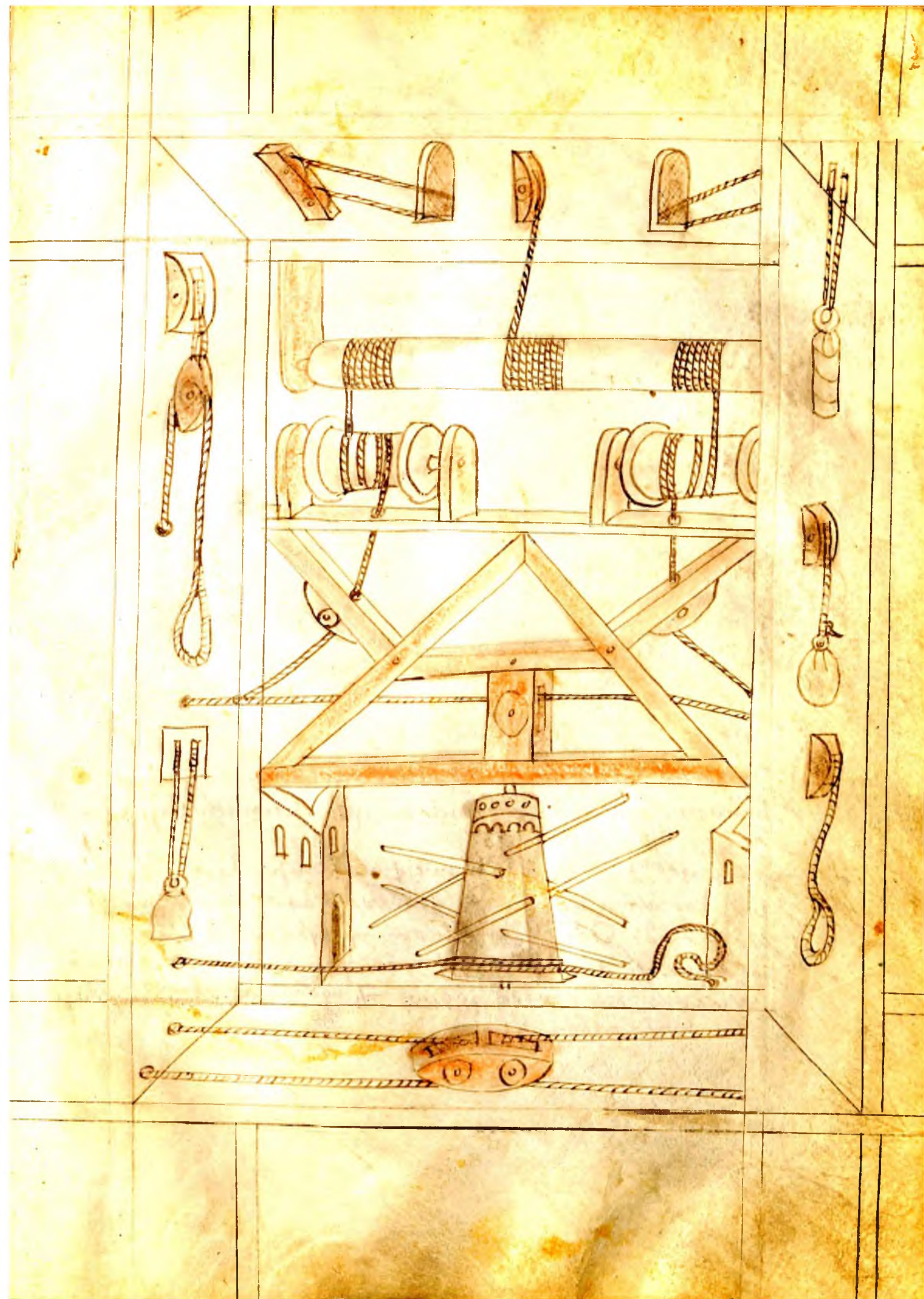




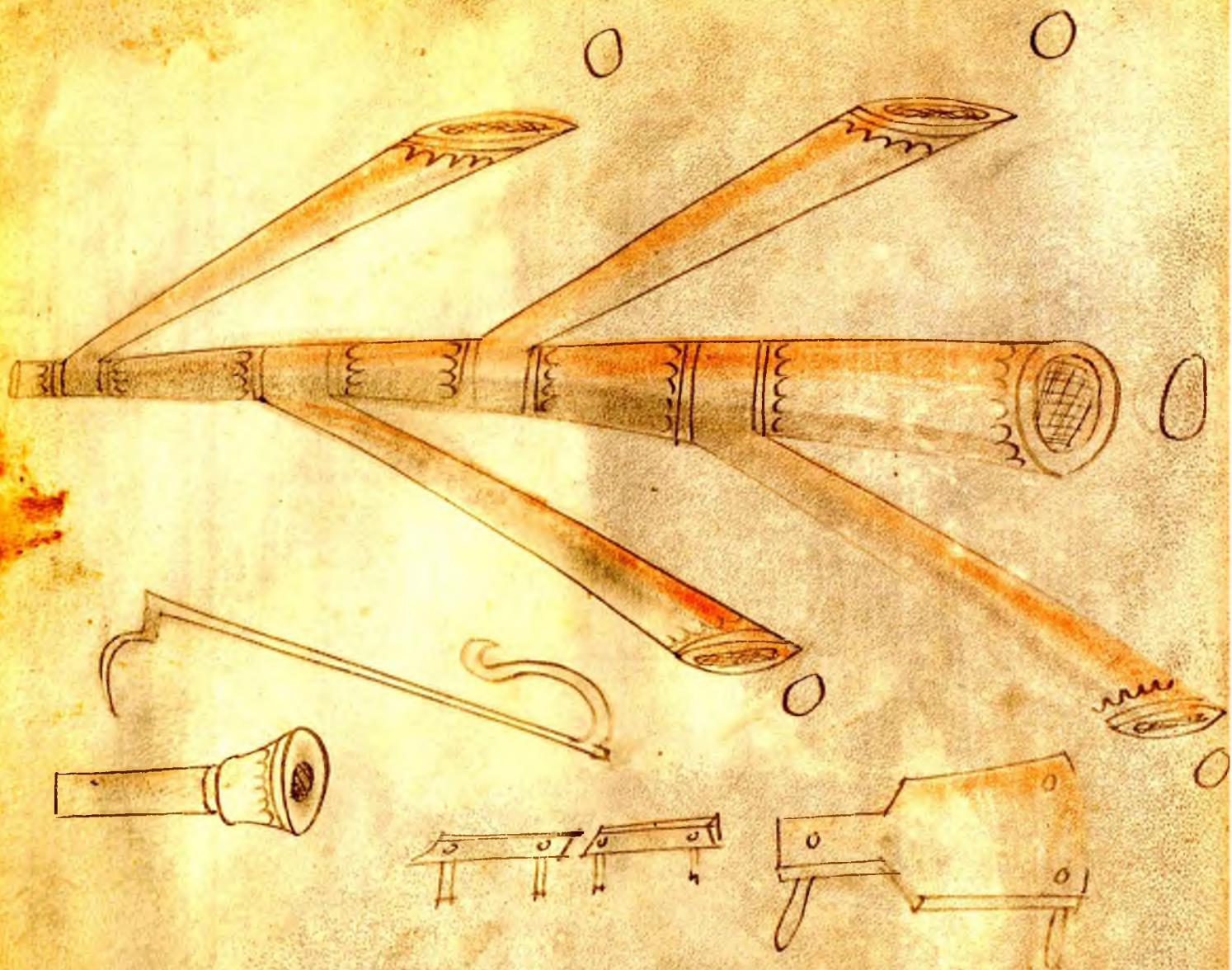








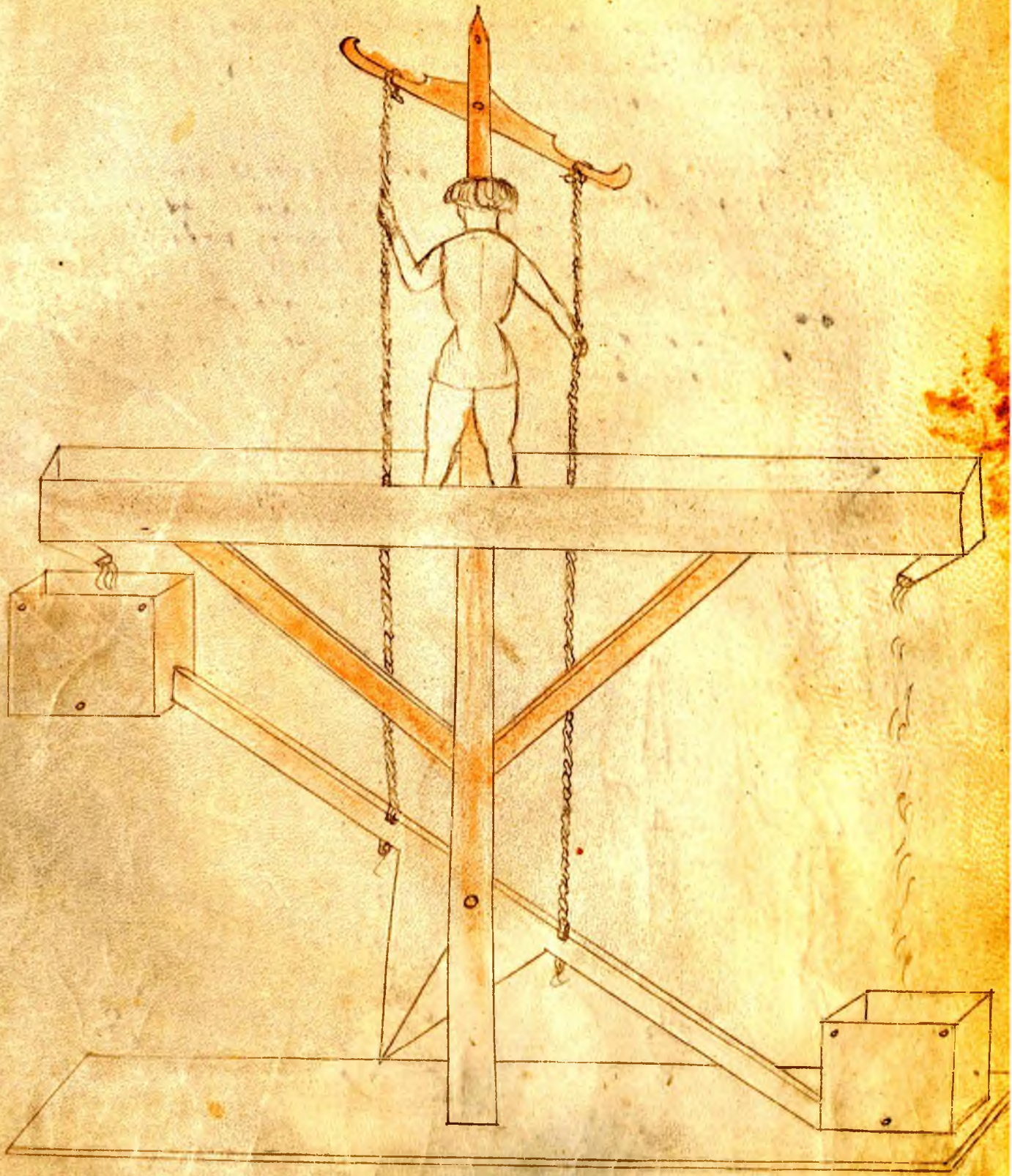




Portiones instrumentorum huc occultantur in equilibrio ingenio ad proficienda ea que extrinsecus apparent.

• *Handwritten text in a cursive script, likely a Latin or Italian description of the instrument's parts and function. The text is dense and difficult to decipher due to the cursive style and some fading.*



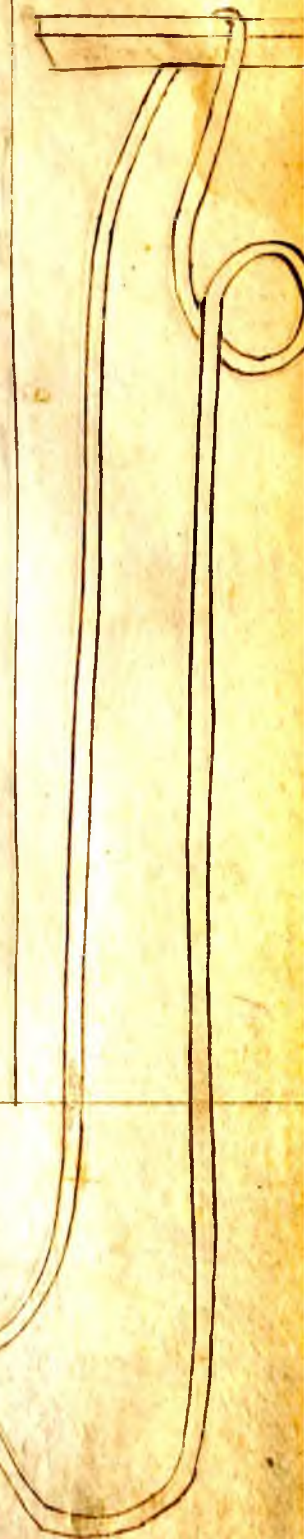








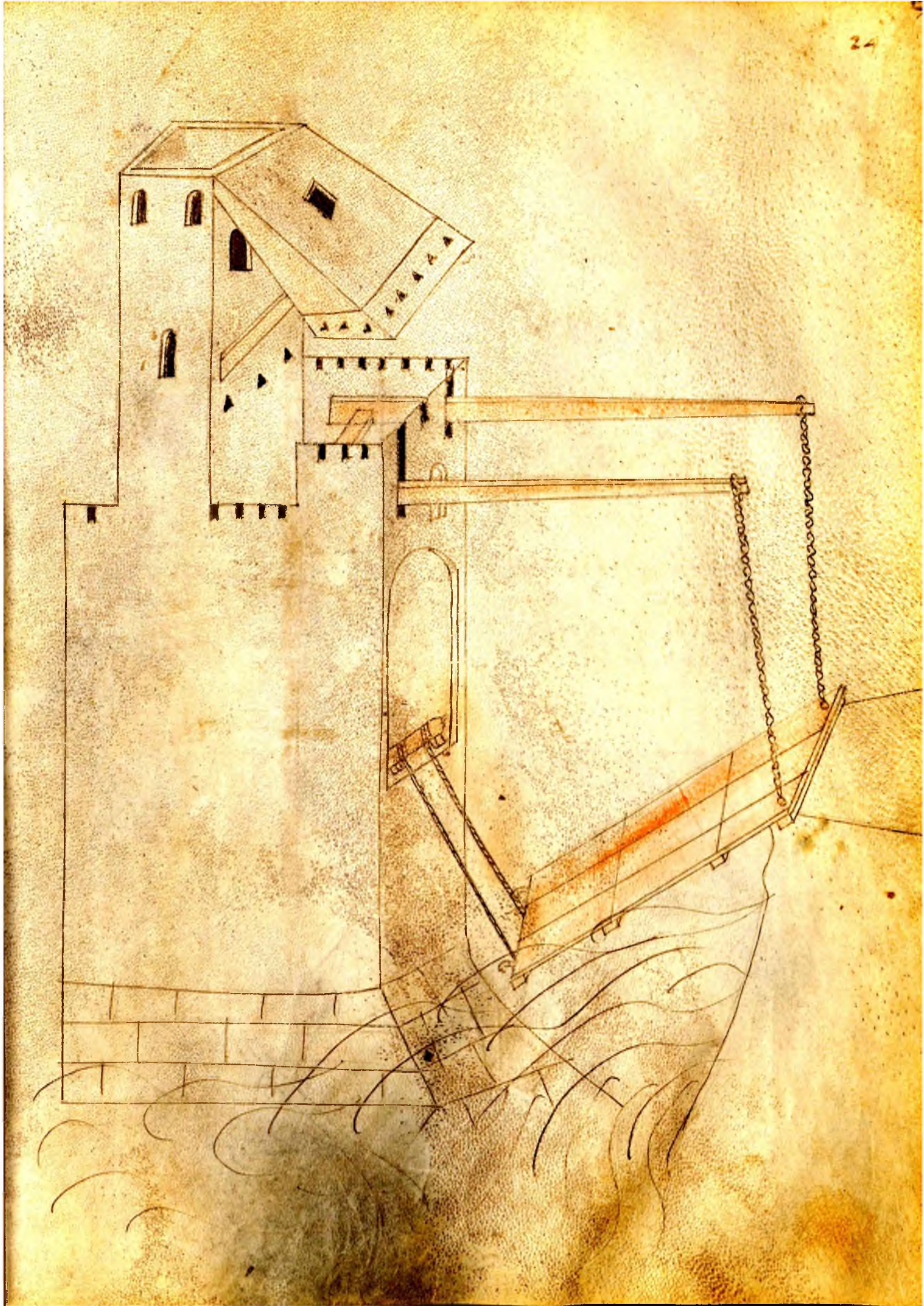
*Faint, illegible handwritten text in a historical script, possibly Arabic or Persian, located at the top of the page.*







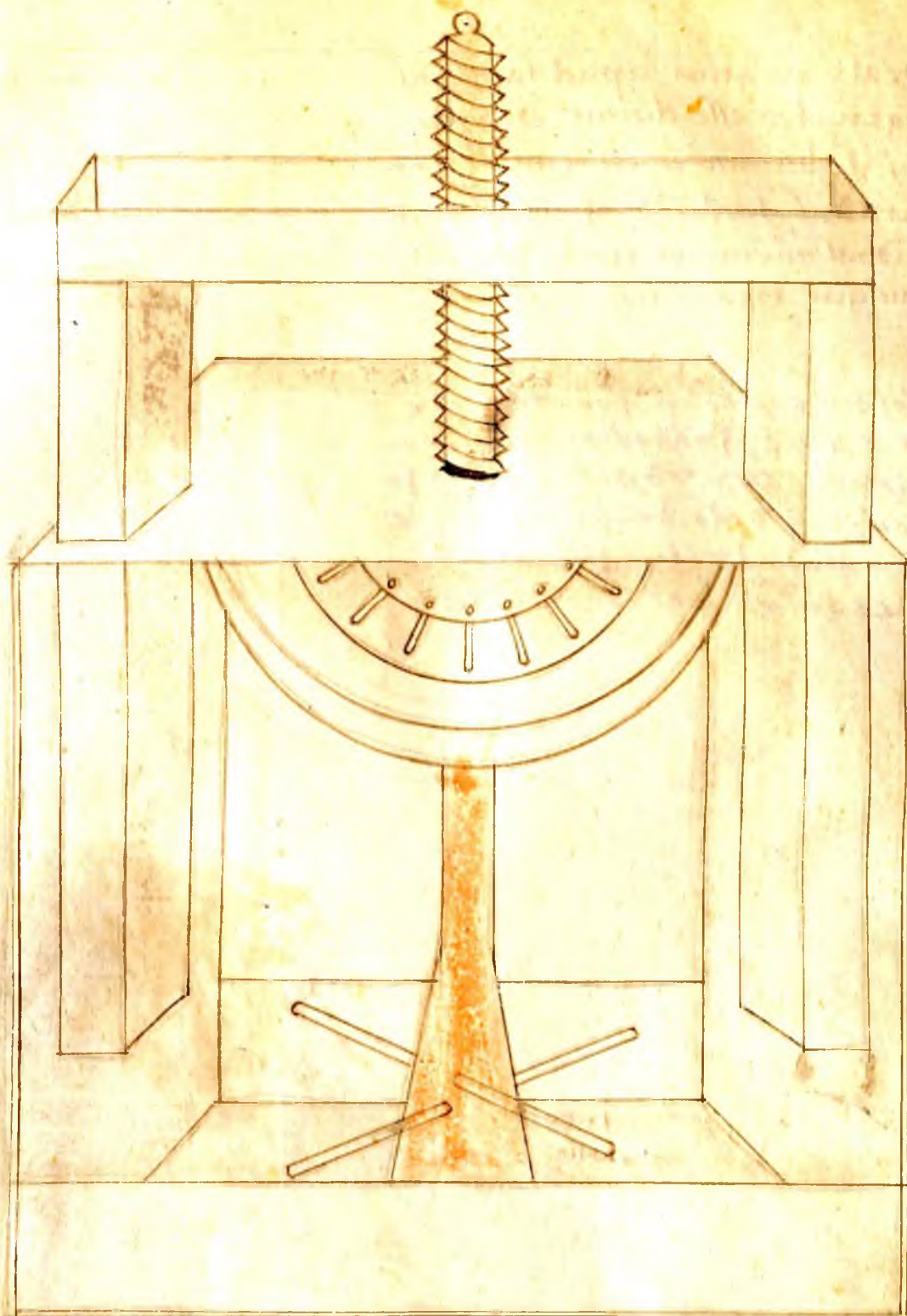










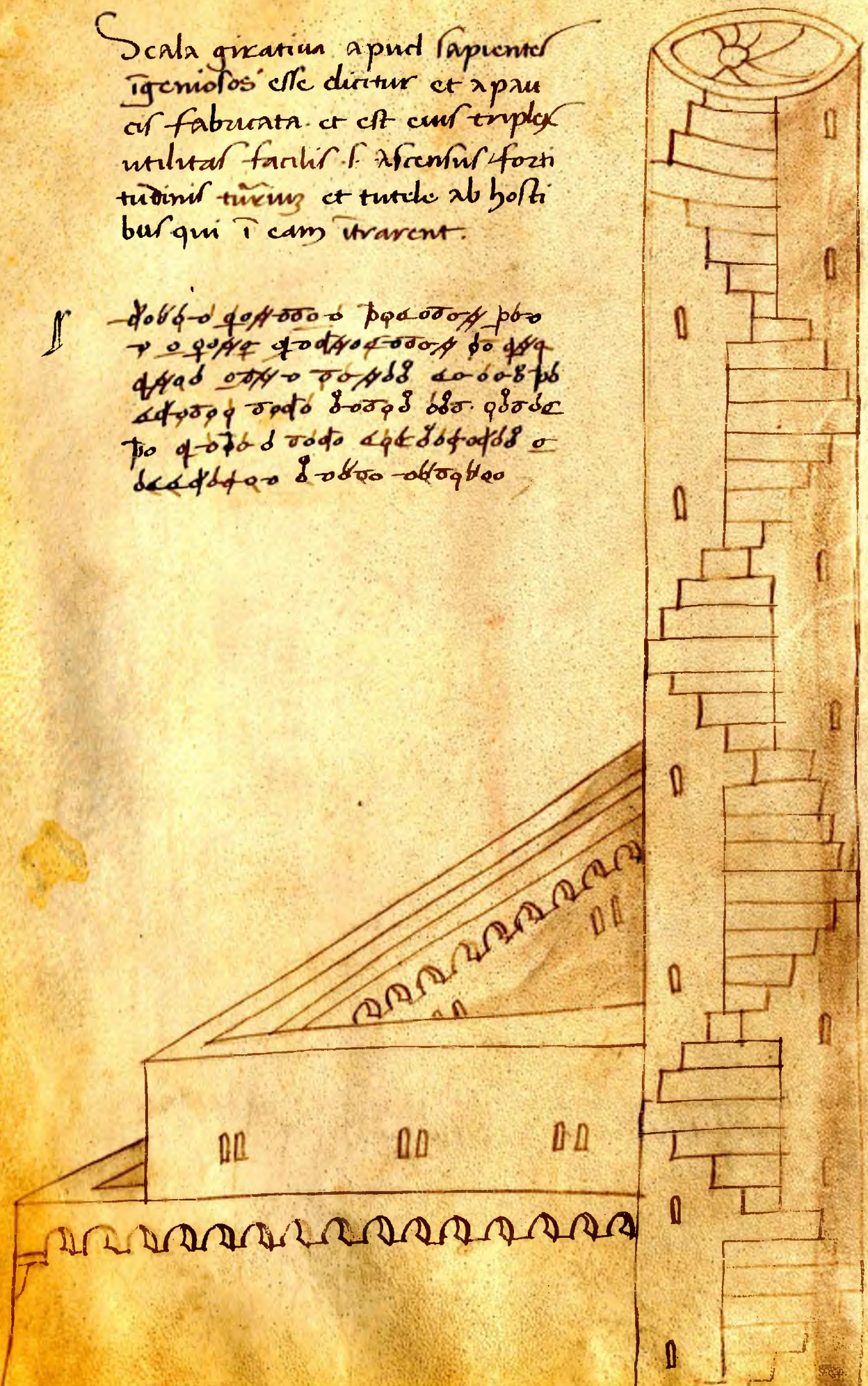


Օճո՞ն օճո՞ն գրգռոց օգնեցէ՞ն զքննարկութեամբ քննարկութեամբ  
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 քննարկութեամբ քննարկութեամբ քննարկութեամբ քննարկութեամբ



Scala giratoria apud sapientes  
 ingeniosos esse dicitur et a pau-  
 cis fabricata. et est eius triplex  
 utilitas facilis. s. ascensus forti-  
 tudinis tunc et tutela ab hosti-  
 bus qui in eam intrarent.

|| - d o b e o q o p s o o o p r a s o o p p o  
 r o q o p p e q o d f o p s o o p p o q o q o p  
 q o p o o p p o p o p p o o o o o o p p  
 a p o p p o p o p o p o p o o o o o p p  
 p o q o p o o p o p o a p e d o p o p o o  
 d e a p o p o o p o p o o o p p o







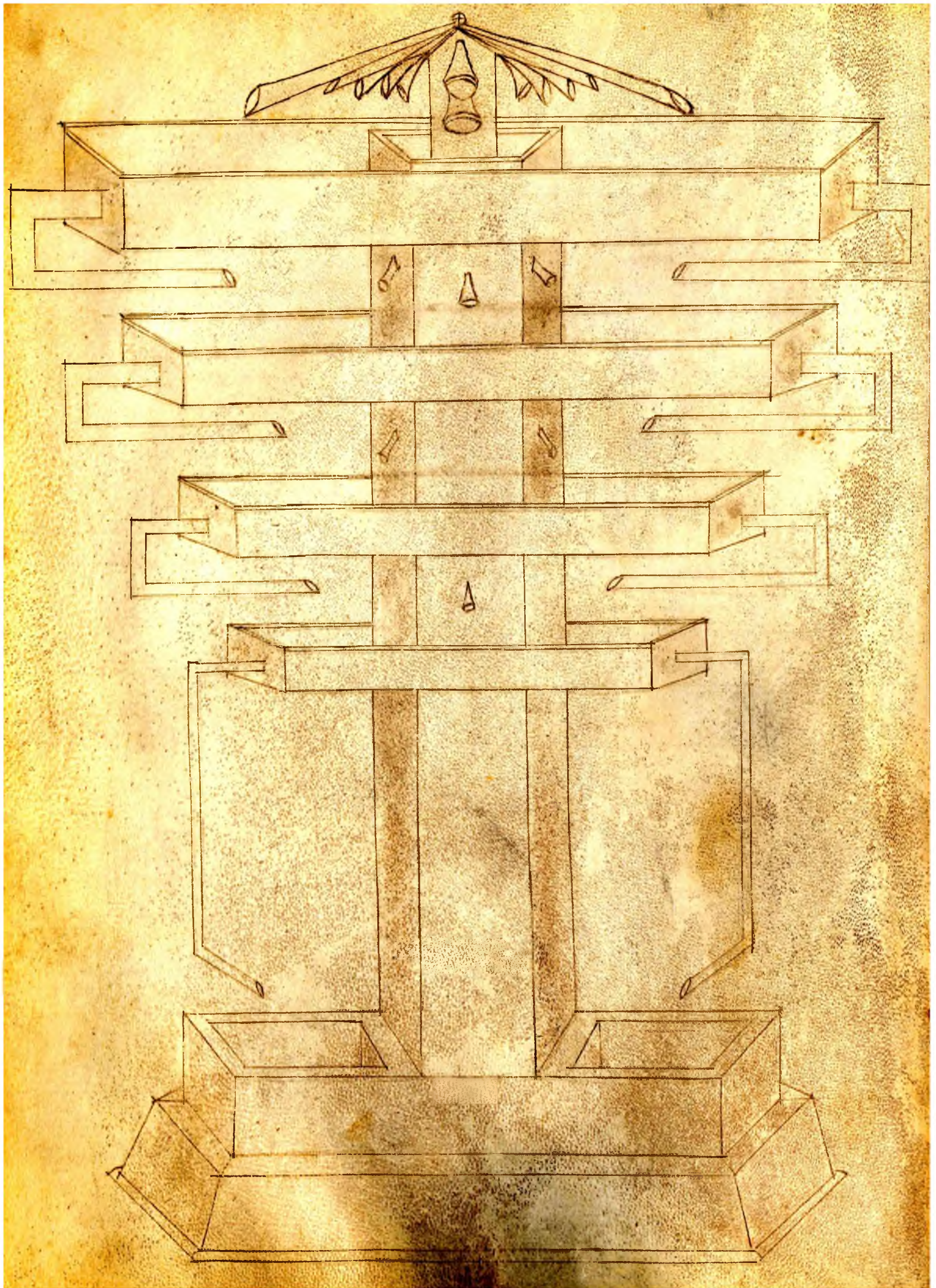




















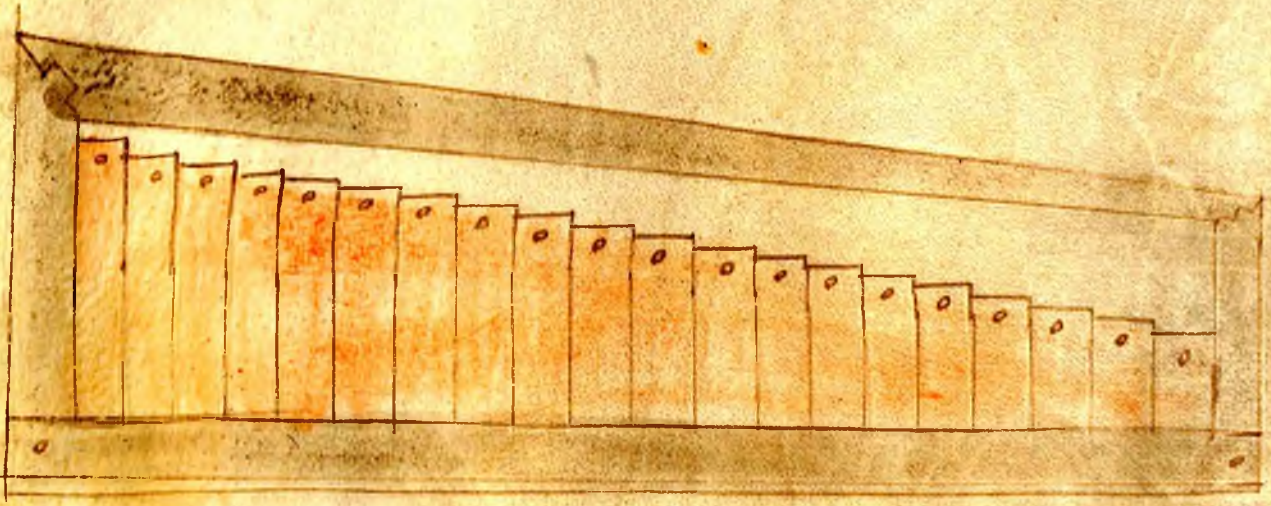




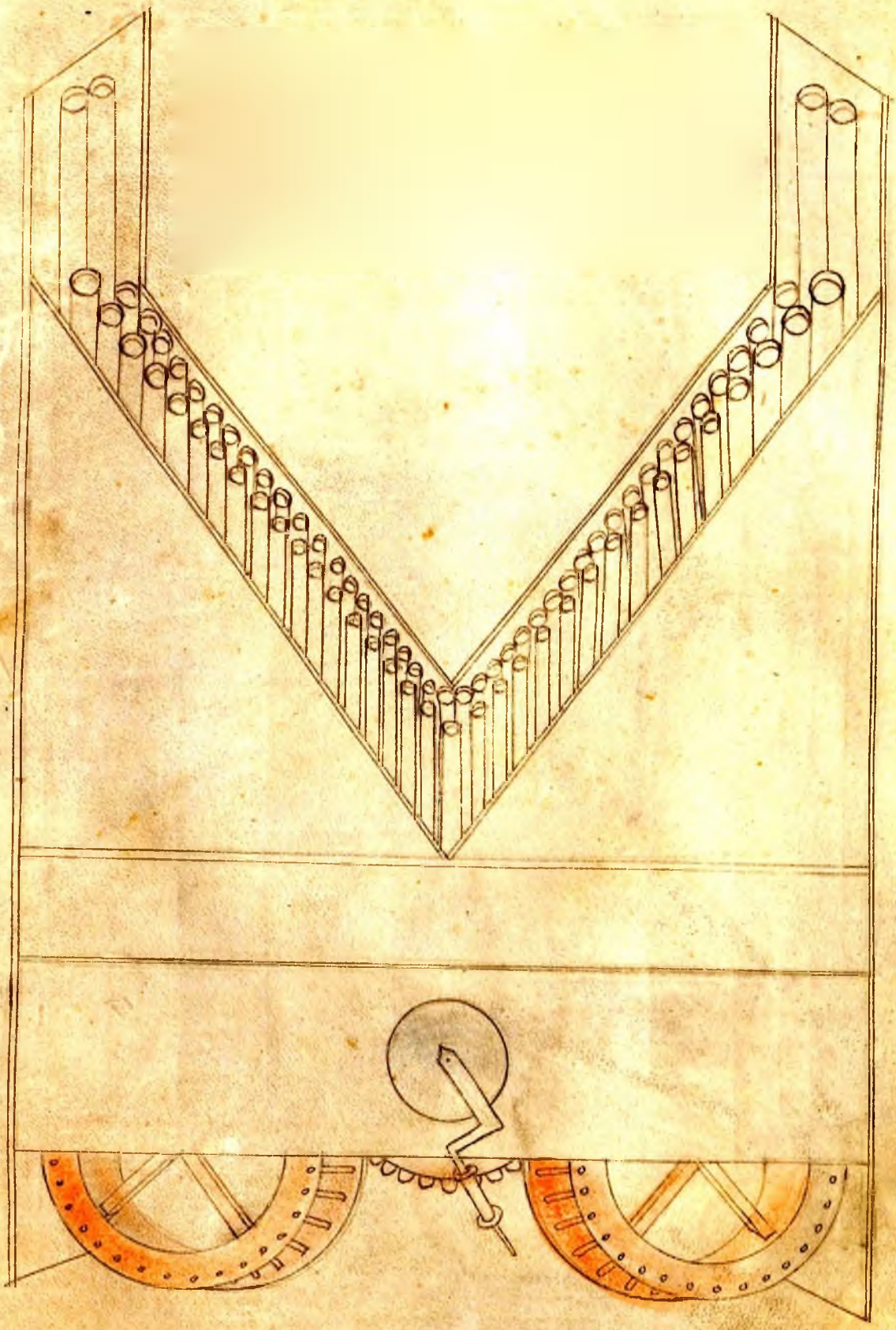


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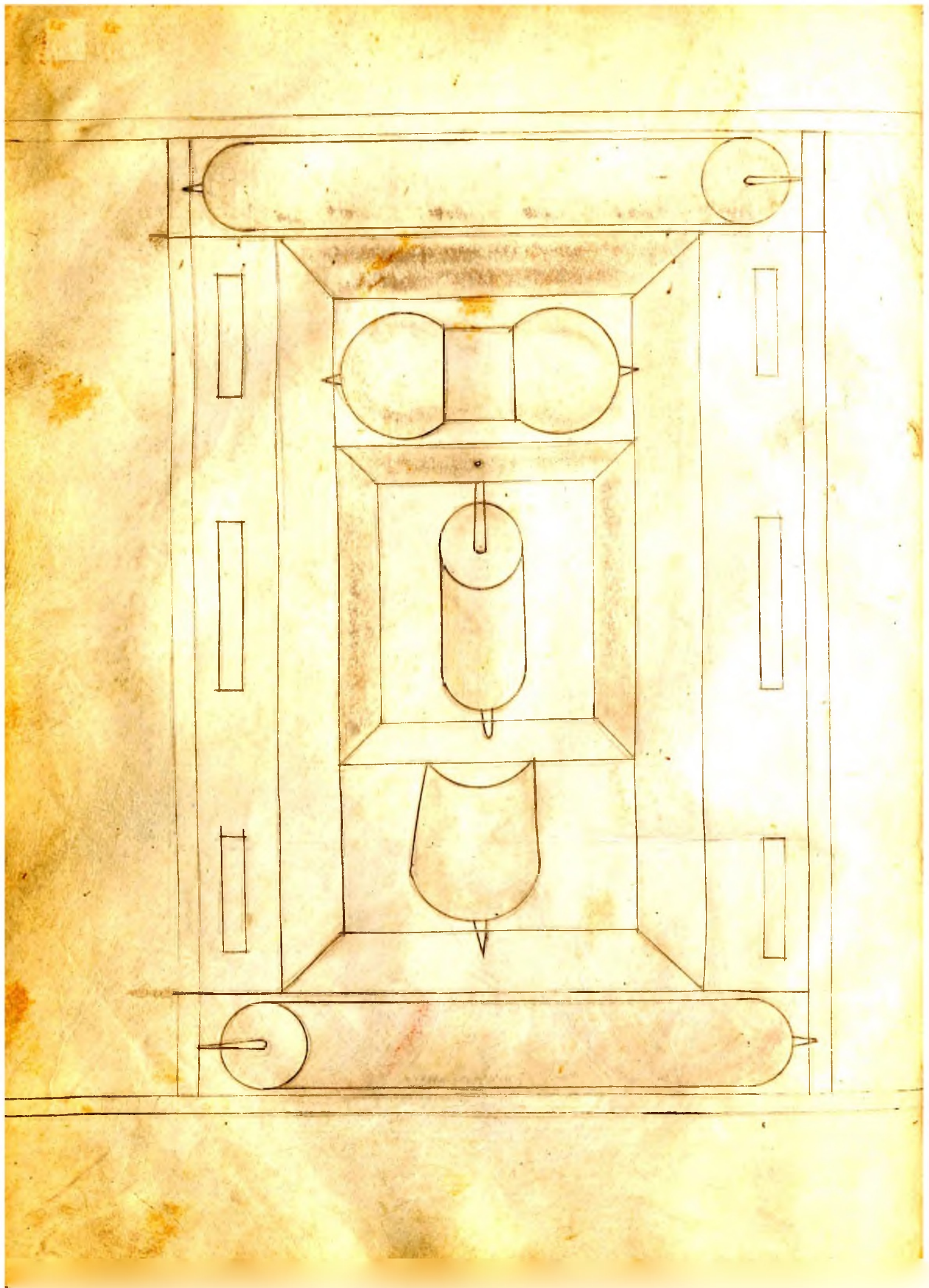
Organicum Կգա Գգրգ գծաճկճ կգեճե եճ օ  
 օ Գճգ գգգ Գգրգգ Գգ Գգ Գճա Խ գգգգգգգ  
 աճ Գ-ճճգգ Գգգգգգգ գոճկոճ Գգ  
 Բոճ օ Գոճ ԲոճԲճԳ գգճճգգգ Բոճ Գոճ Գ.  
 օ Գ Գոճ Գոճ Գ Գճճգգգգգգ Ե Գ Գոճ Գոճ  
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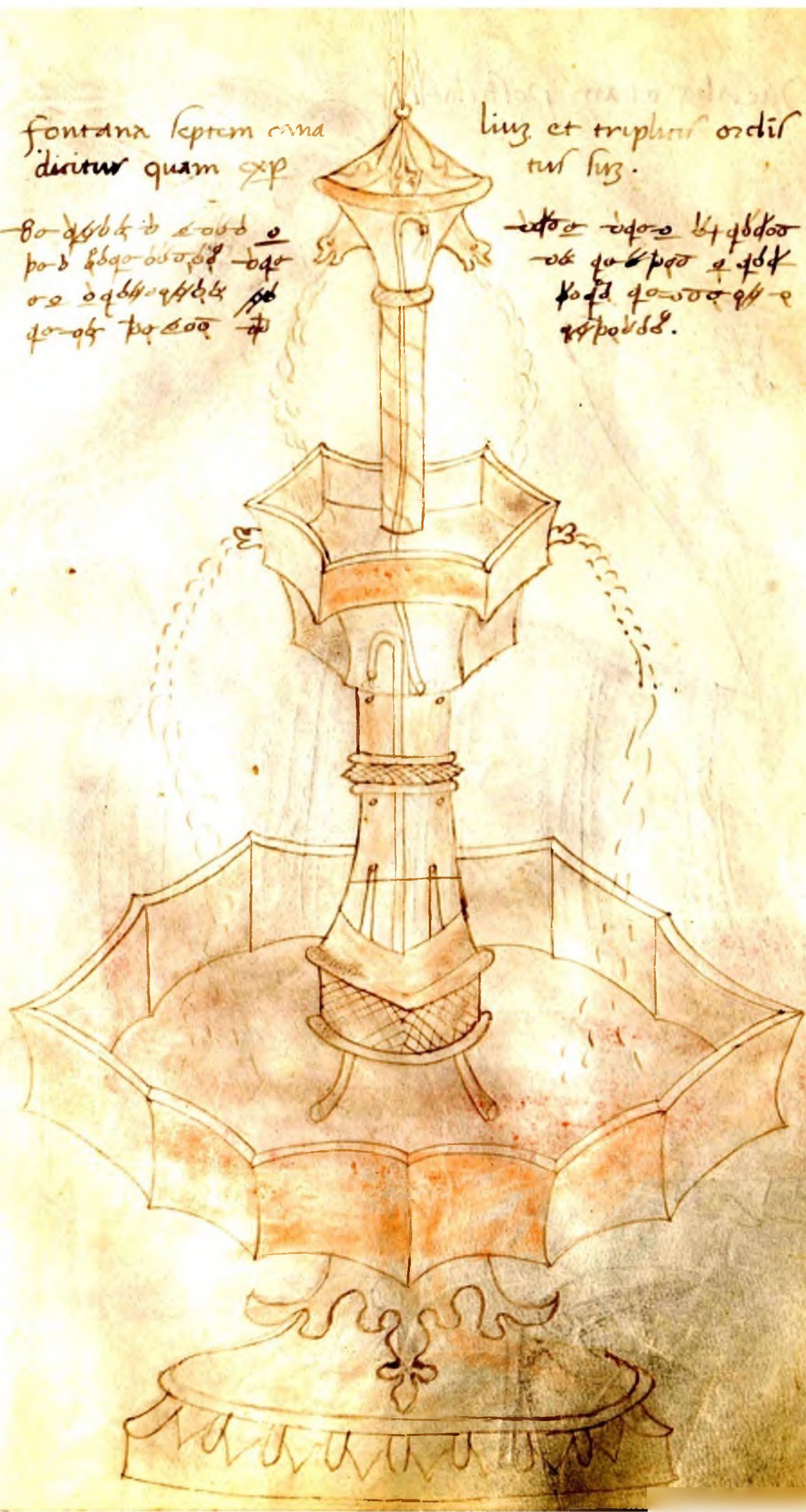


fontana septem cana  
dicitur quam xp

liuz et triplis ordi  
tus liuz.

1. 80 d d b b d d e o b b o  
p o d b b q o o u o p b b d q e  
o e o q b b o q b b b e b e  
q o o b b p o e o o b b

o b o o o b o o o b t q b b o o  
o e q o b b p o o e q b b  
p o q d q o o o o q b e  
e b p o d b b e.





*Pueritia etiam postulasti*





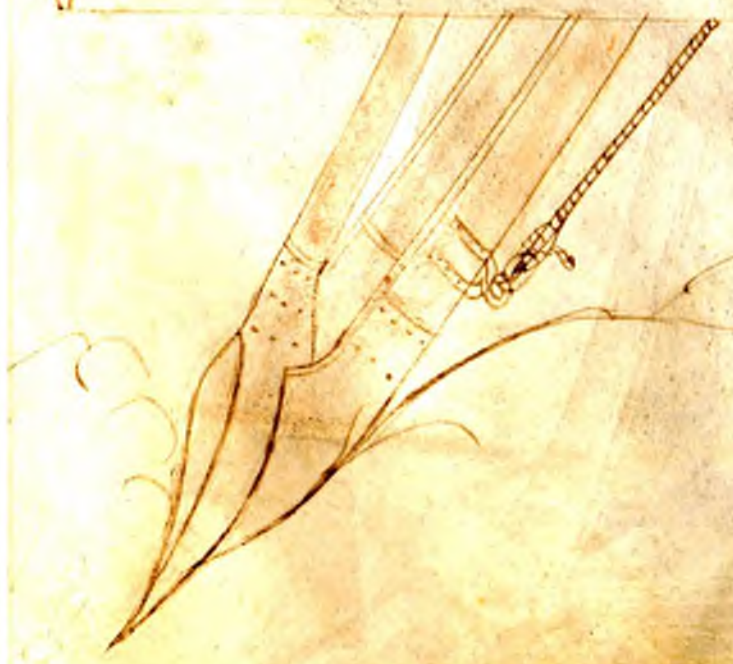
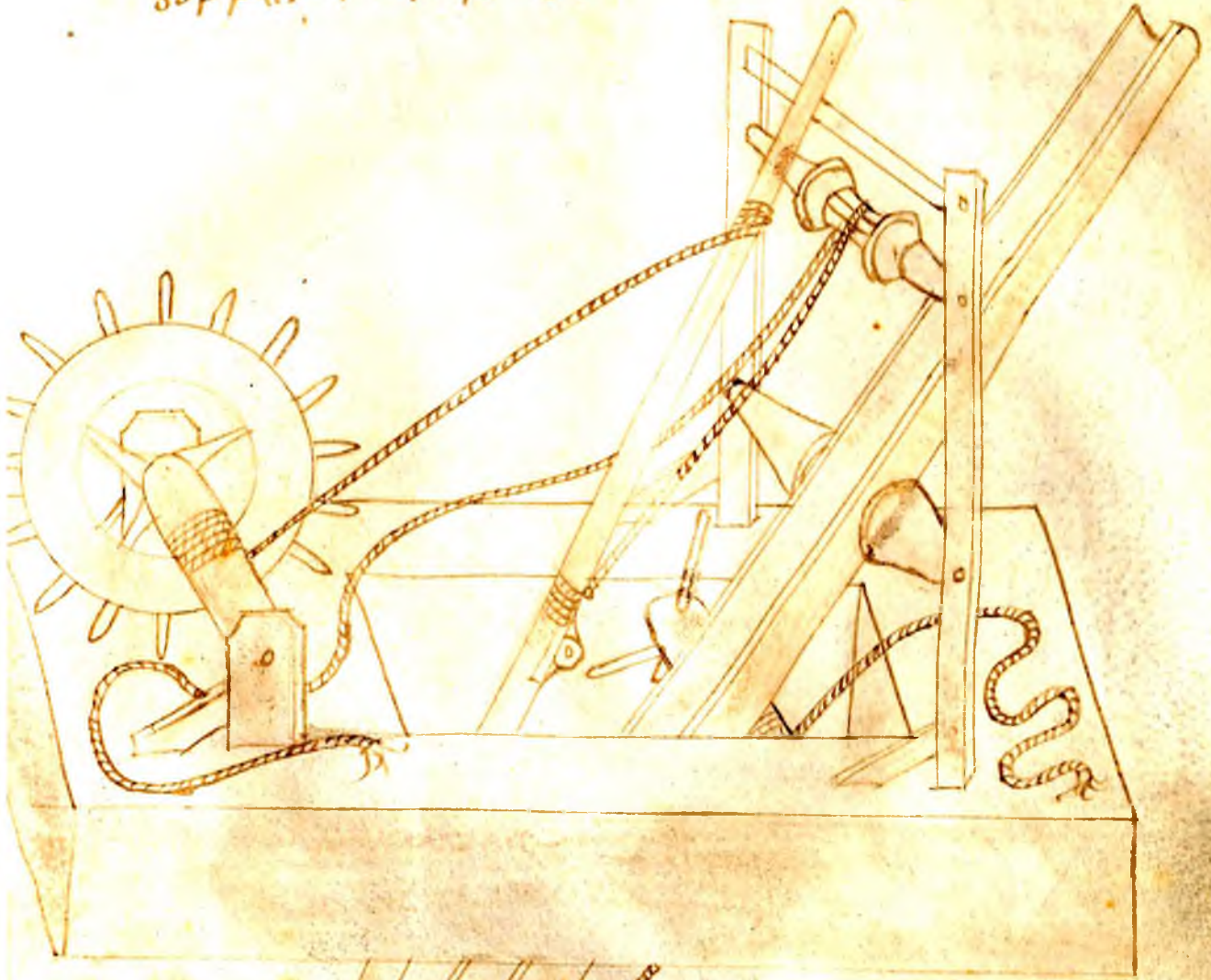








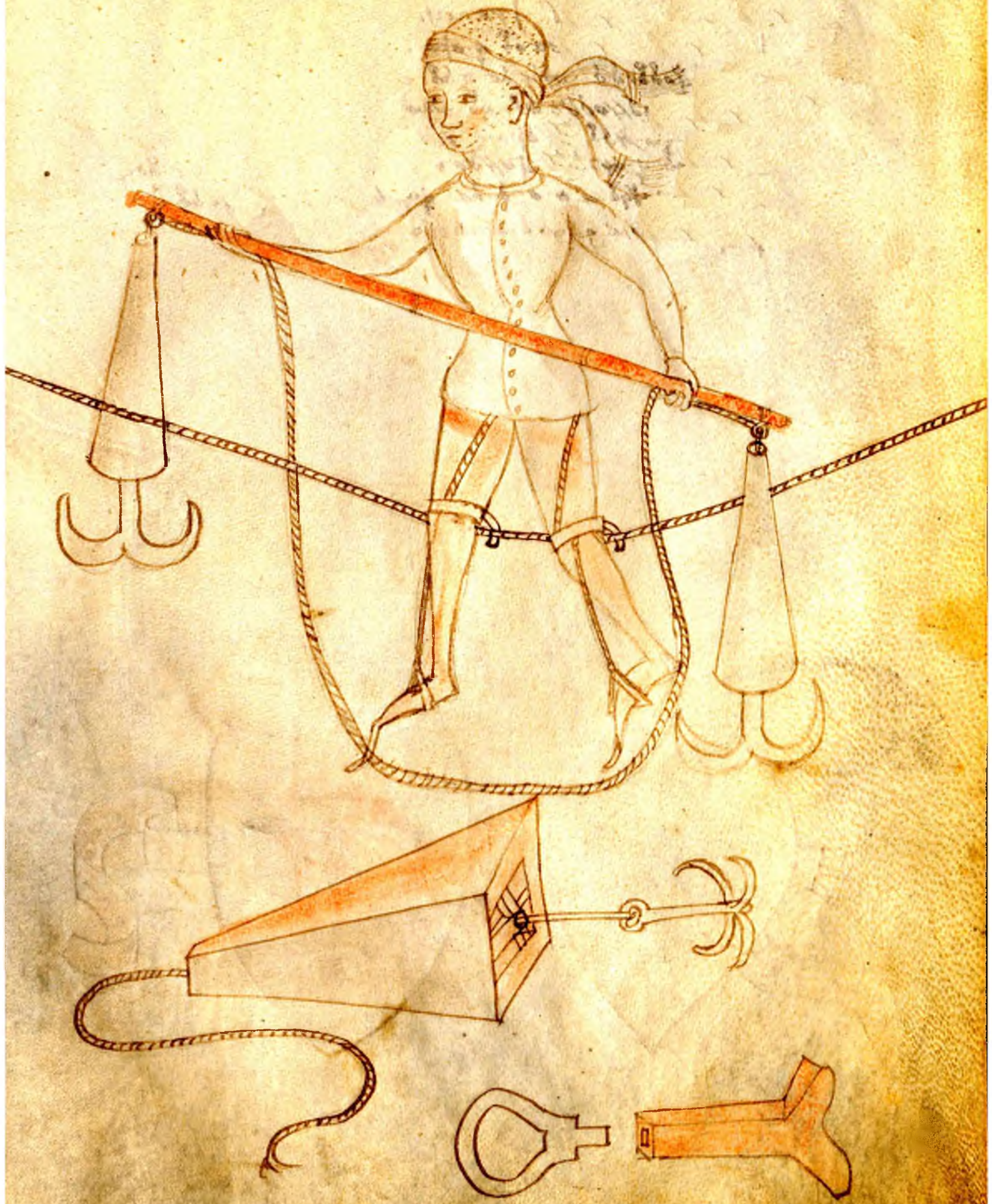
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 Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ  
 Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ  
 Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ  
 Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ Եւստ Կ













Sophistic facies francisci & o[mn]i[u]m o[mn]i[u]m d[omi]n[or]u[m] d[omi]n[or]u[m]  
p[ro]p[ri]o d[omi]n[or]u[m] o[mn]i[u]m d[omi]n[or]u[m] q[uo]d d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m]  
q[uo]d d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m]  
d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m]  
d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m]  
d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m]  
d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m] d[omi]n[or]u[m]



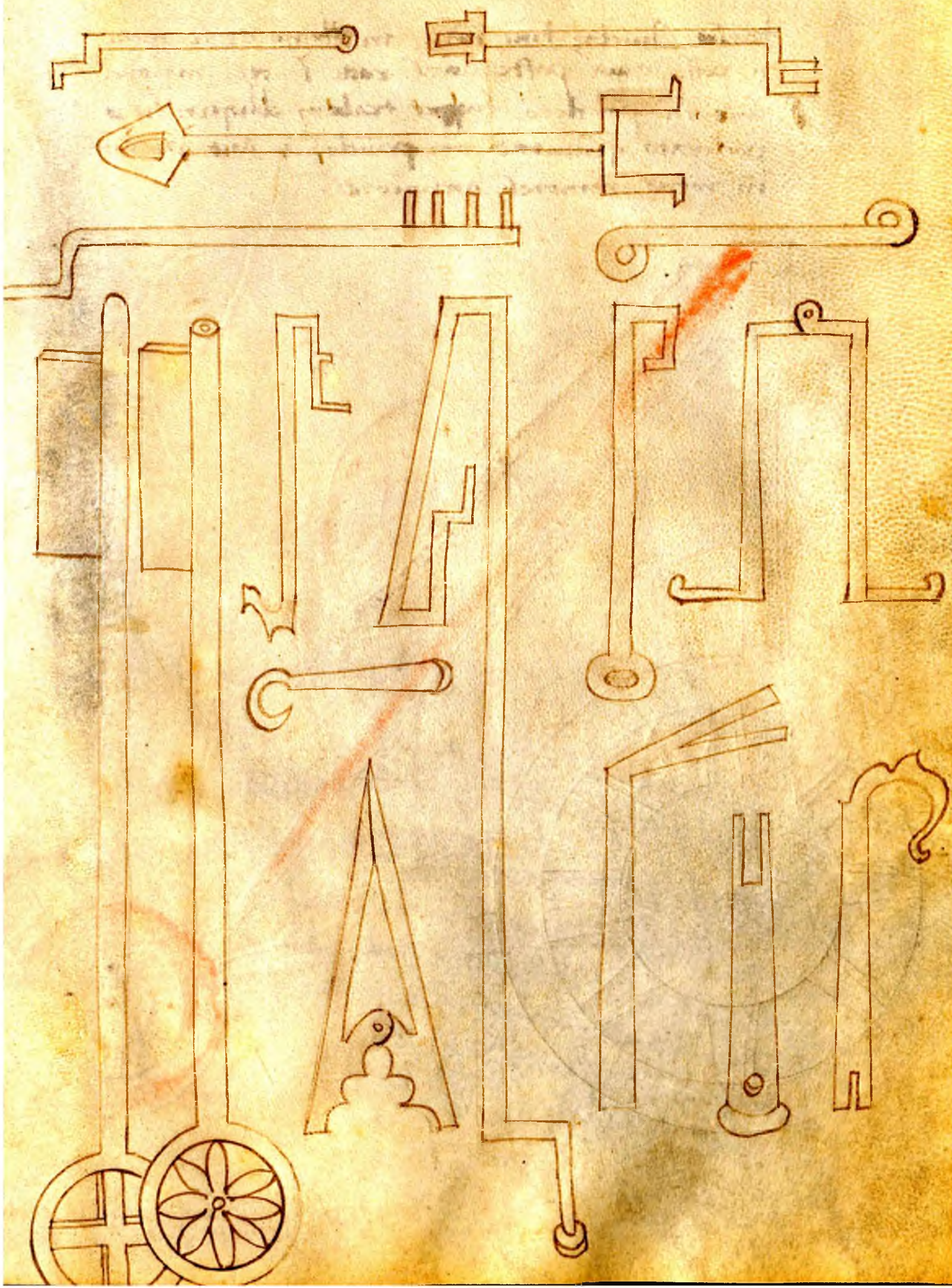






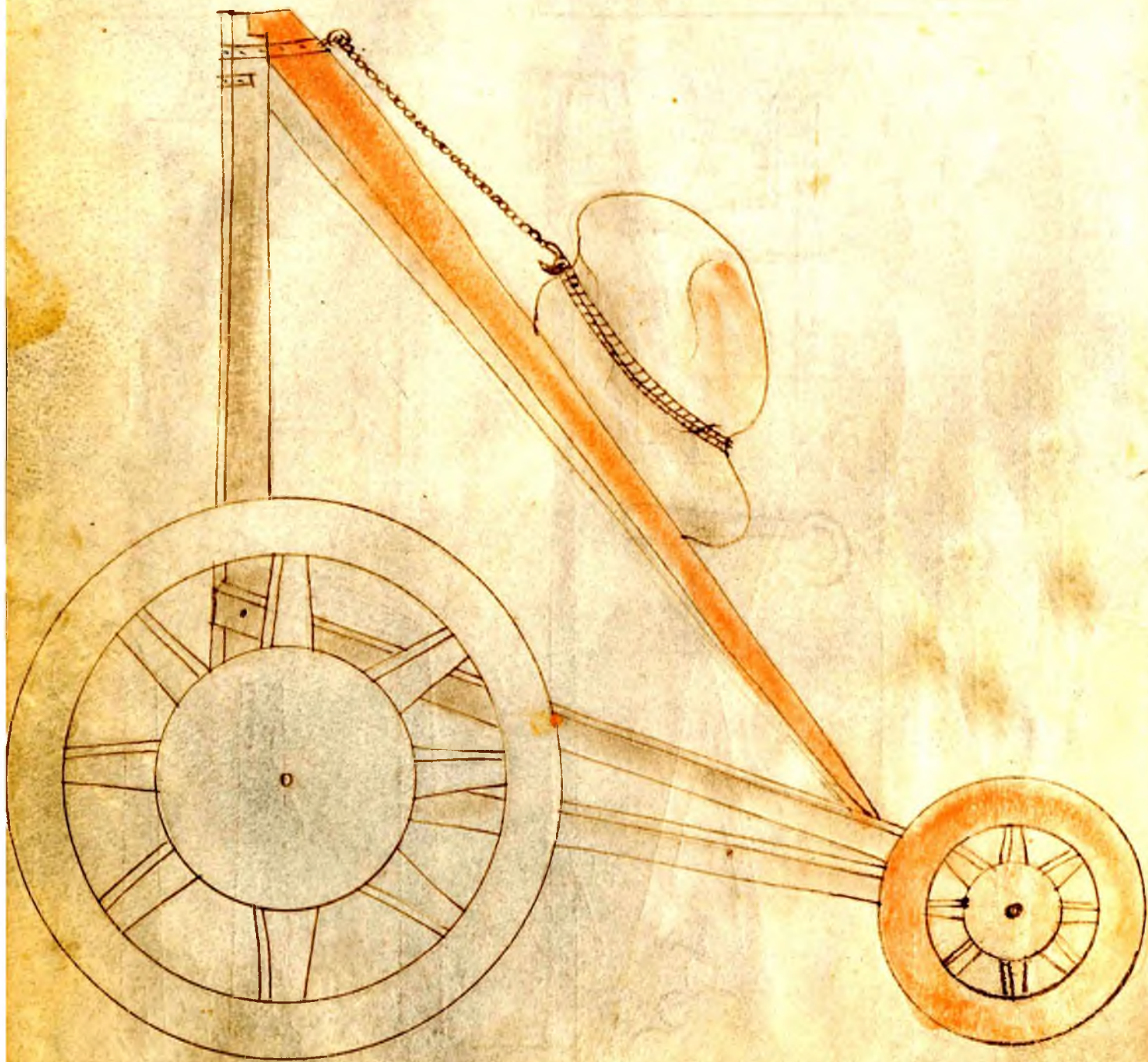






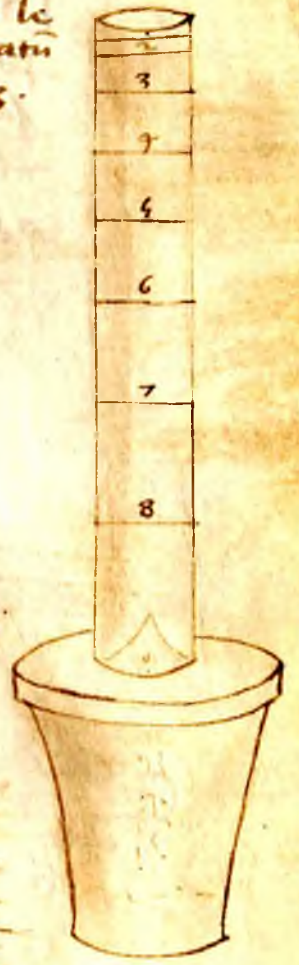


ferunt Invidaz huc ruz in plano ex se moue  
u posse quia posteriores rotte forte maiores  
una cu pondere super terram obliquaz sic a  
poderato gravitat et ponderat aut premit  
in rotas minores anteriores.





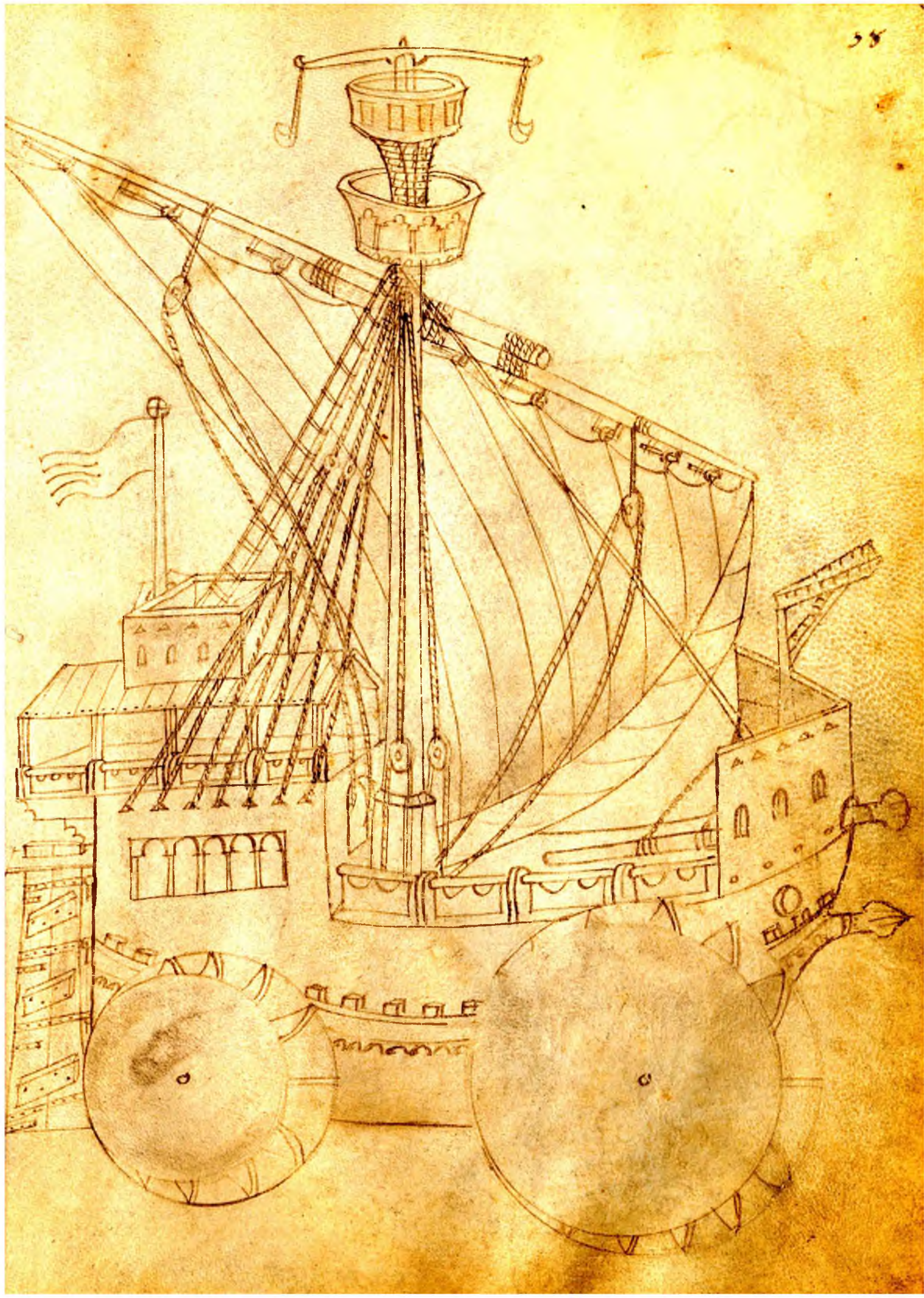
de piffce anc et le  
pore habes tractatu  
meuz fufitientez.







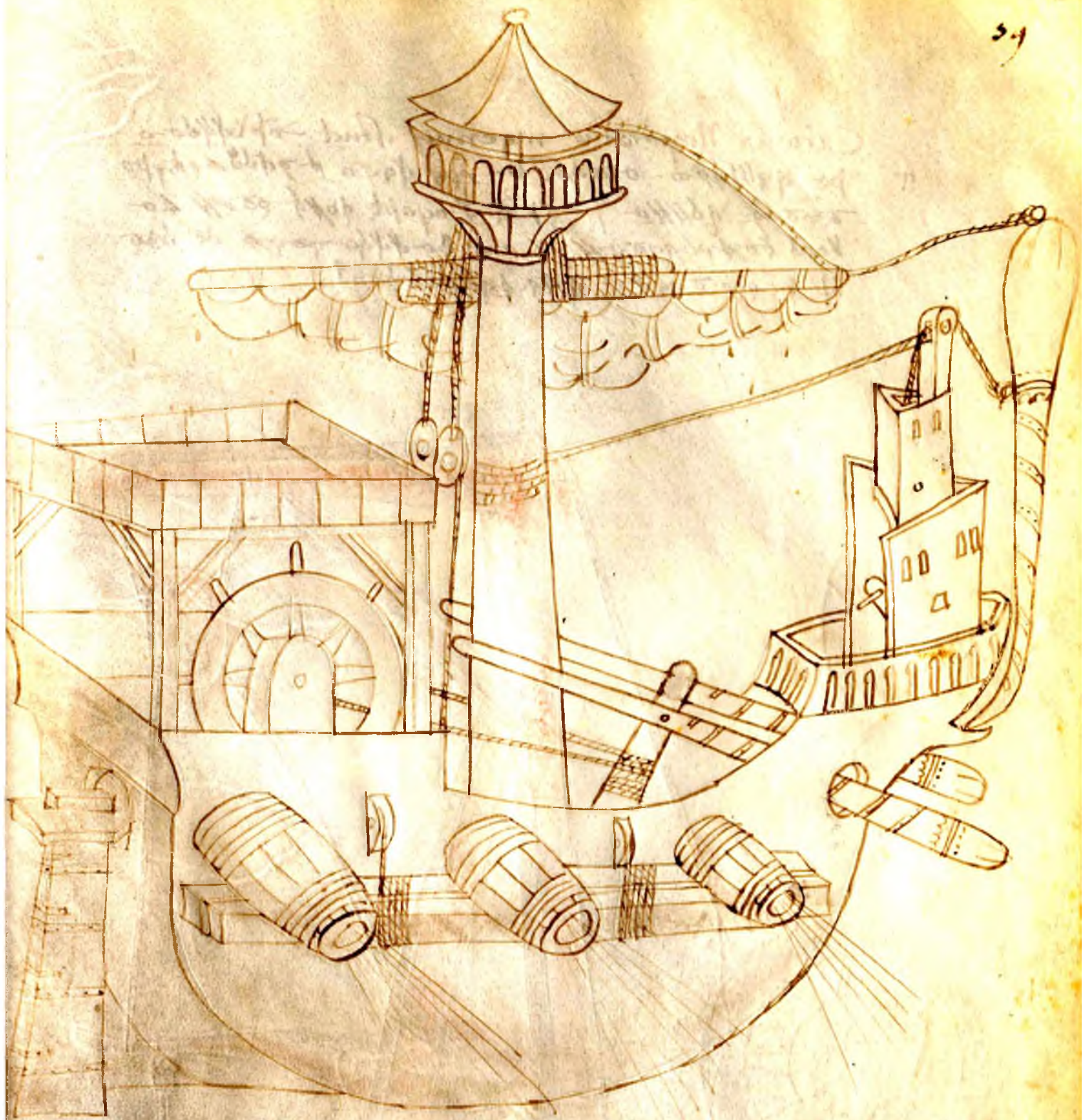






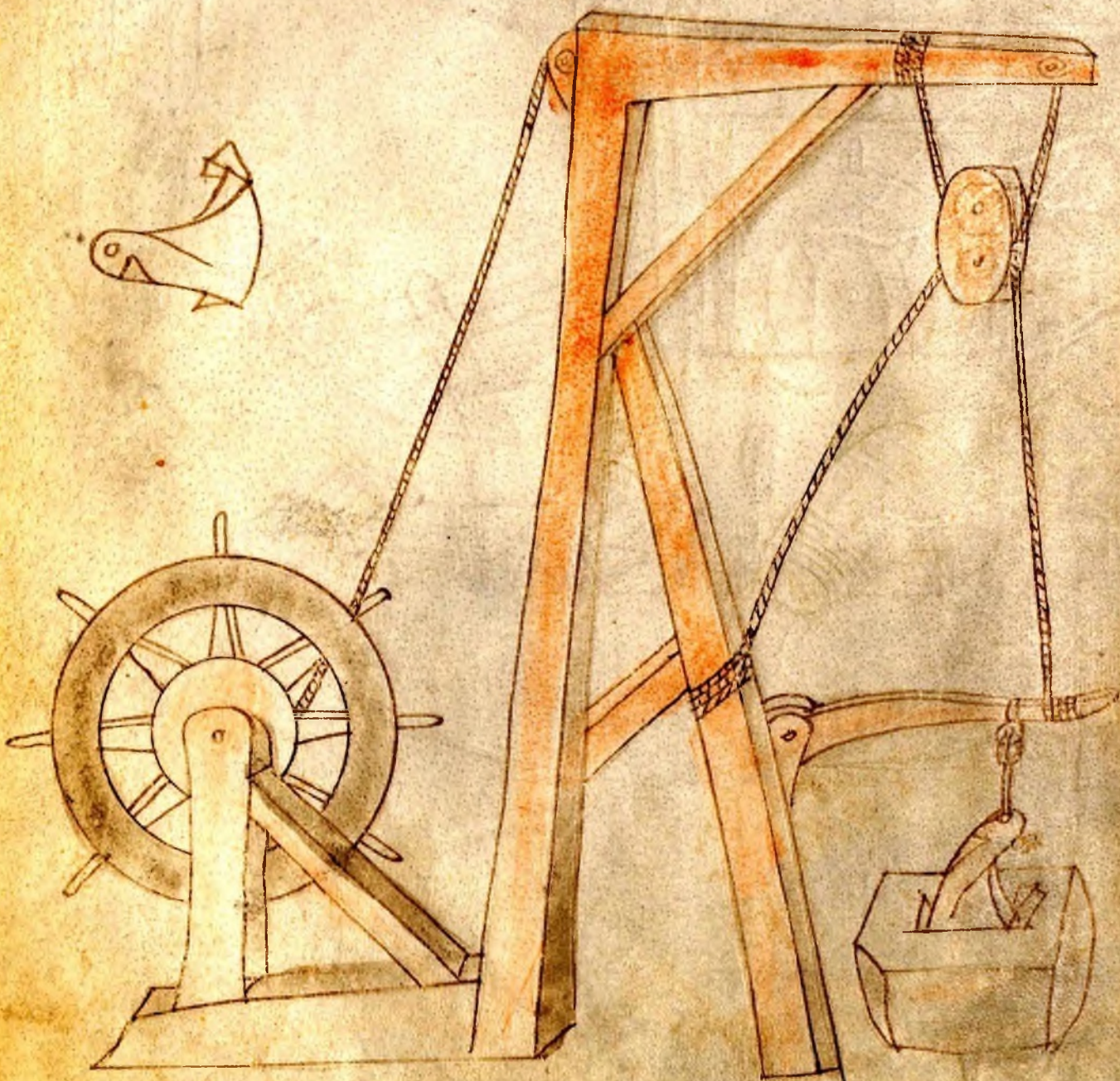








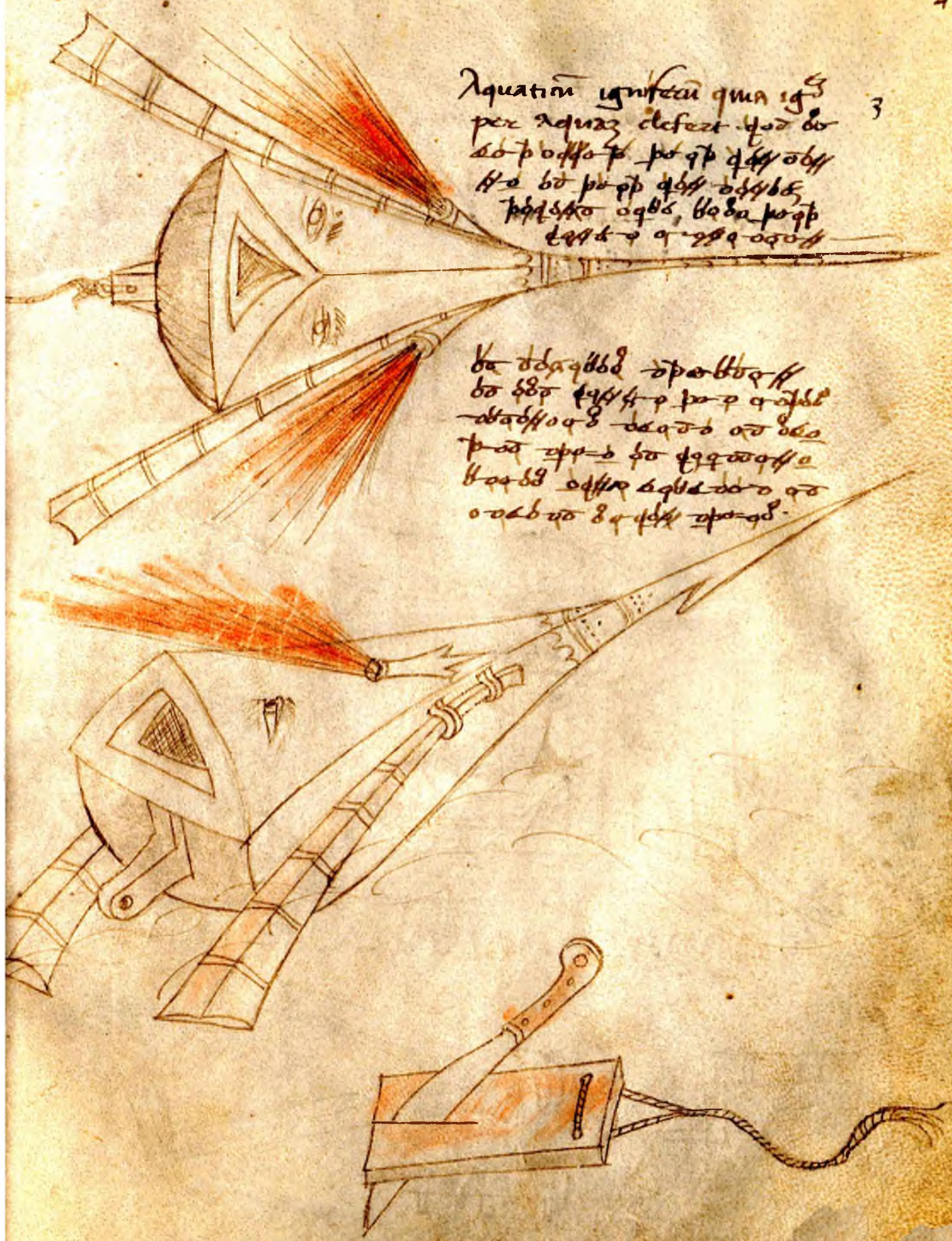
Ciconia Nominatur ingenium istud > Երևանի օ  
 Եր Գրեթե Ե. օ Երթ Եր Եր Գր Եր Եր Գր Եր Եր Գր  
 Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր  
 Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր  
 Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր Եր Գր





Aquatim ignifera quia ignis  
 per aquas defertur. Quod dicitur  
 dicitur per aquas per aquas  
 hoc dicitur per aquas per aquas  
 per aquas per aquas, per aquas  
 per aquas per aquas per aquas

hoc dicitur per aquas per aquas  
 hoc dicitur per aquas per aquas  
 per aquas per aquas per aquas  
 per aquas per aquas per aquas  
 per aquas per aquas per aquas  
 per aquas per aquas per aquas



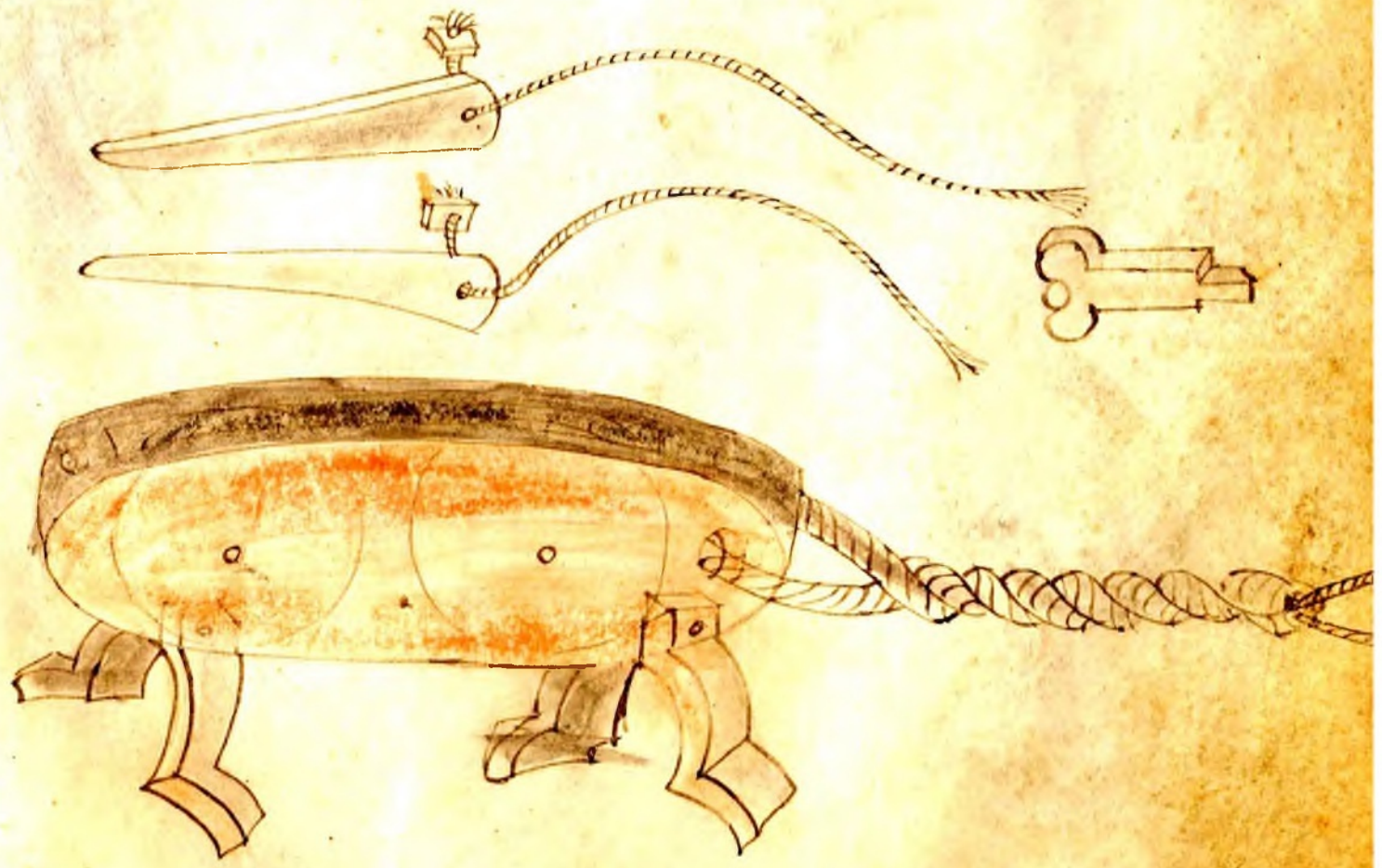






Puella aliax magistra i toto opere lincenciis fabricata  
dupliu rotella trahit in ea proportione qua se habet ad  
alias precisa sibi immediatas manete eadez potentia per  
sonazuz :-

qonudbbqveb f foga o q vda da q q d h u va f bob d d d h d  
f + f d h a o f q q o b h f q q b o .  
h q o d b o f o e o o o h q o o o o h o q o d d u f q q f o o o d o h h o  
h q h o o d h h q o o o o .  
q q d f o d q d f o o o h d q b a o o o f q o q b o o d o o d q q d  
d o o o o o o f o d h q o b f d o d o b o d o q d h q a o d h o d o o h  
d q h b o q o d o h o o o h o o h . d q h b o o h h q q o d o h o o o o  
o b o d o d h o d d h h b k q h o f | q o d o o o h .

















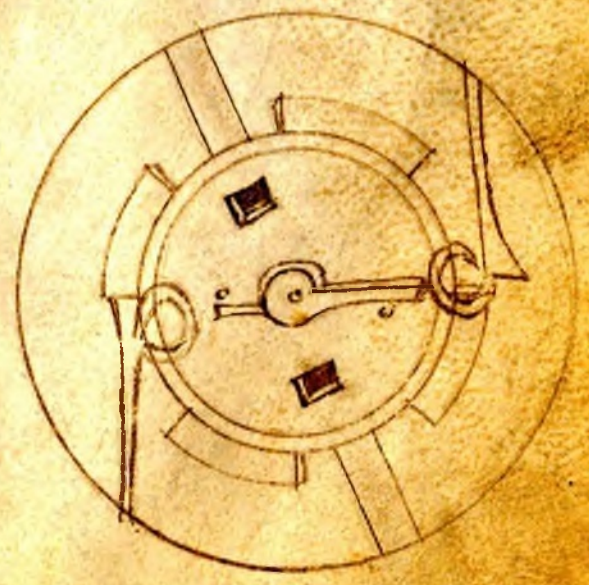
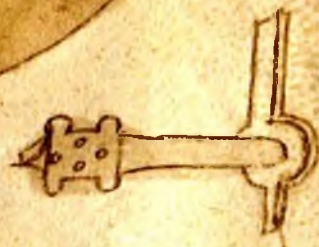
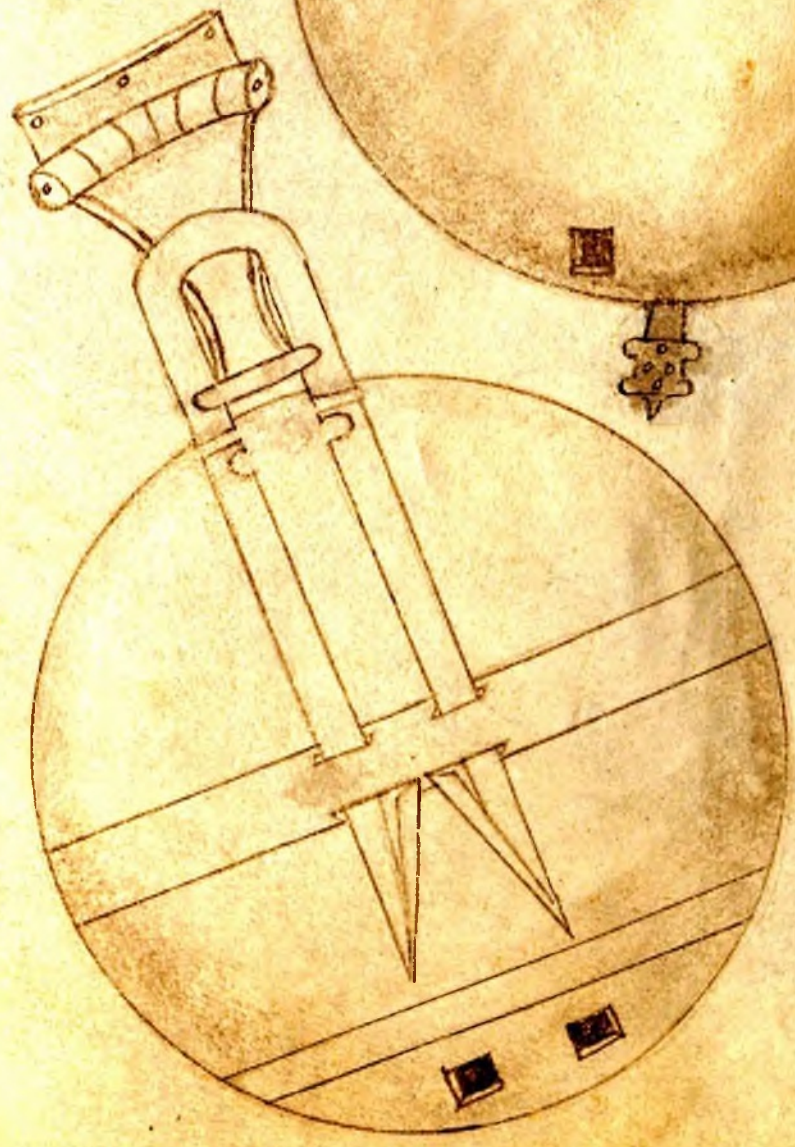
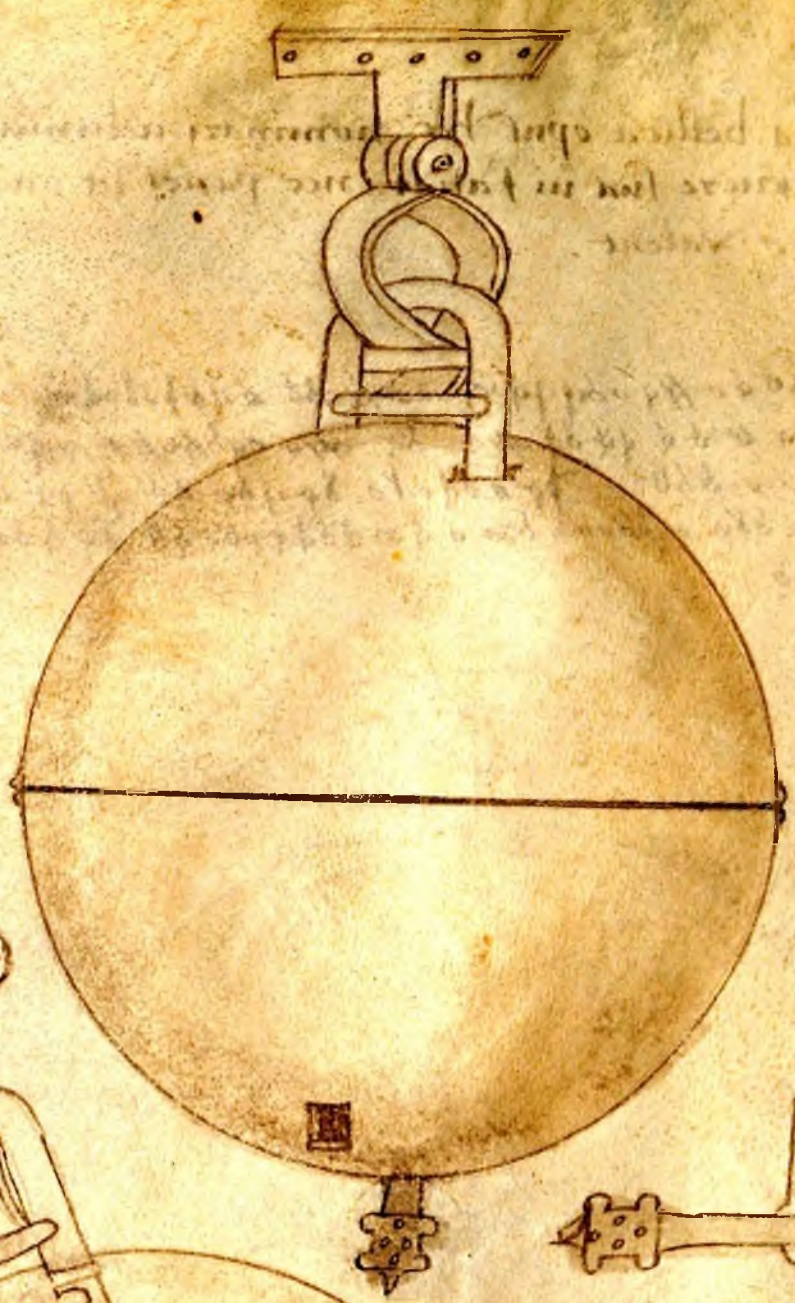








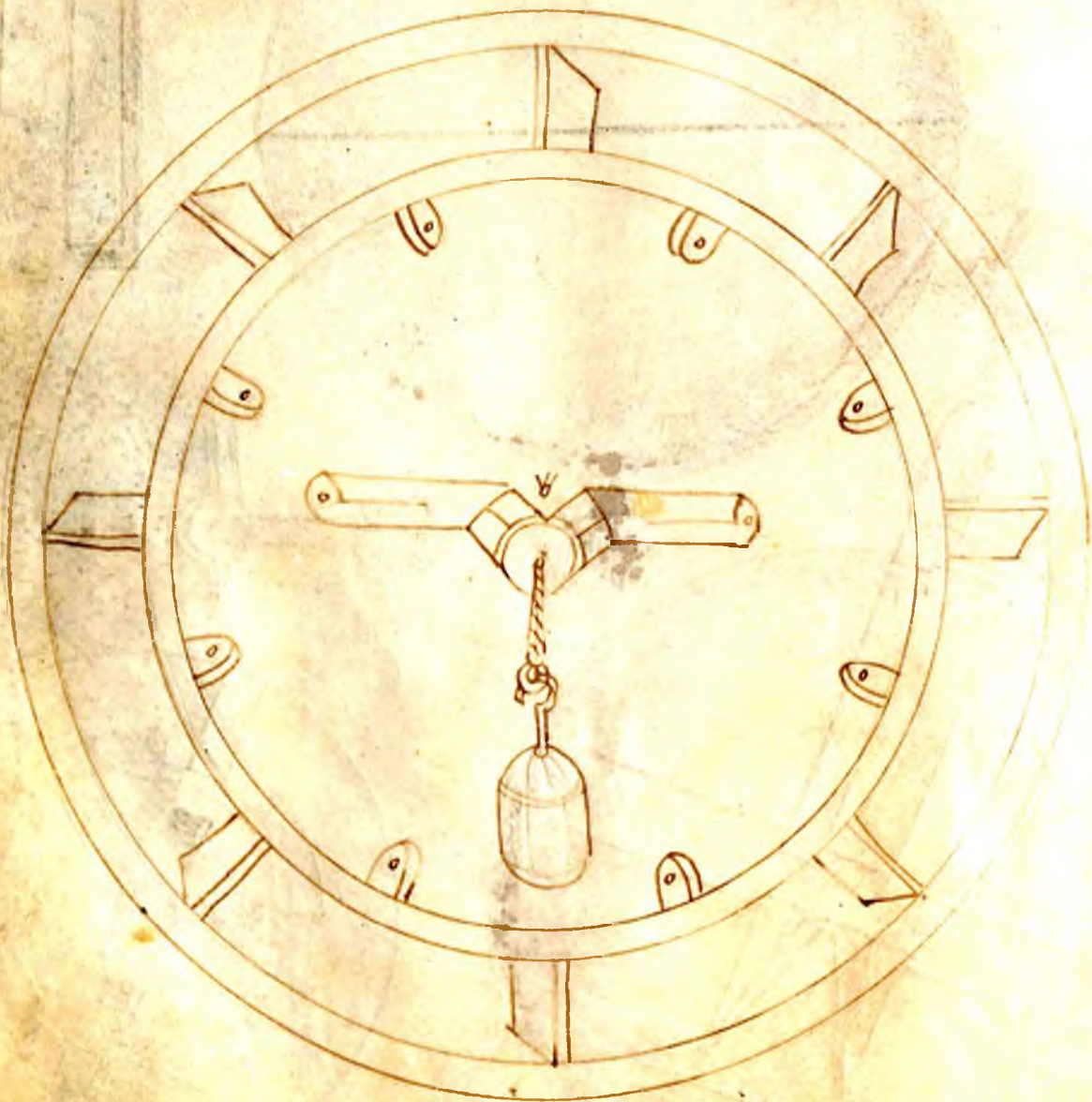
Faint, illegible handwritten text in the upper background.



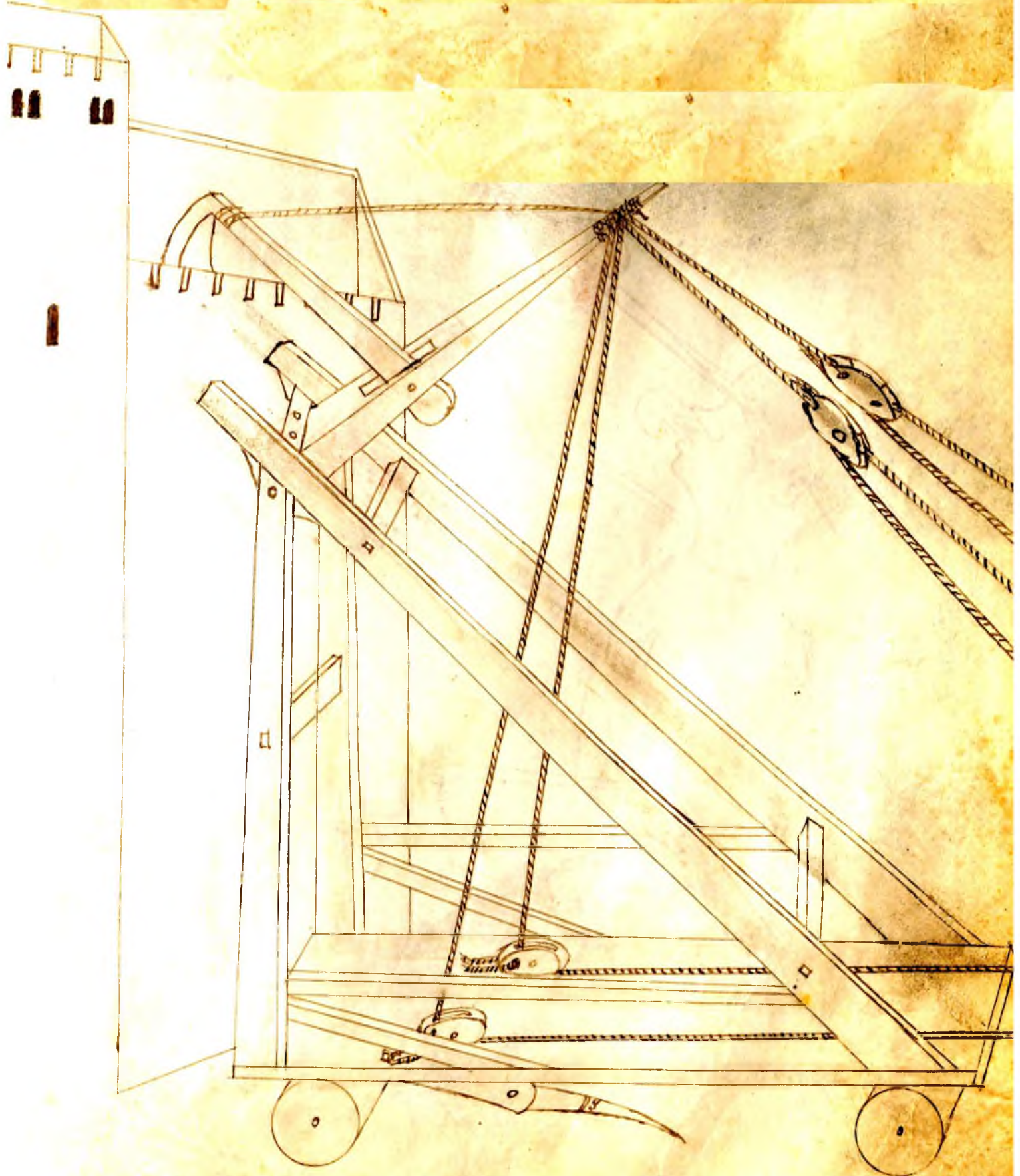


Ruina bellica opus hoc nominari uolumus quod  
nisi ruere sua uis fatiat nec paries sit que sibi  
resistere valeat.

† *[Illegible handwritten text]*



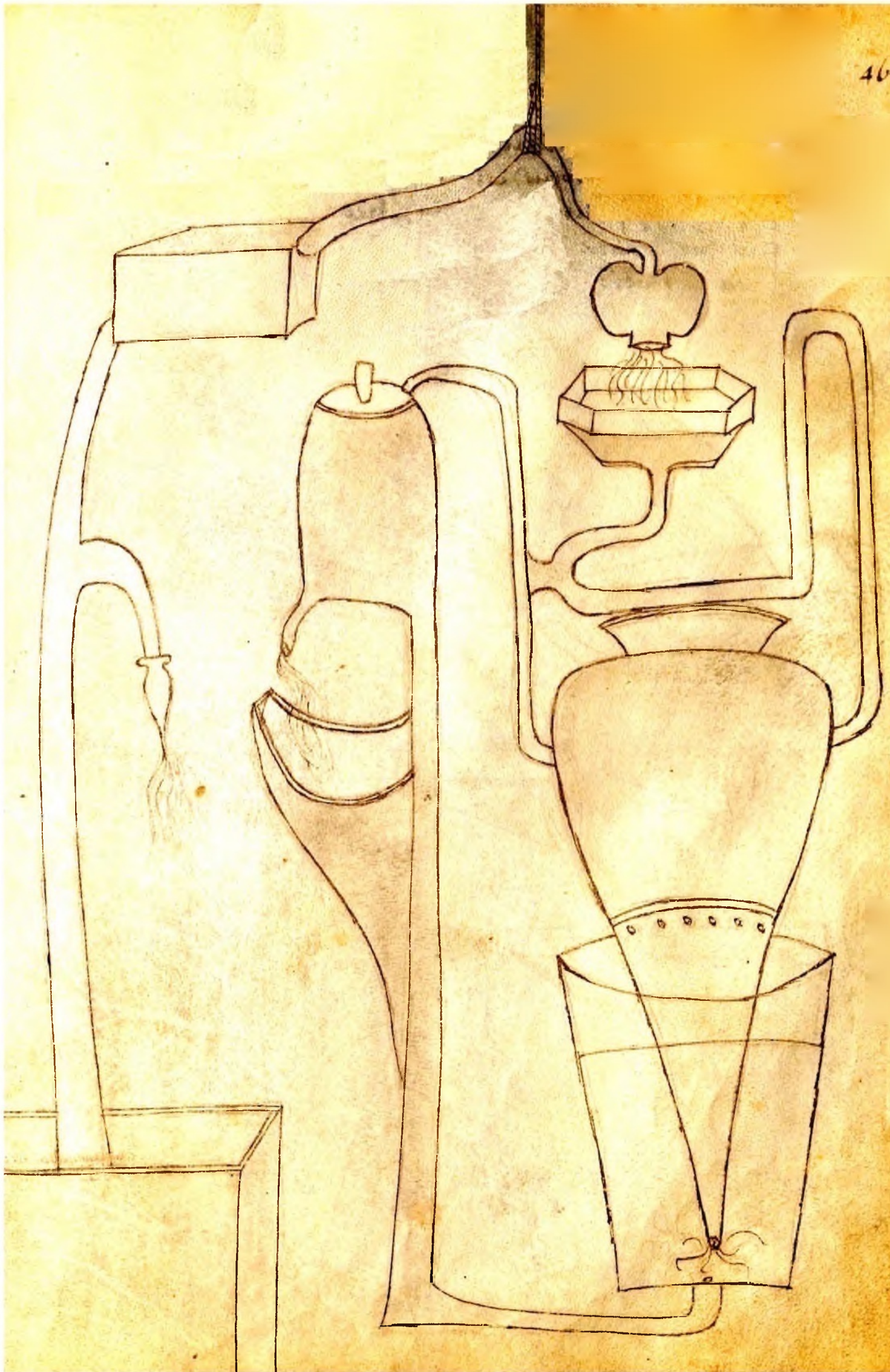






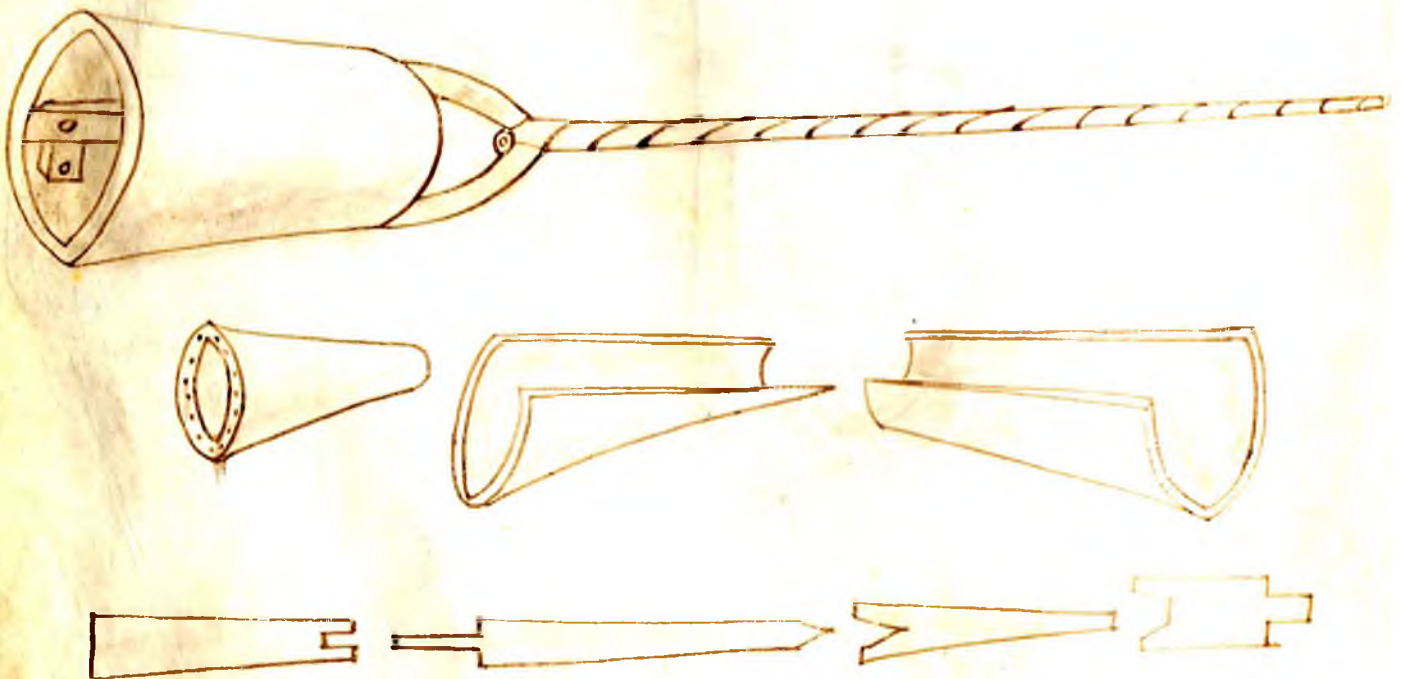




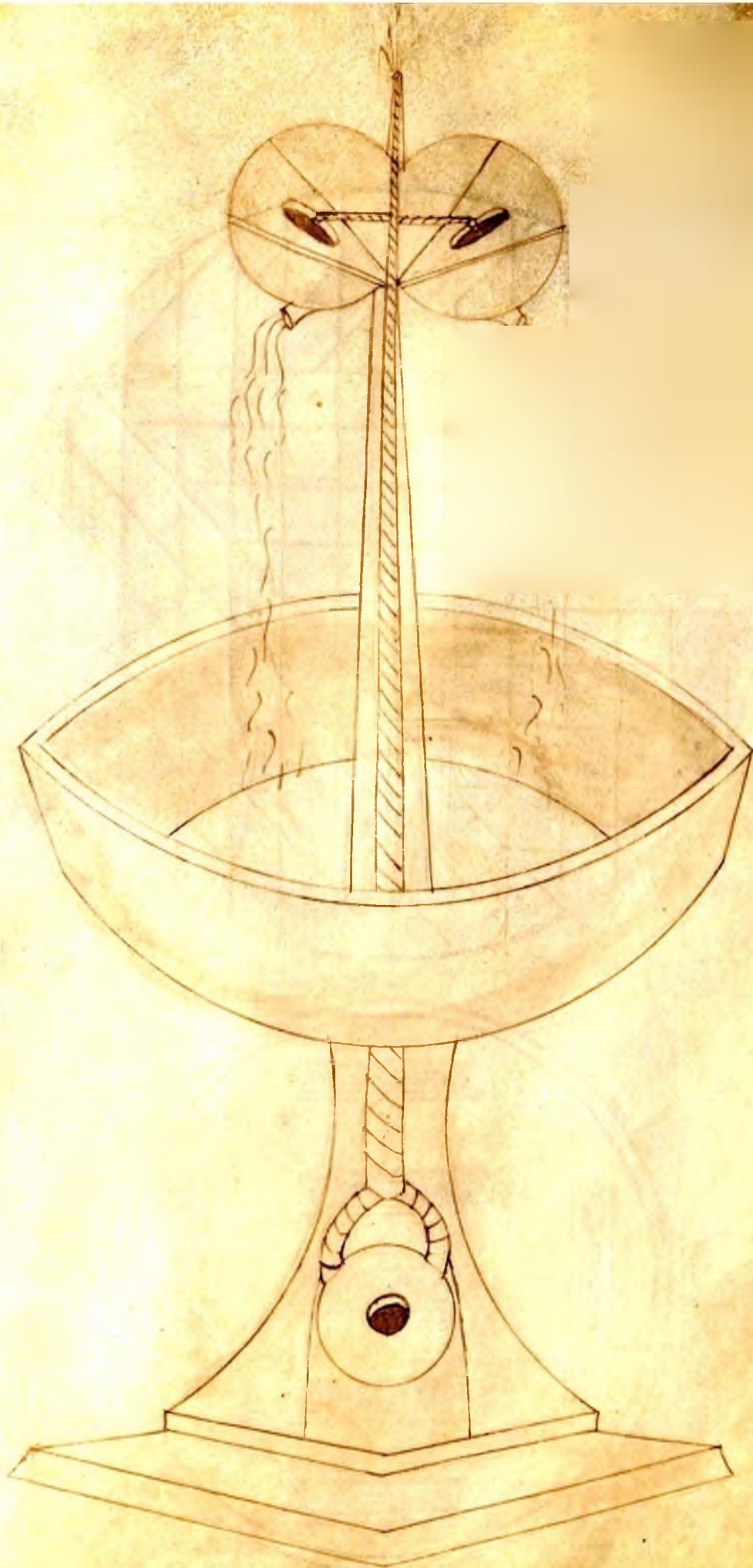




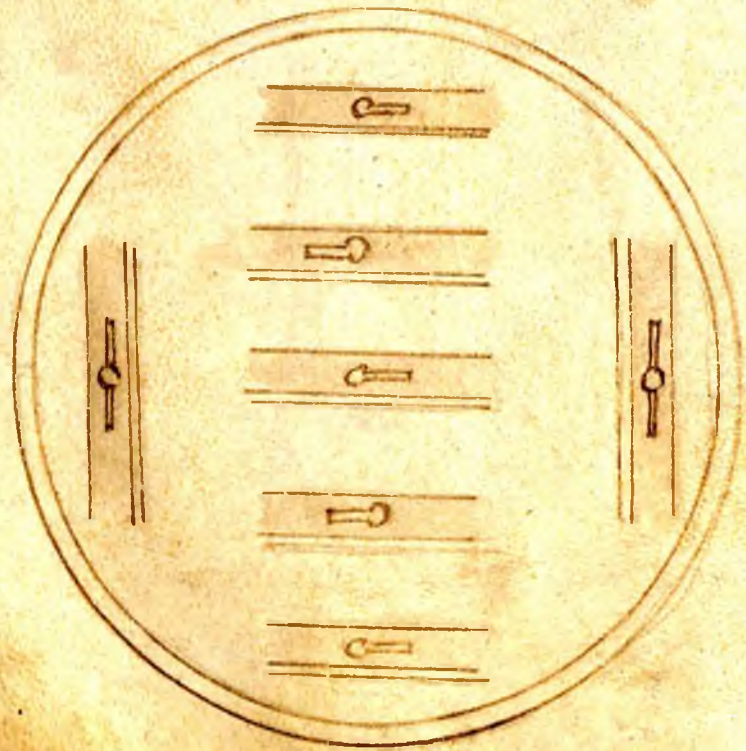
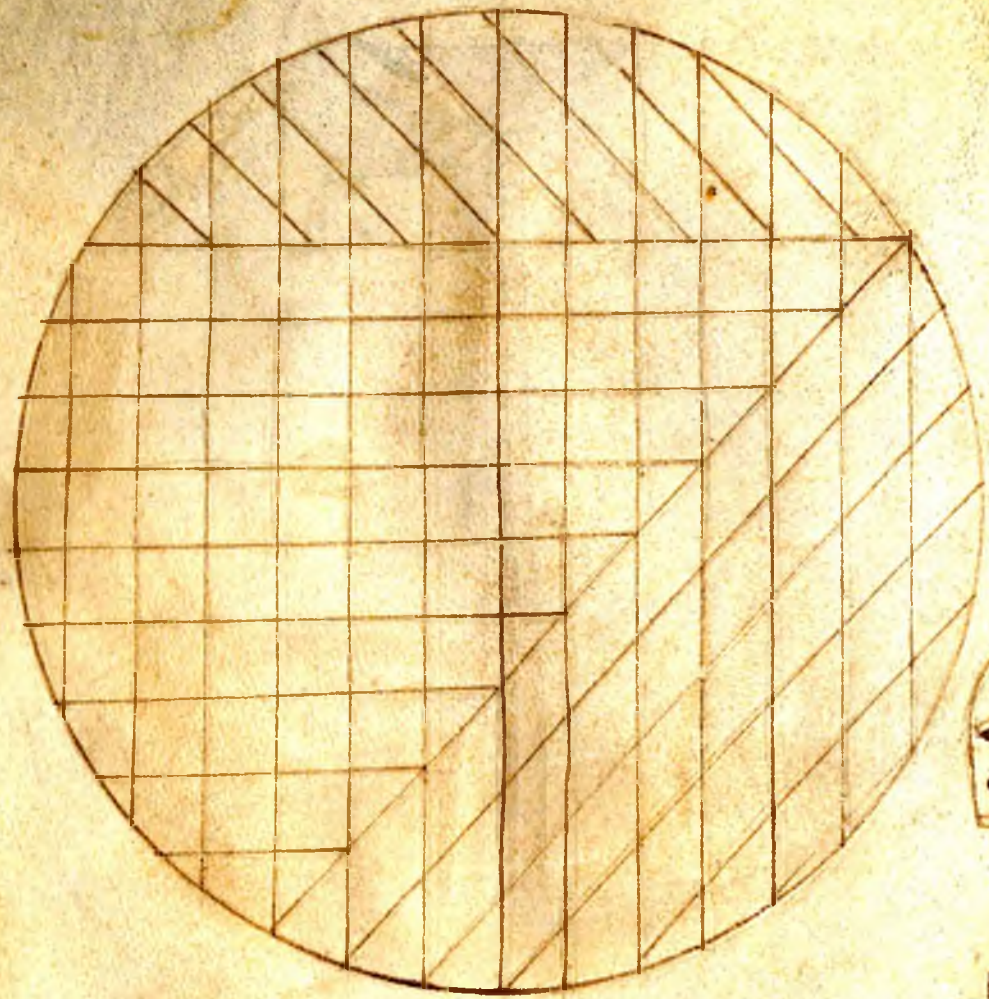
Fontes alibi dicitur qui hic figurantur.  
ille qui inscriptus est trahit aquas / qui uero  
sequitur expellit ingenium uero totum ab ipso de-  
scribitur. quare cum h quasi per se etiam pateat me-  
breuiaz fatio.















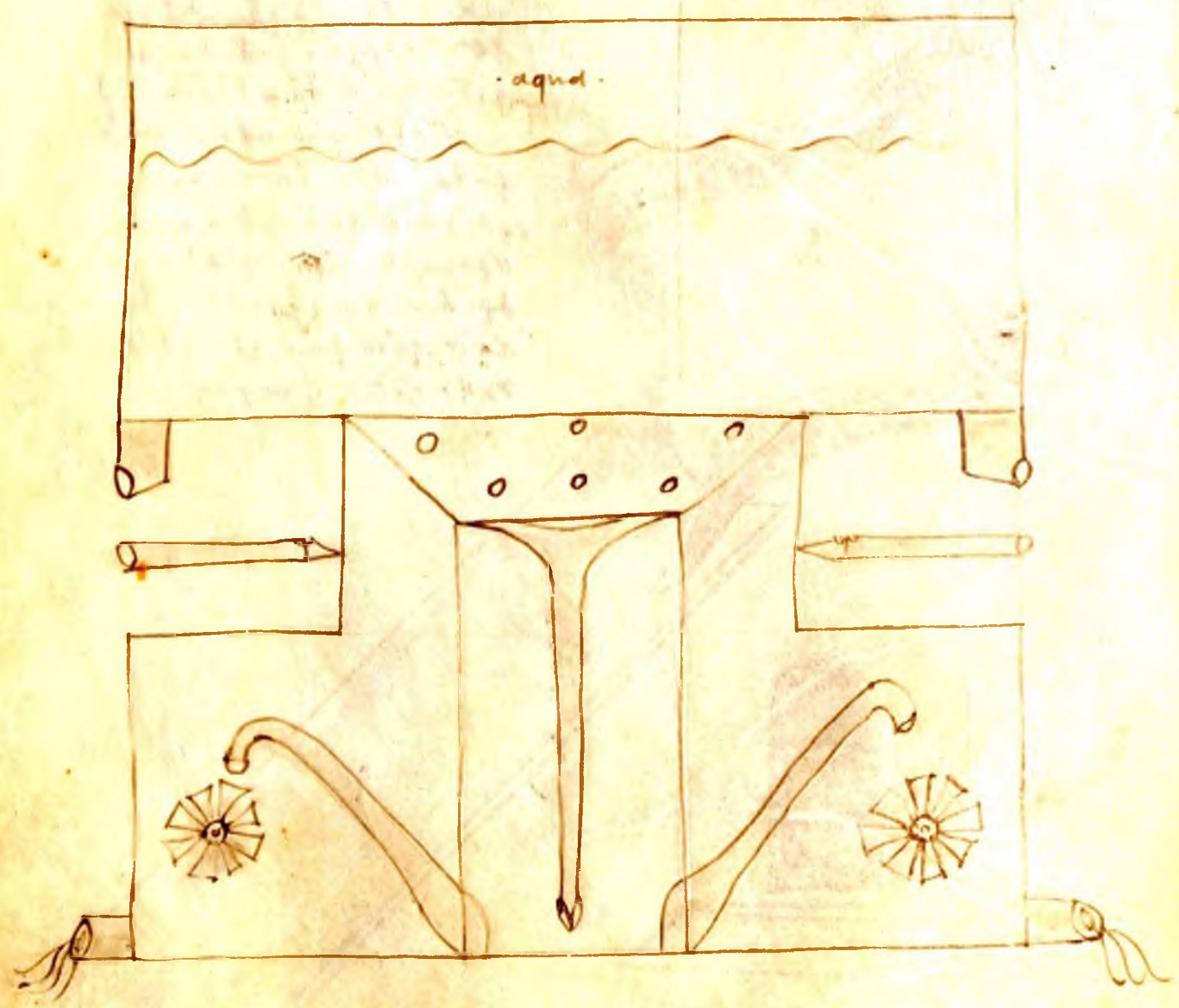
Serpentina tunc tot h  
 utilitates quot et linea  
 giratina que ad columnaz  
 apluratur ut i libello de  
 aque ductibus intula  
 to ostenditur.

Hic tamen una partiu  
 laris utilitas additur  
 do q q q d d o f q q q d d o q  
 o o o q d o d o q d o d o b  
 o f o q d q q d o q o d d o q d d  
 q q d o q o d o d d d d o o d p d  
 g d d d d d d q d d o d d o q o q p  
 q o d d d d q d o o d d o o d p d  
 o q d d d d d q q d o p d q d d q a  
 d q o a d a d o d q d d q d d d d  
 b f d q e q q d p d d d d d q d a  
 d a p q q d d q o d q d d q d d d d  
 o d o d d o d q d d d d d

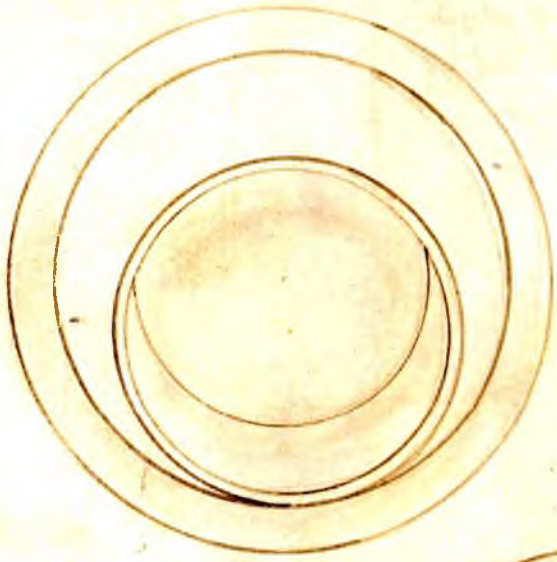
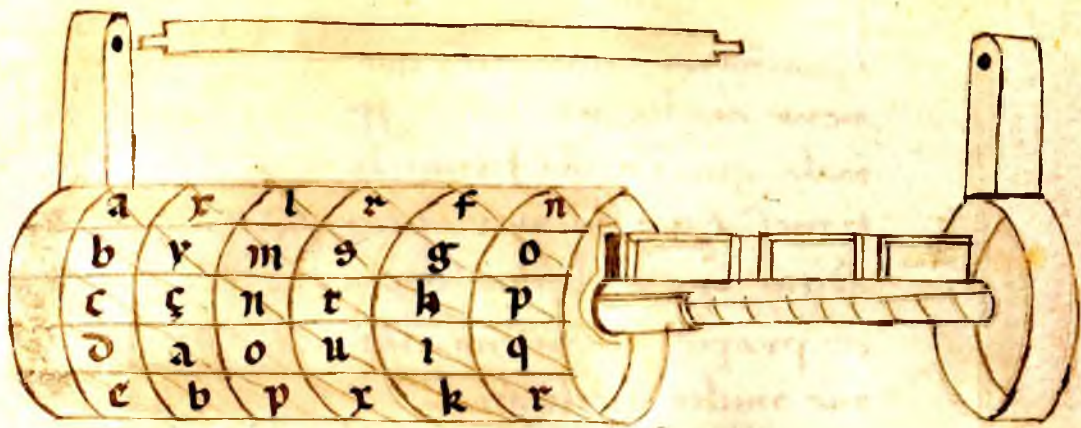
←



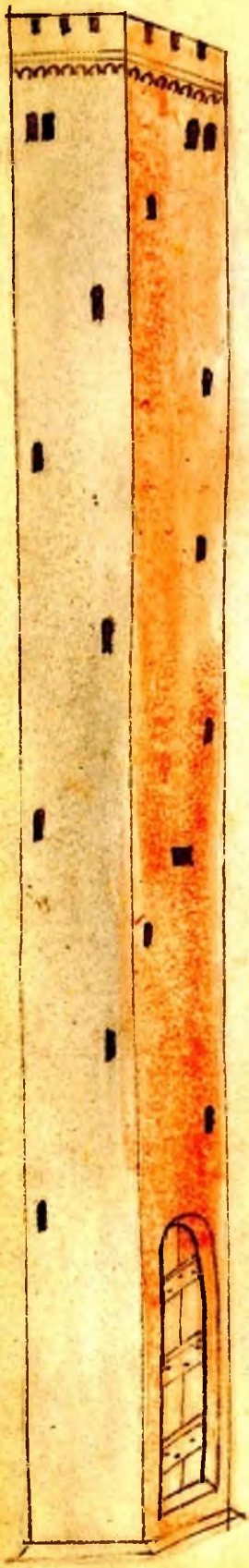
7  
 fistularum aquarum sonorum aqua  
 aqua aqua aqua aqua aqua aqua  
 aqua aqua aqua aqua aqua aqua  
 aqua aqua aqua aqua aqua aqua  
 aqua aqua aqua aqua aqua aqua





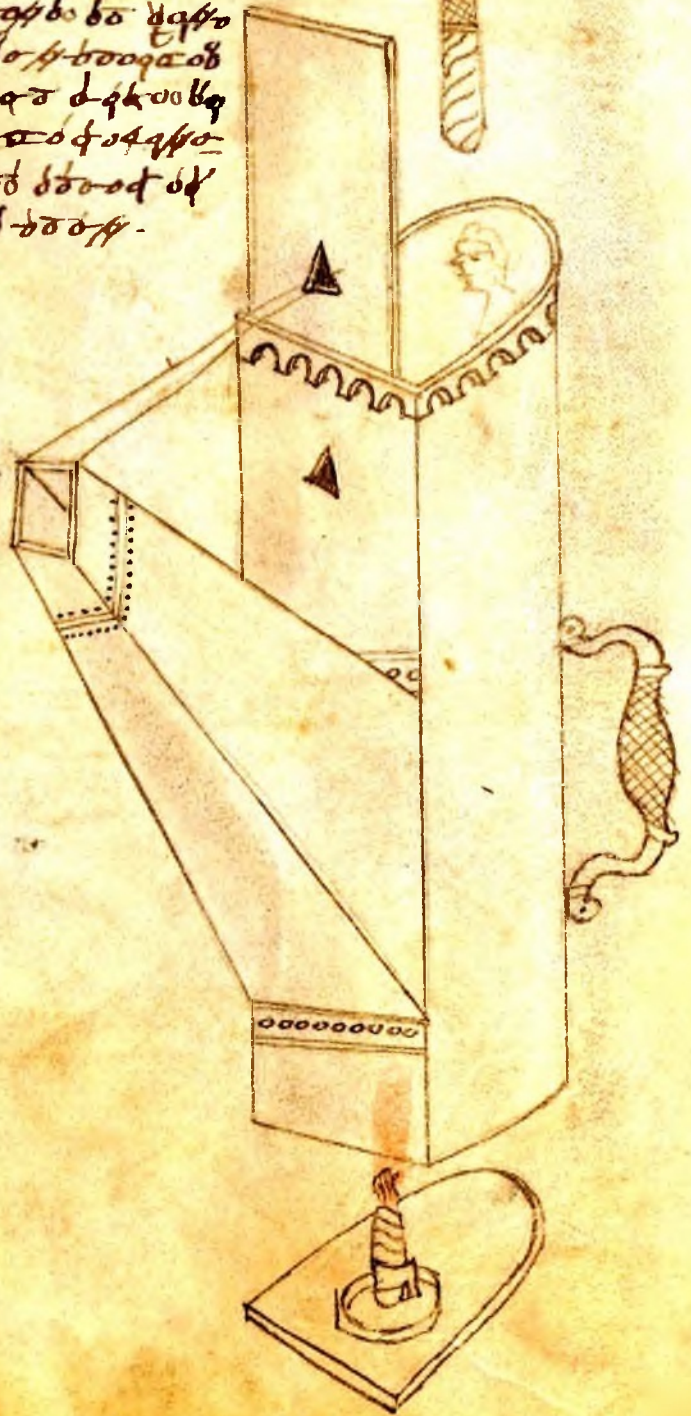






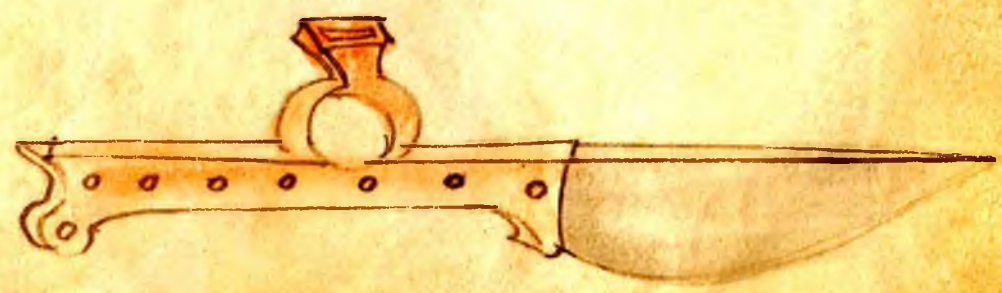
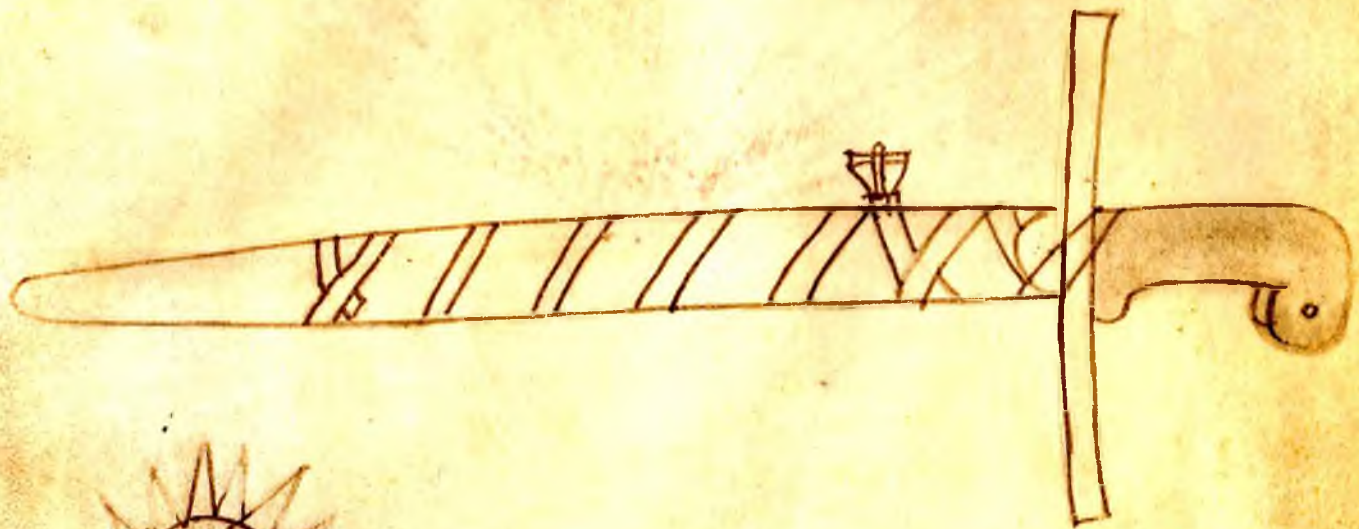
Luminariu nocturnu quo  
 nemo anglic uti potest pp  
 mala que cu illo faciunt la  
 trones. Ego uo parua cuz  
 aditio ipz ad bellica opera  
 et propie nocturna inc  
 mio multe utilitatis.

A - p p p o d o d e d o d q p b o b o d q p o  
 d o d b b b d d b b b o p b o o q a o b  
 o a p o d d o o d o q d d q k o o b q  
 d a b o o o p p o d o o d o d q p o  
 f b o p p o d q q d d o o d d o o d d f  
 d q d o d o q o d p d d o o p p .

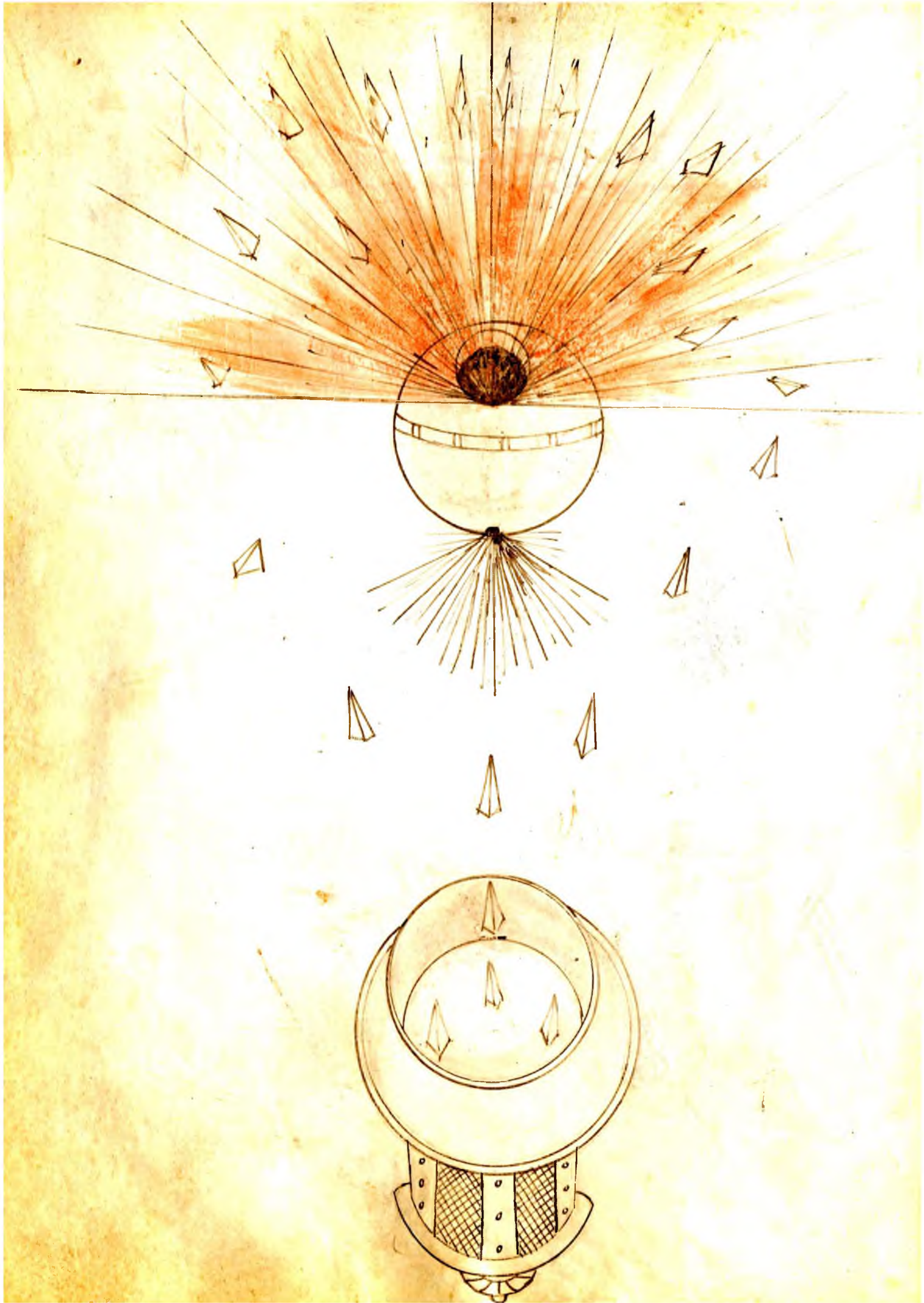




7 Οα δοφο κδατο δαυα βγαρο δαδατο δουτα φά  
ροδ σολοτ δαοδ ρετδφορτο σολδ δαυα ορ βγ  
αδδβο φαο φαβο σ ορδδσασ δο δαφοροφαυ













Monofcalus opus  
padd-afsooa-paddel  
soo p d f q q b

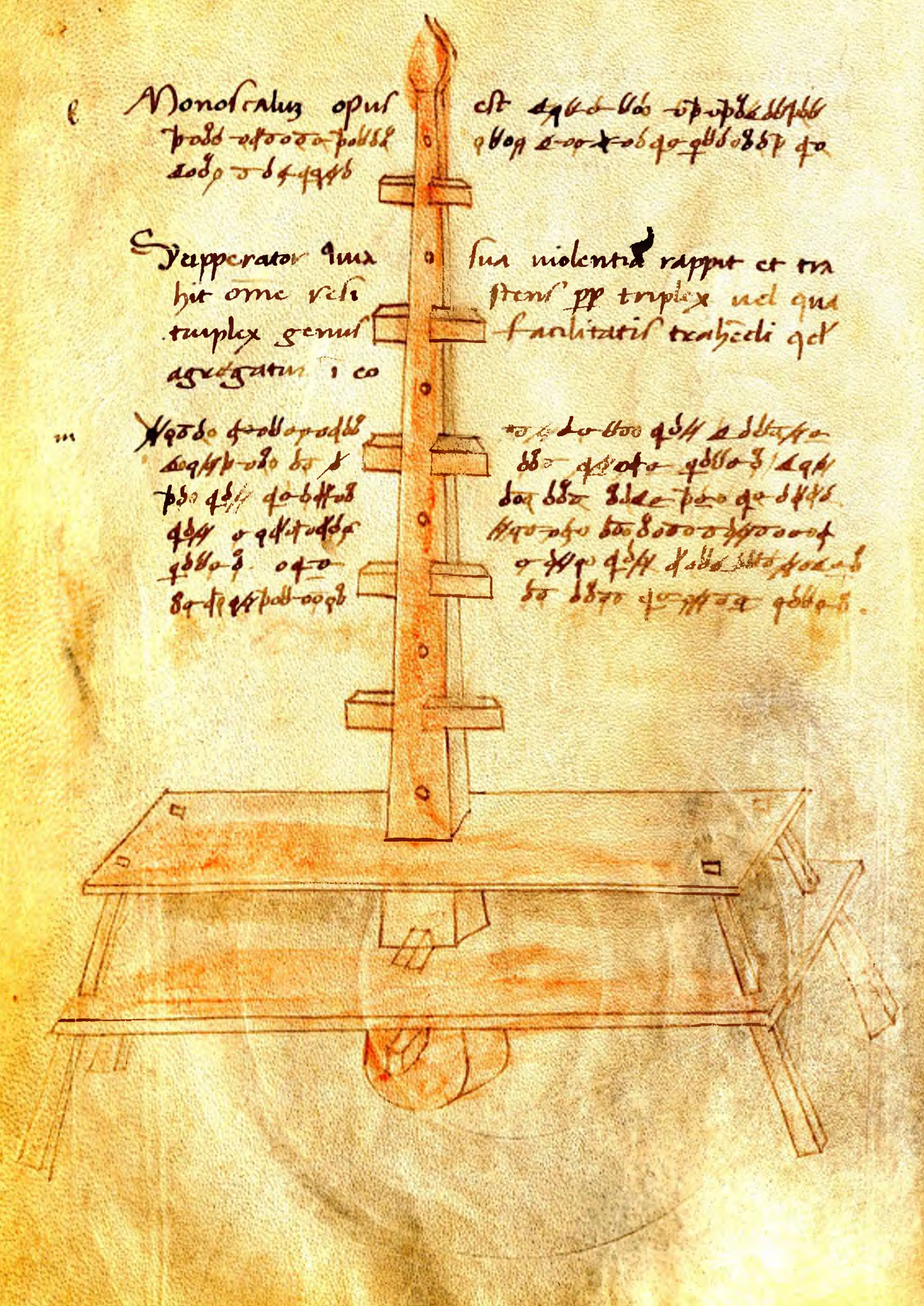
est d q b d b o o p p d e d b f b b  
q b o q d o o x o b q o q b b o b b p q o

Supperator quia  
hit omne reli  
tuplex genus  
agregatur i co

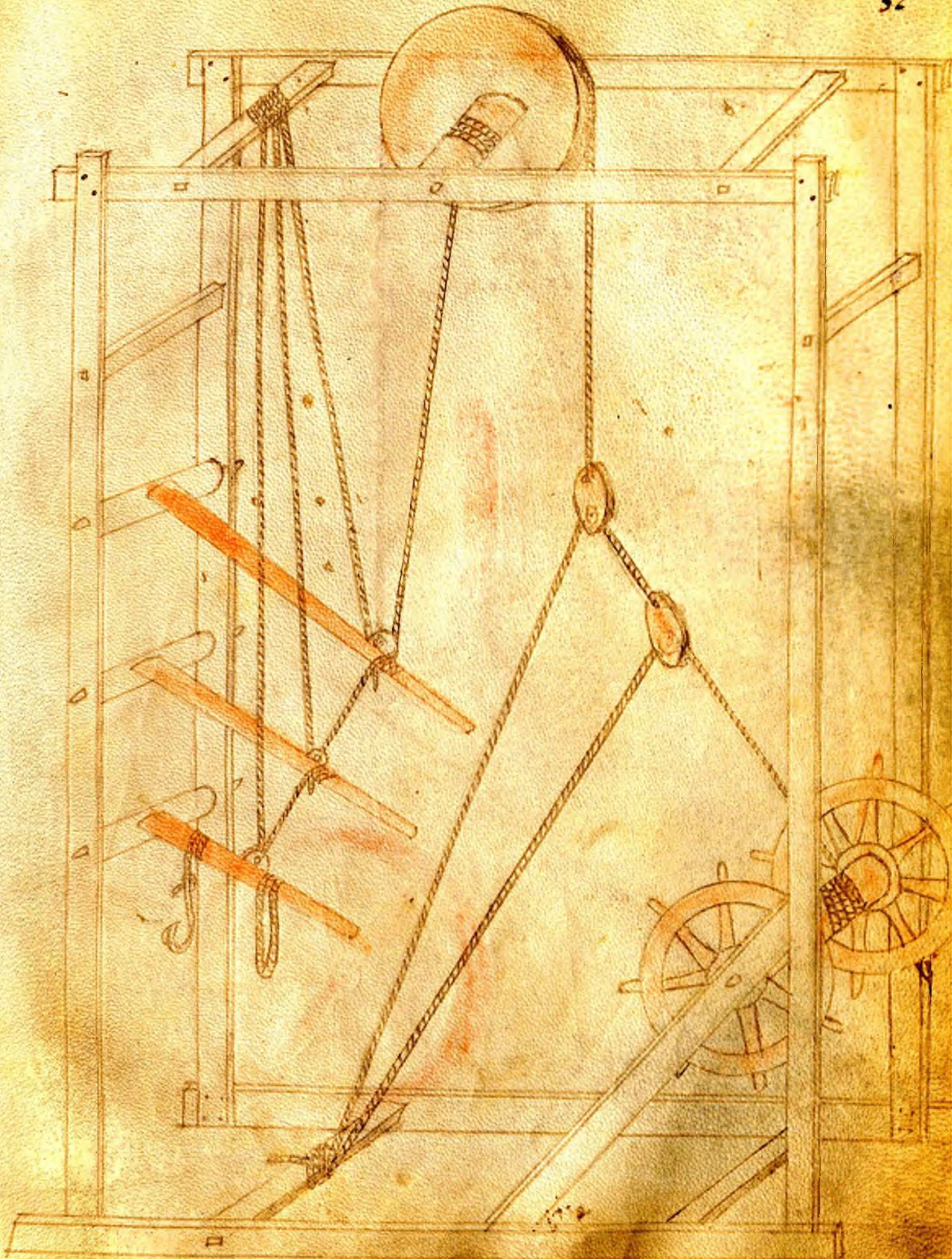
sua violentia raptat et tra  
stent pp triplex uel qua  
facilitatis trahedi qel

iii  
X q o d o q o b b o p o d b b  
d o q b p o b o b o x  
p b o q b p q o b b f o b  
q b p o q b f o u d b o p  
q b b o p o q o  
d o q b p o b b o o q o

o q b o b o o q b p d b b a p o  
b b o q b o t o q b b o p d q b  
d o a b b o d b d e p o o q o d b p b  
H q o p b o b o o d o o o p p o o o o f  
o q b p o q b p d o b b o b b o p o d o b  
d o b b o o q o p p o a q b b o p b



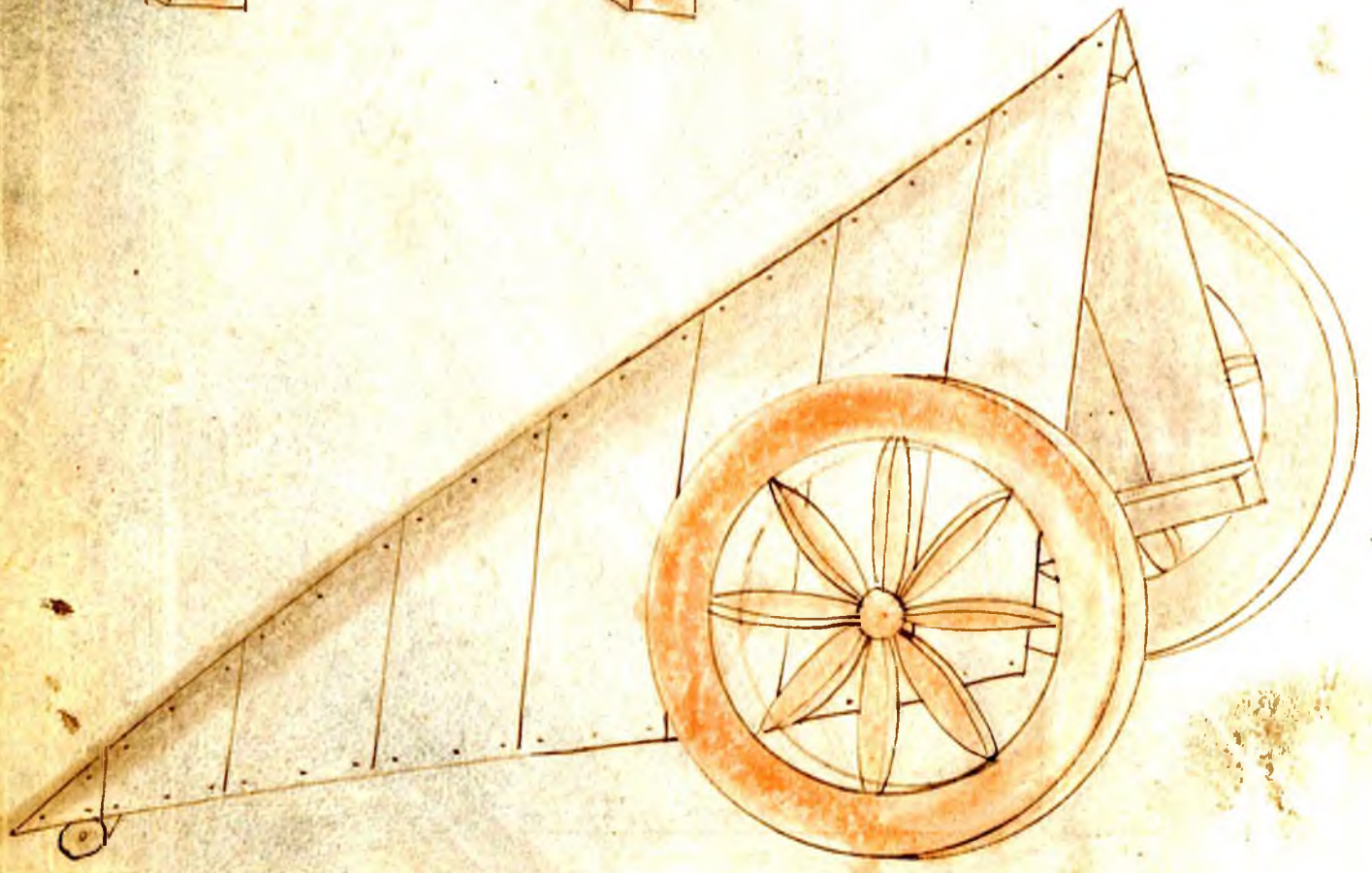
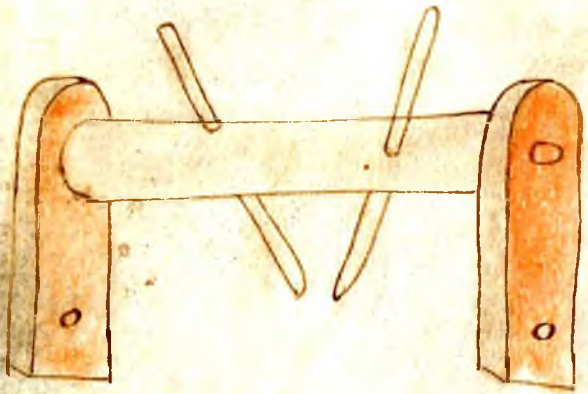




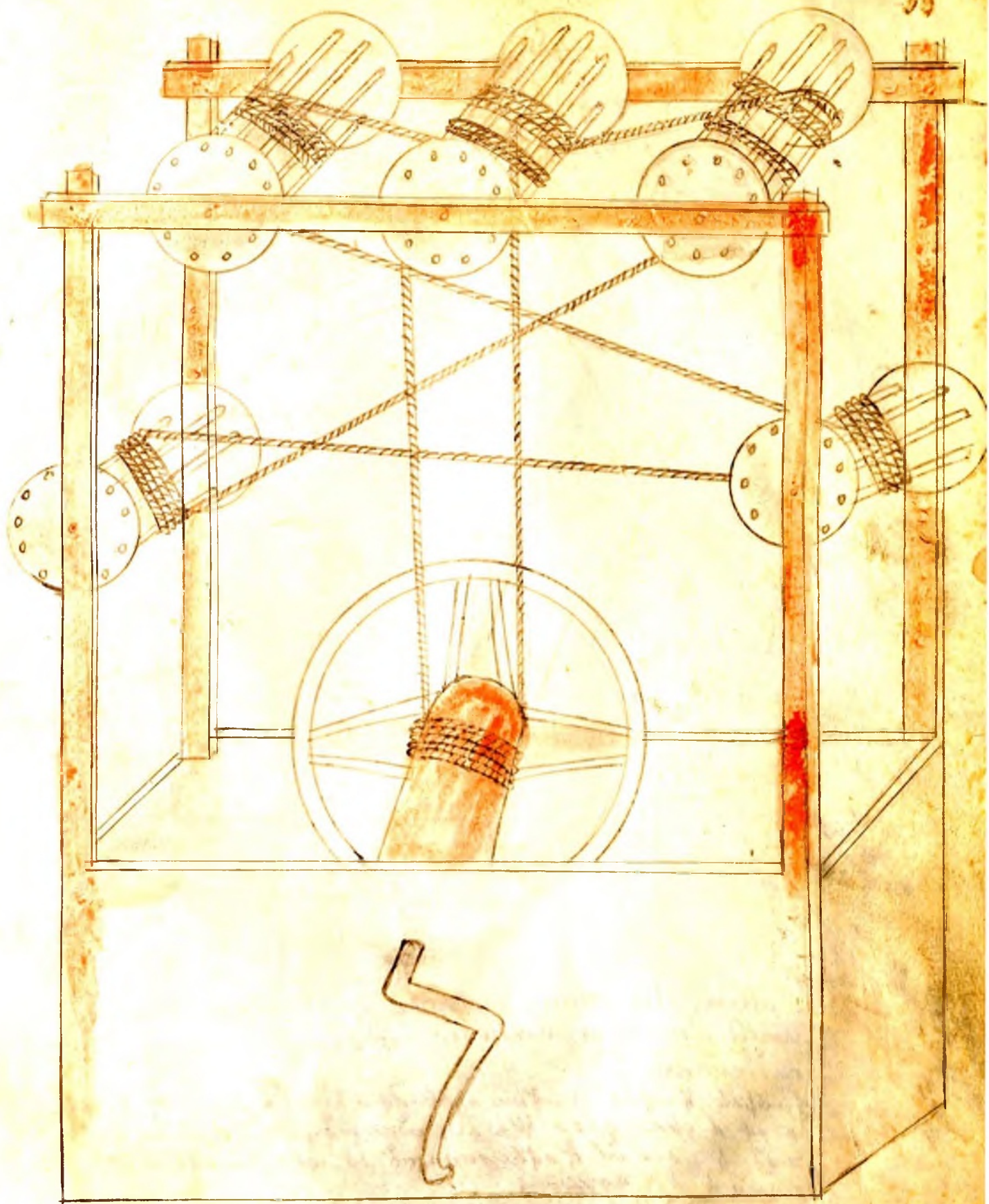


Tutus i bellis ordinibus sepe requiritur et prope  
surdus et tacitus.

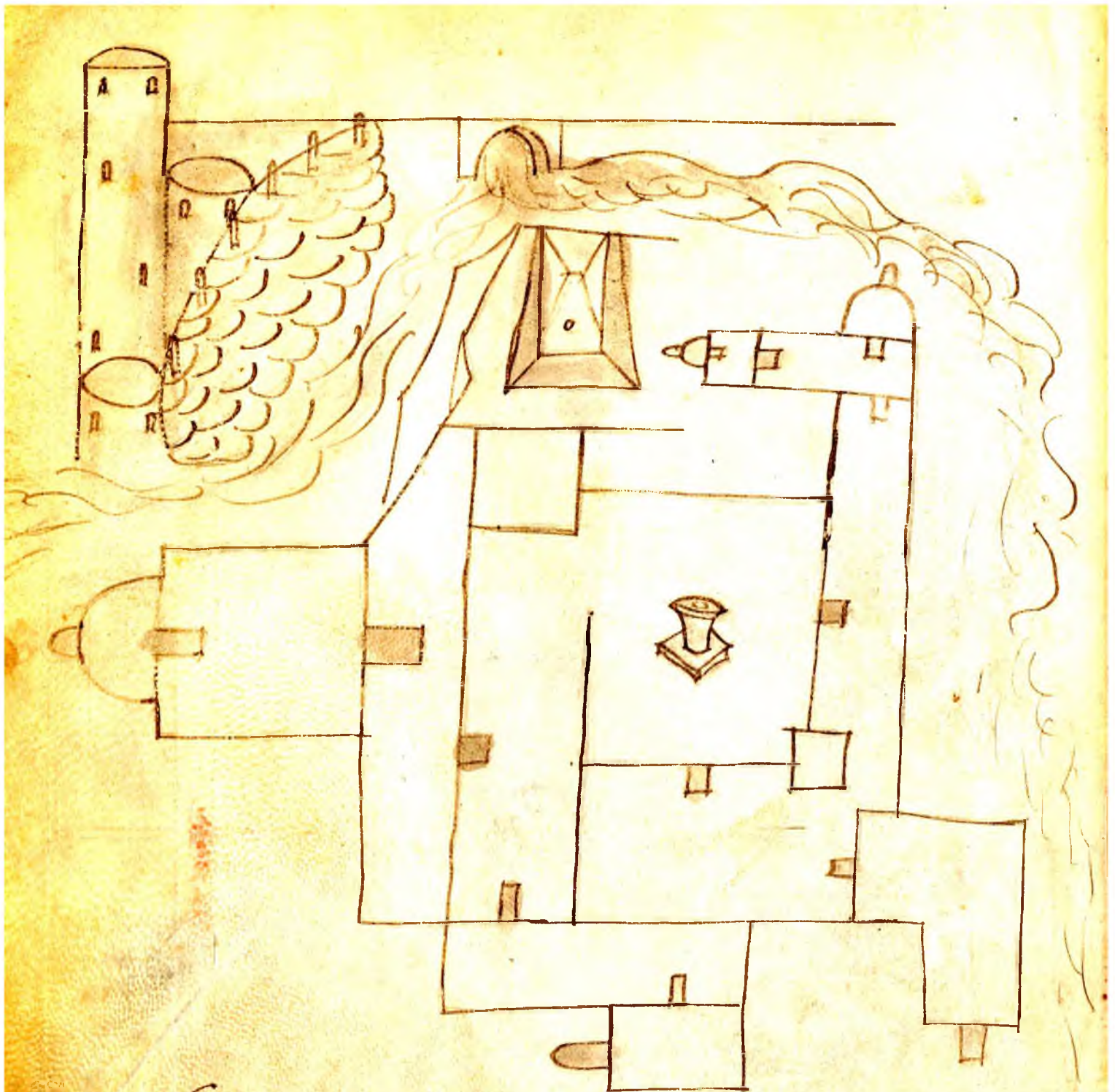
Handwritten text in a cursive script, likely a continuation of the Latin text above, though the characters are difficult to decipher due to the style and fading. It appears to be a list or a series of instructions related to military or engineering matters.











Castrum deceptionis vocatur quod cum qui ingressi  
 vicisse cupiant vincuntur et afugere recedant  
 caventur

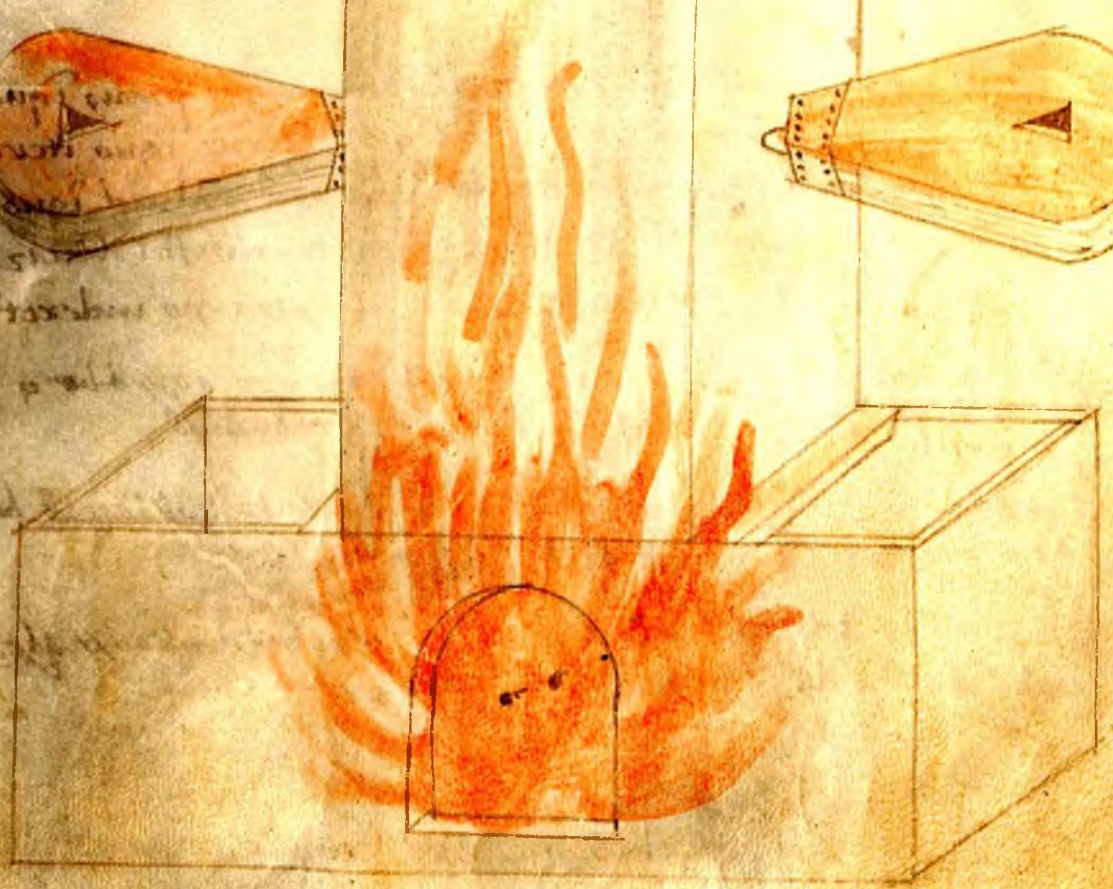
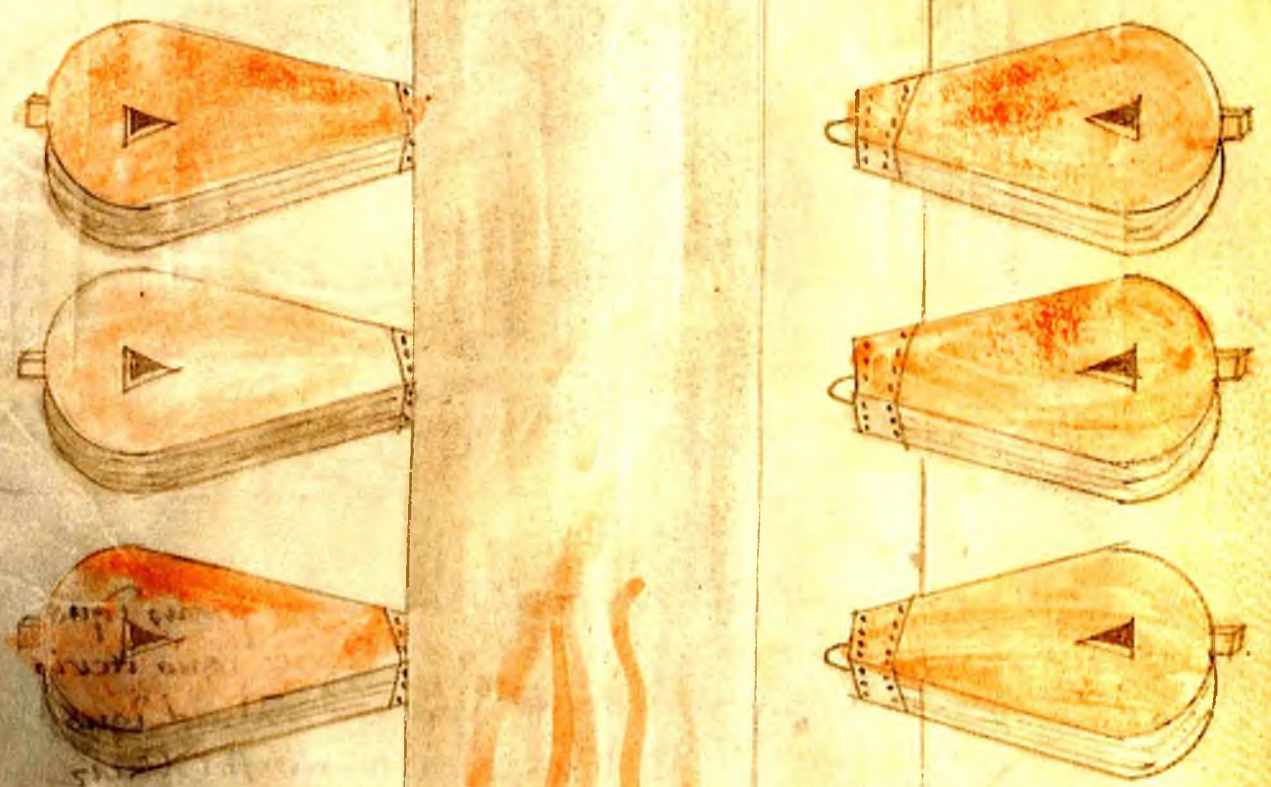
4

400000 400000 400000 400000 400000 400000 400000 400000  
 400000 400000 400000 400000 400000 400000 400000 400000  
 400000 400000 400000 400000 400000 400000 400000 400000  
 400000 400000 400000 400000 400000 400000 400000 400000



Δ fornarx oop pof d'opbb  
 f-ogd'og'og' qd'o  
 o'og'og'og'og' f'od  
 d'og'og'og'og' d'f  
 d'og'og'og'og' p'g

q'og'og'og'  
 o'og'og'og'  
 o'og'og'og'  
 a'og'og'og'

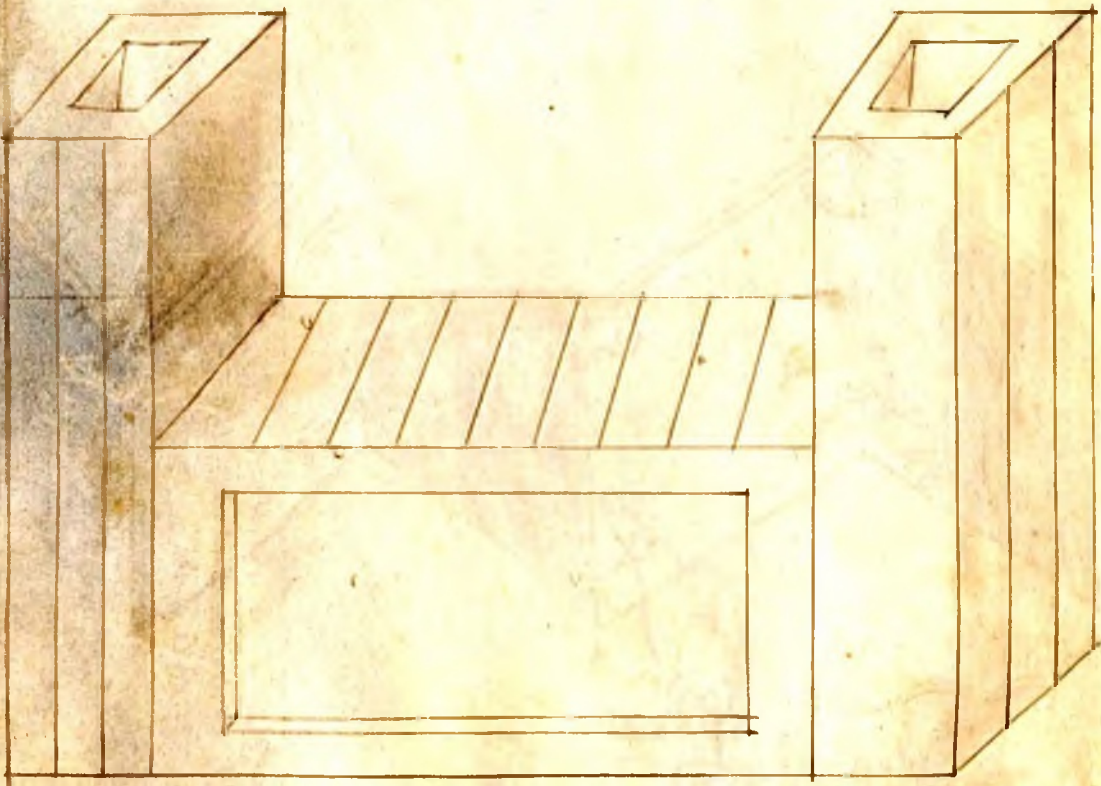
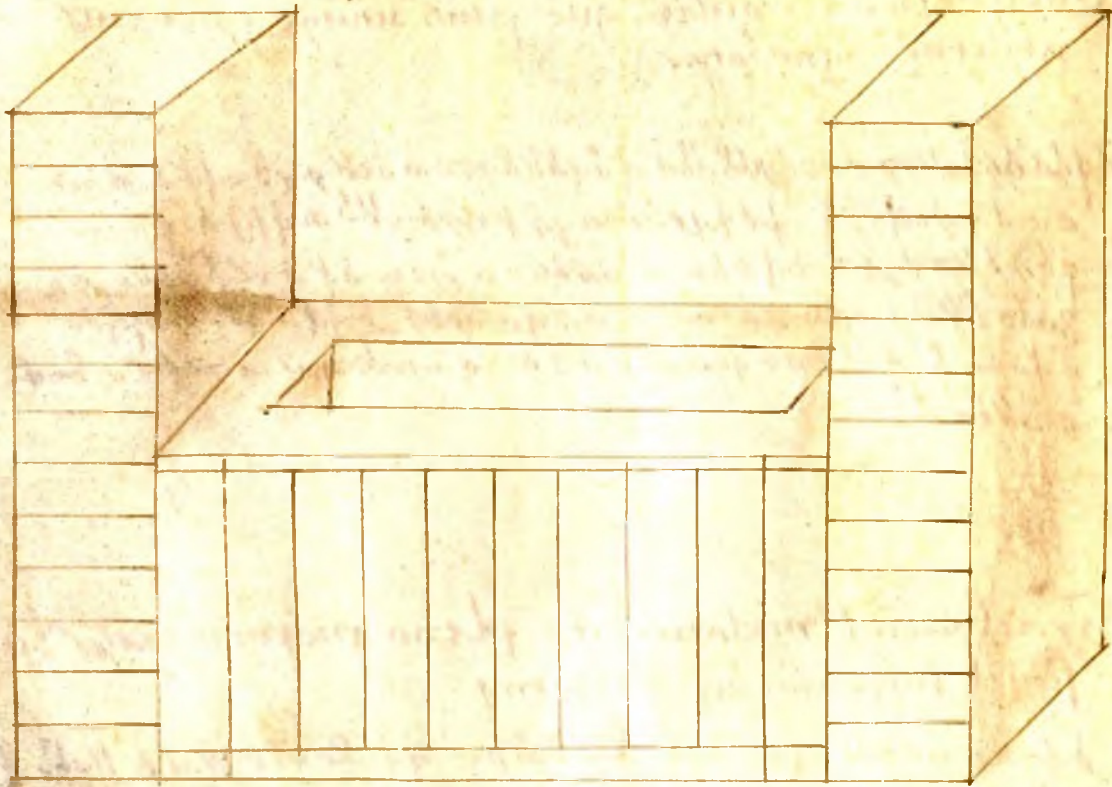


51  
 f'og'og'og'og'  
 p'og'og'og'og'









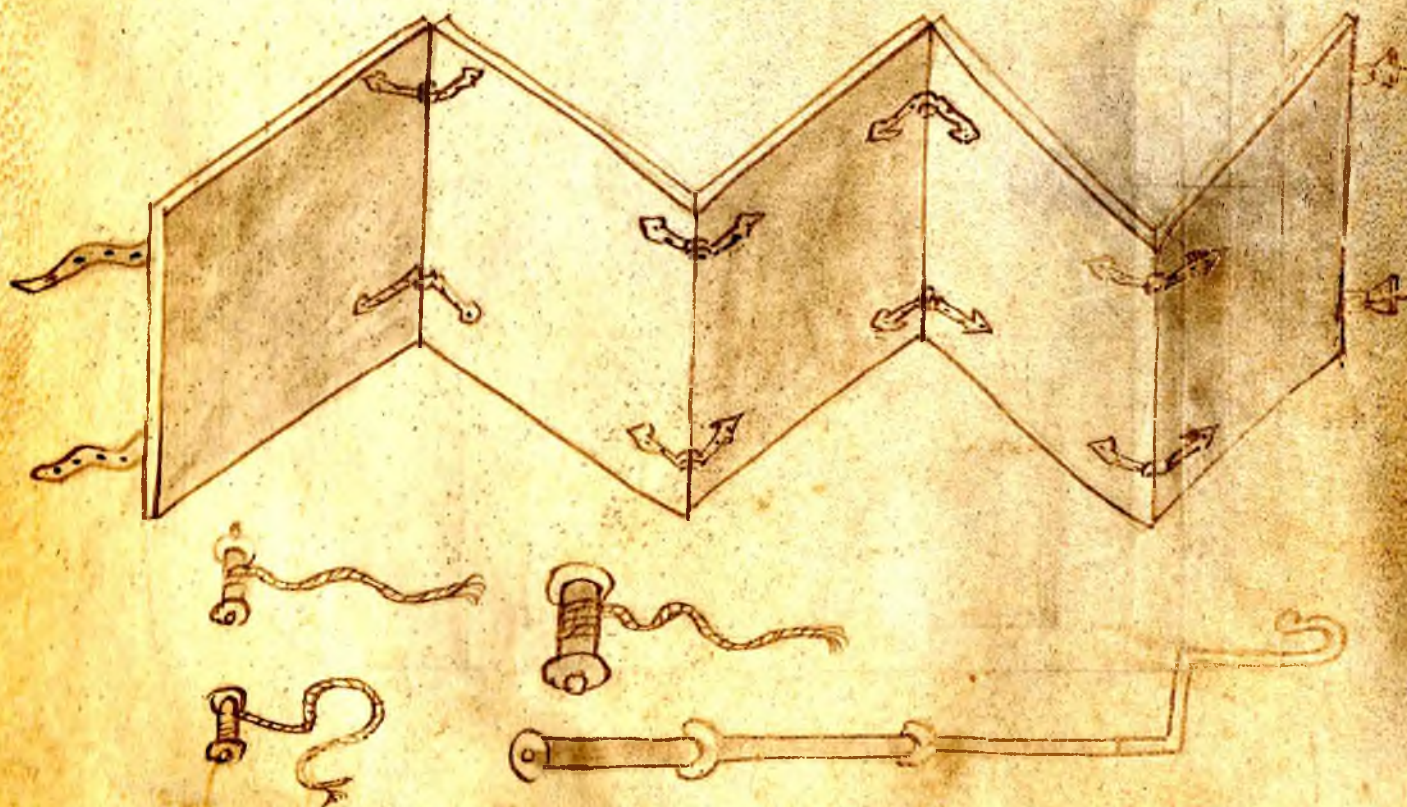


Subsponsorium regulare quo panni utitur quia eius  
 utilitas ignoratur

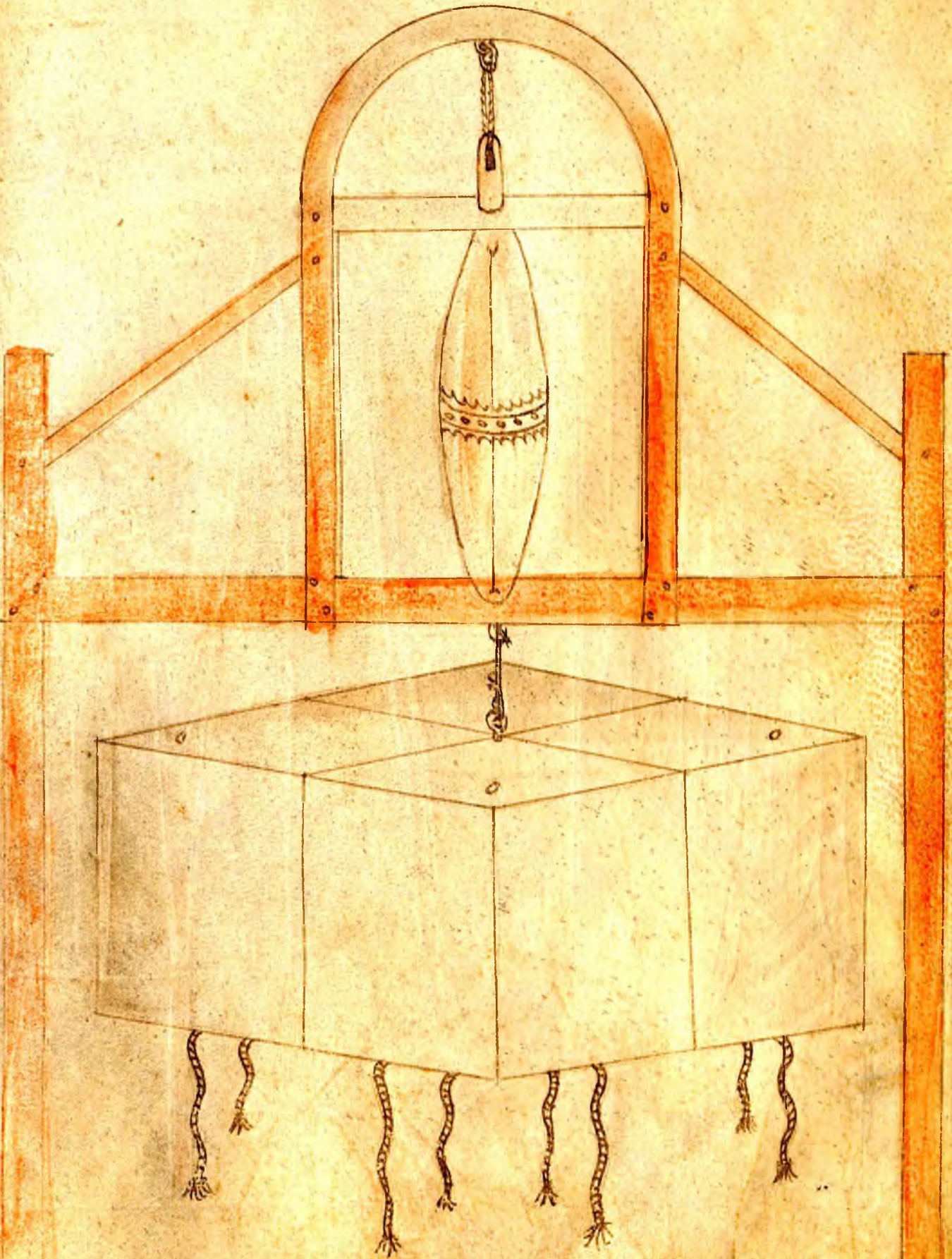
Subsponsorium regulare quo panni utitur quia eius  
 utilitas ignoratur

Graduarius nodatus ita plano proportionalis est  
 sicut subsponsorium altitudinis.

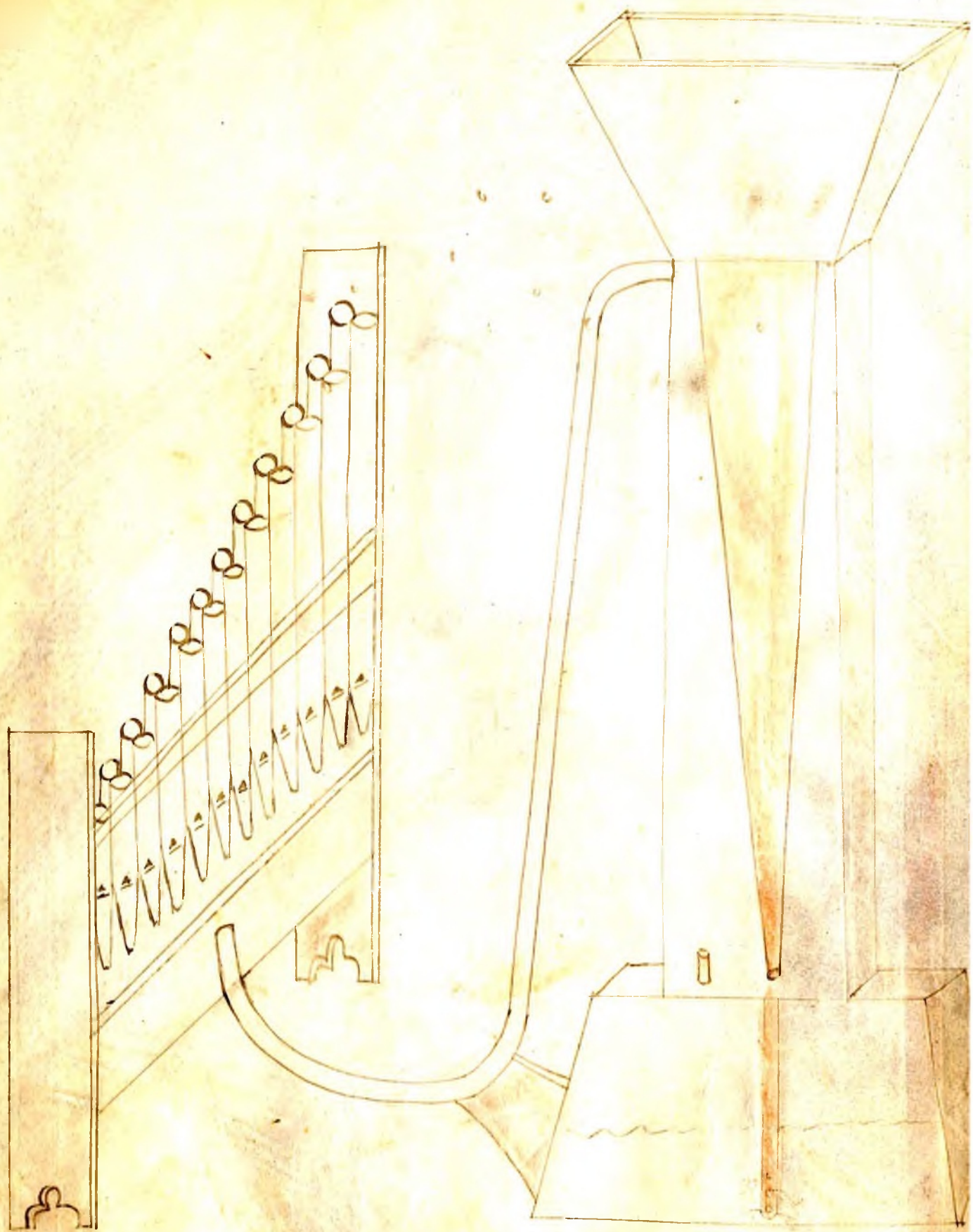
Graduarius nodatus ita plano proportionalis est  
 sicut subsponsorium altitudinis.







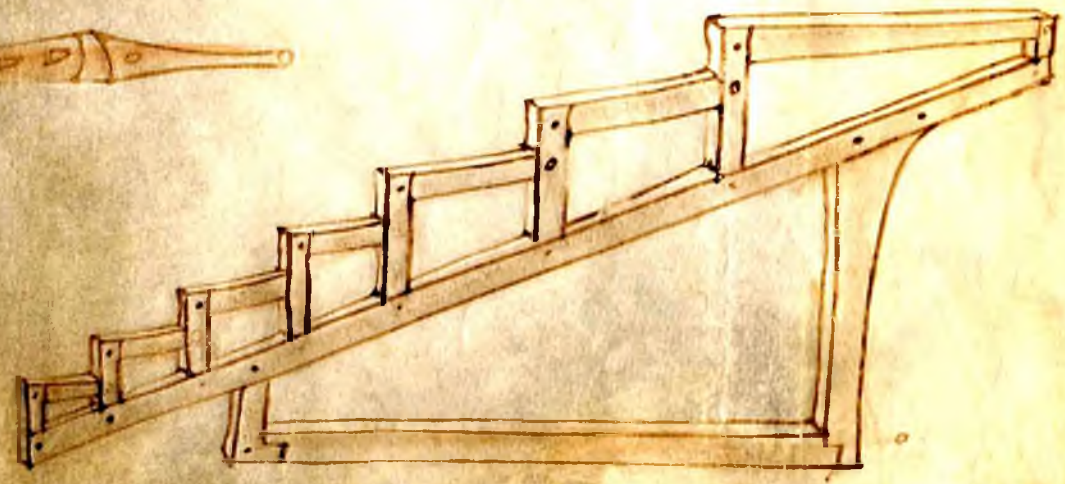
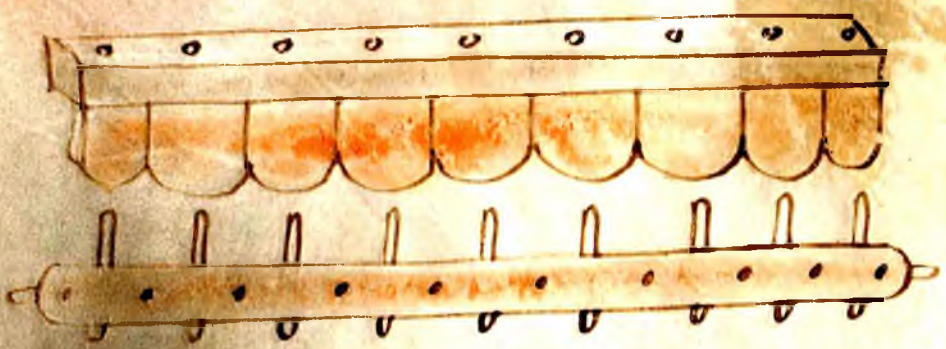






Folles ad organa suspende unitatis qui nūcluz di  
nulgati sunt sed nupper per me inveni spiritus ha  
buntantiam habent et uniformes.

Handwritten text in a cursive script, likely a continuation of the Latin text above, describing technical details or materials. The text is dense and difficult to decipher due to the cursive style and some fading.





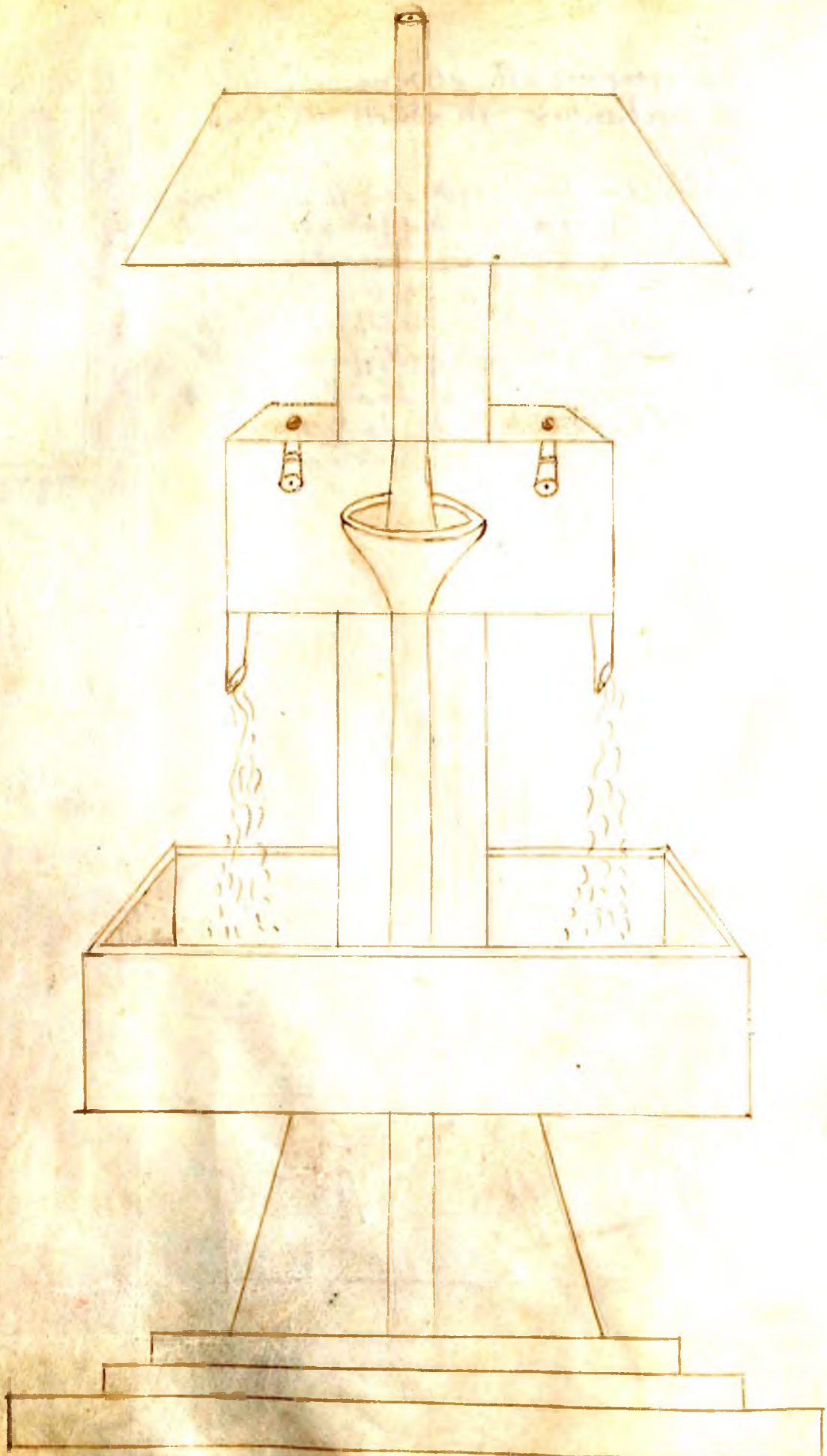
Volubilis rota. *[Handwritten text in a cursive script, likely a historical or technical description of the device shown below.]*







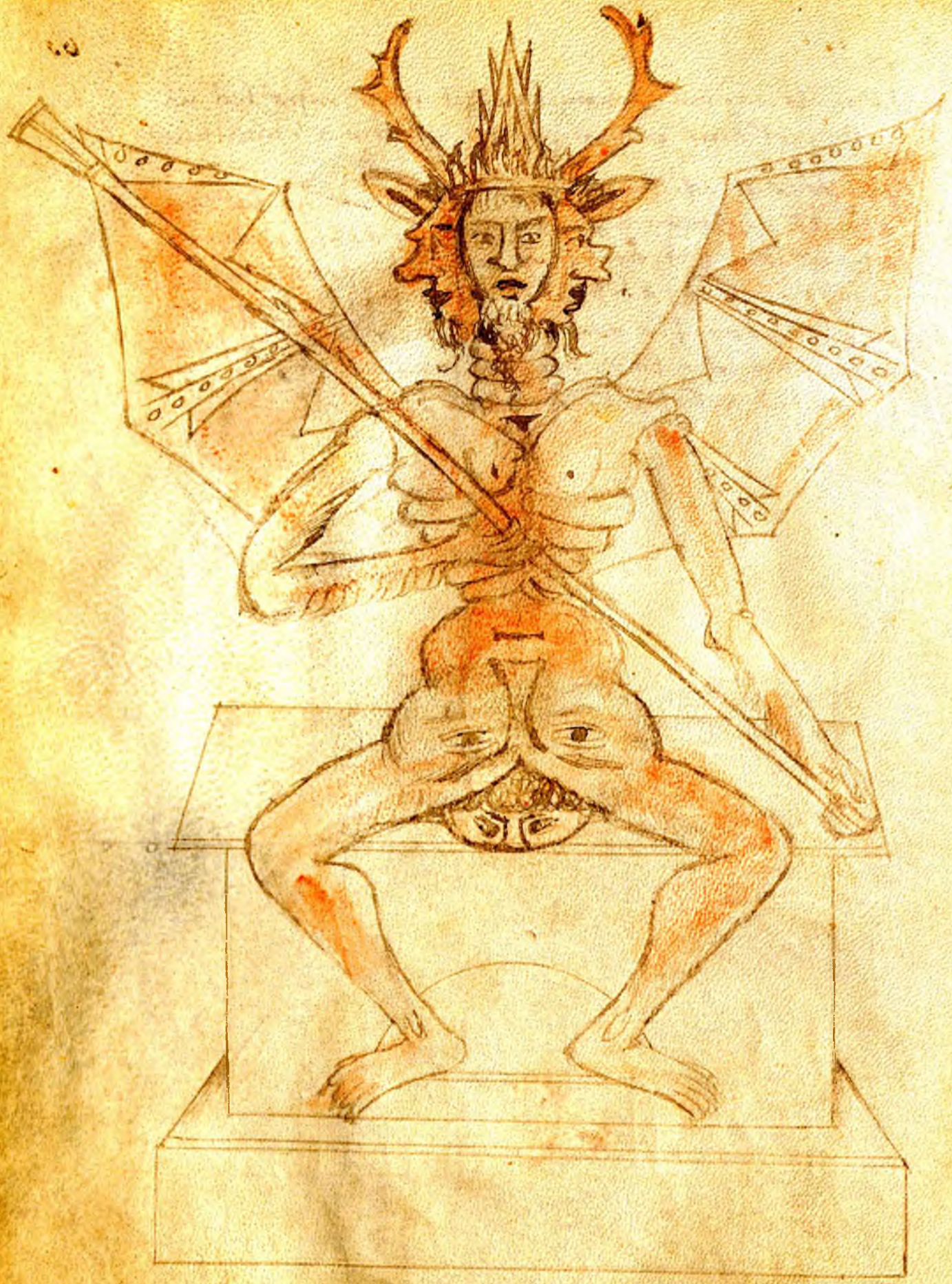








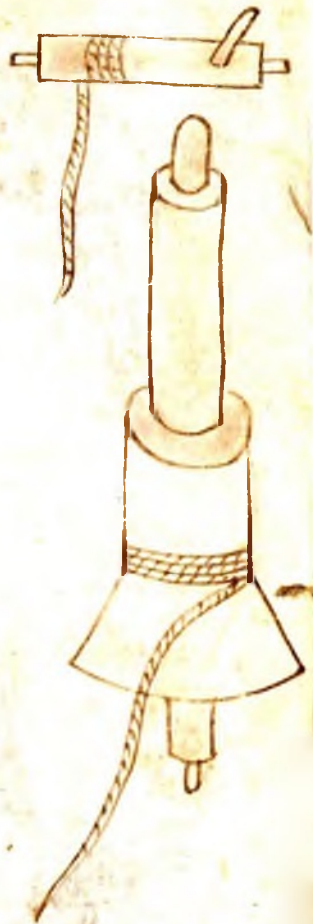












Ժողովարտն զոմ ծղղկոքի և զգրեզնի և զմարմնի և զ  
 և զսրտի և զմարմնի և զգրեզնի

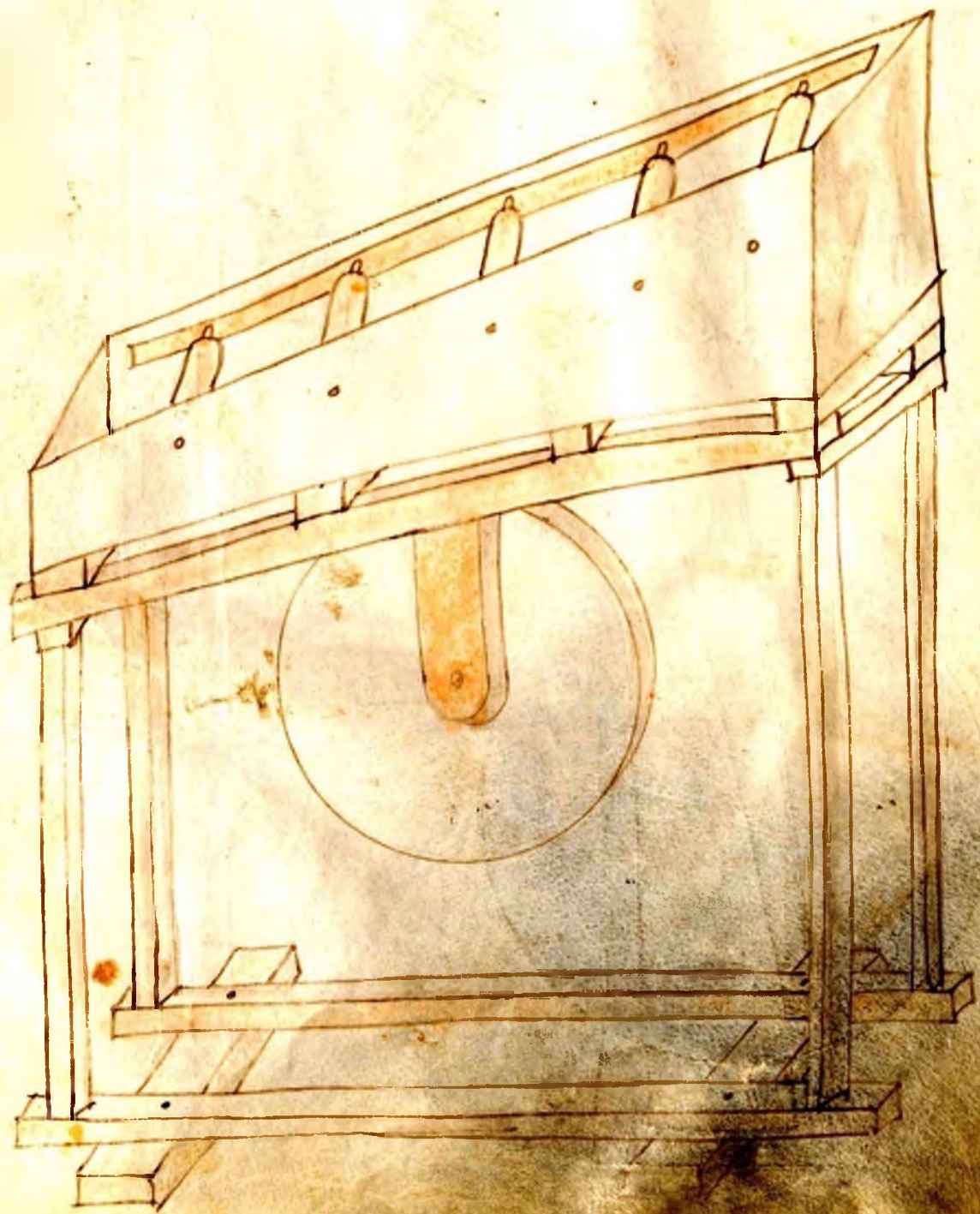
Գլխի և զպարանոսի և զմարմնի և զգրեզնի և զմարմնի  
 և զգրեզնի

Բնական և զարտի և զսրտի և զմարմնի և զգրեզնի և զմարմնի  
 և զգրեզնի և զմարմնի և զգրեզնի

Եւ զգրեզնի և զմարմնի և զգրեզնի և զմարմնի և զգրեզնի  
 և զմարմնի և զգրեզնի և զմարմնի և զգրեզնի  
 և զմարմնի և զգրեզնի

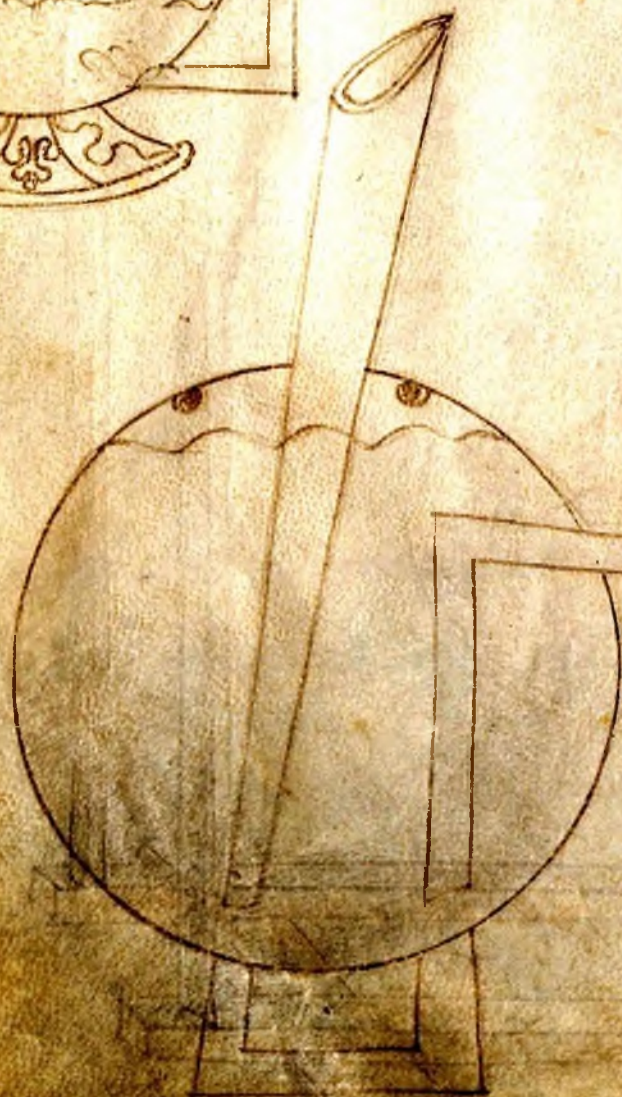
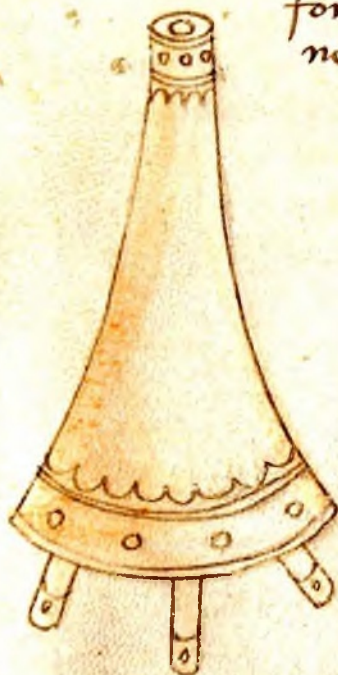
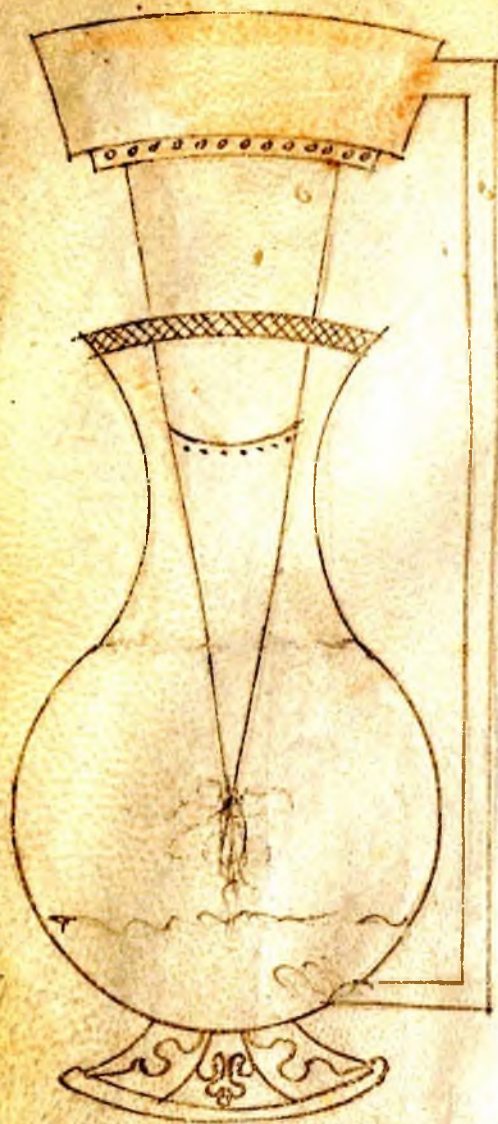


Handwritten text in an ancient script, likely Armenian, located at the top of the page. The text is arranged in three lines and appears to be a technical or descriptive note related to the drawing below.





fontes allzandi comu  
nes ipsi sunt



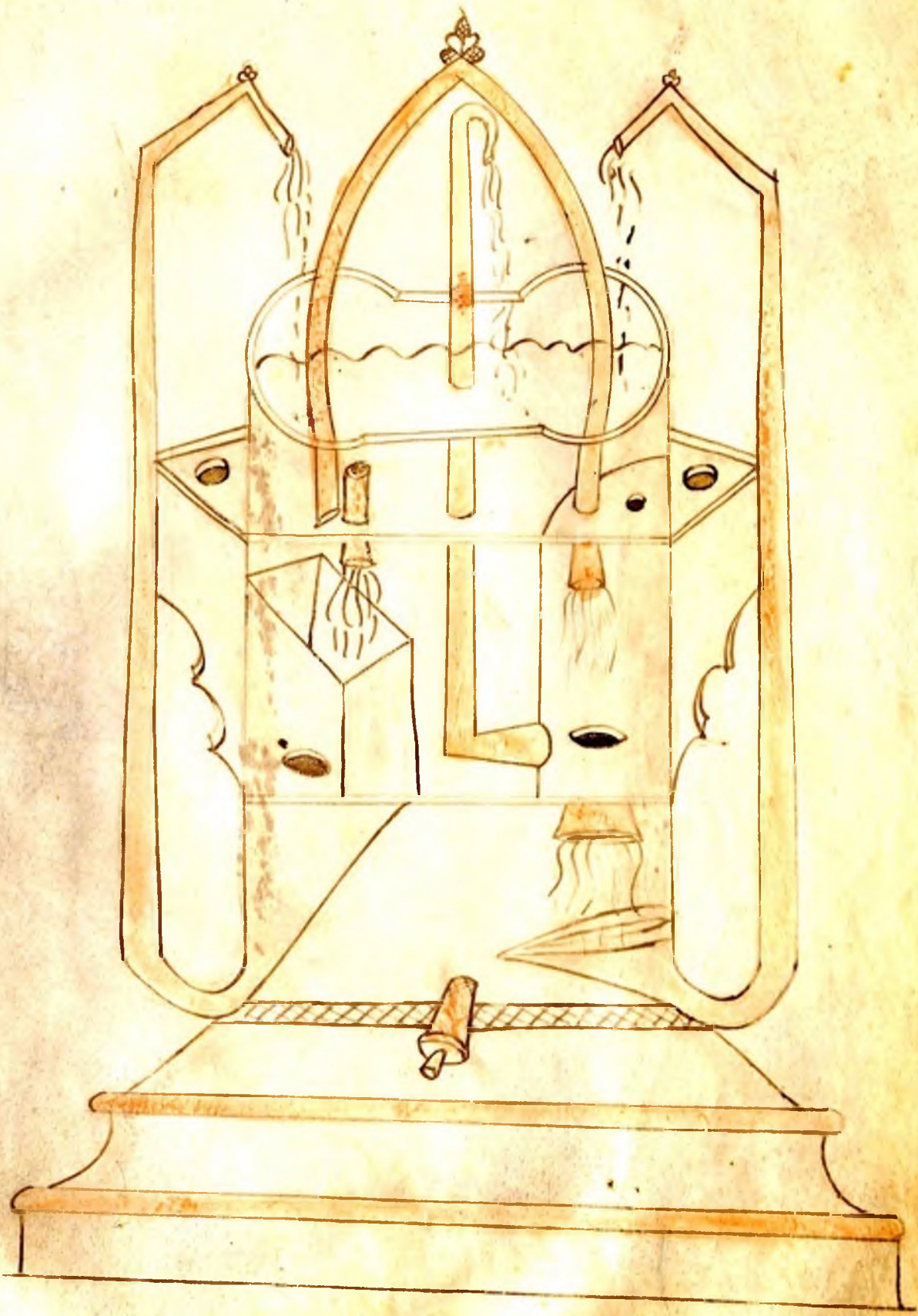








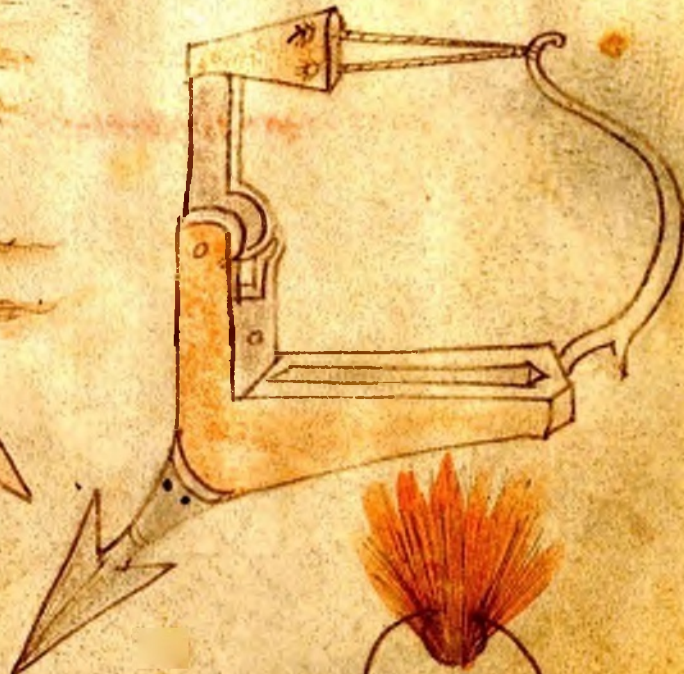
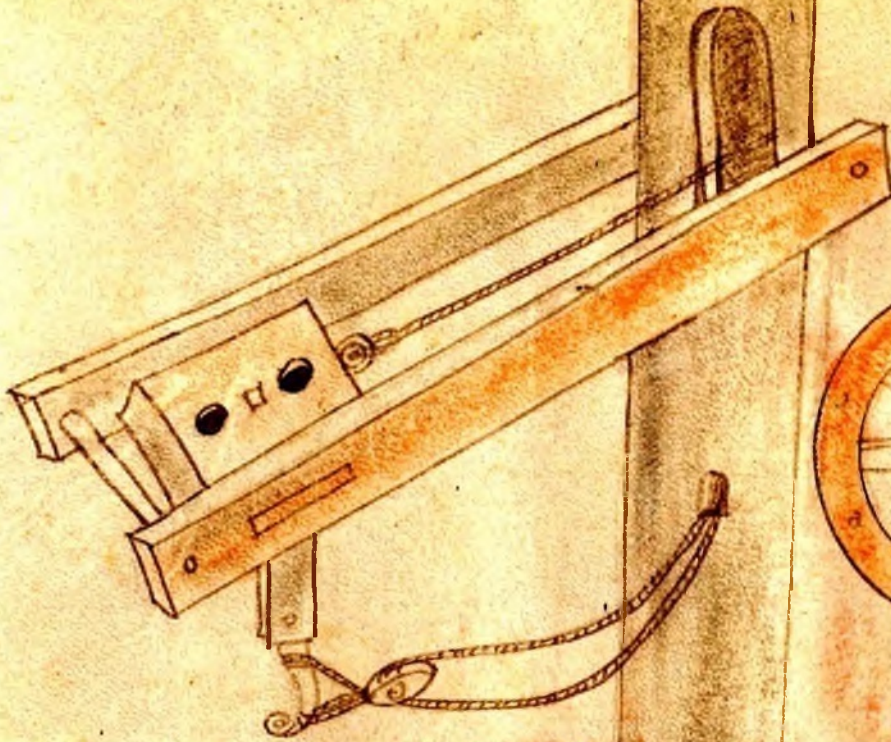




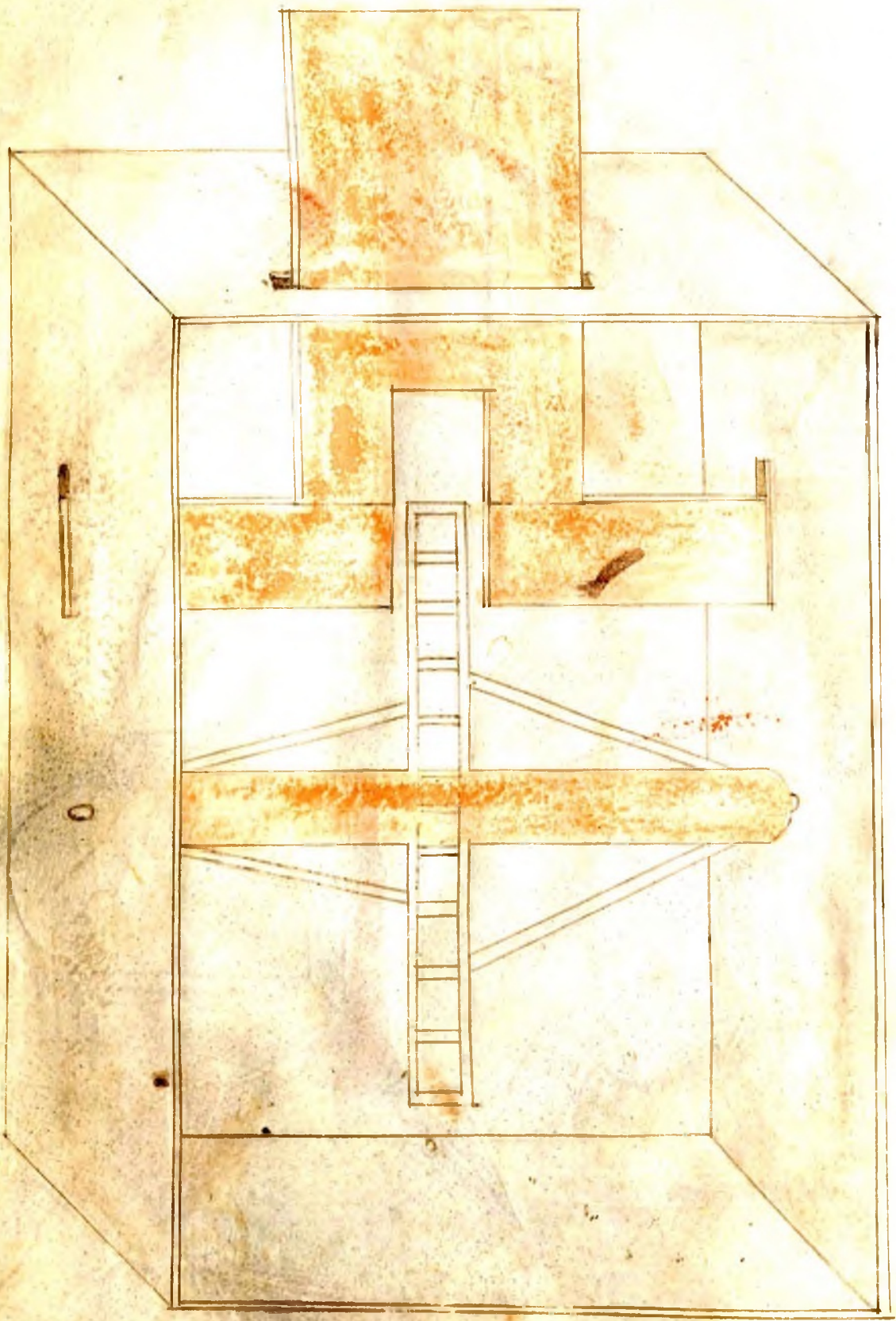




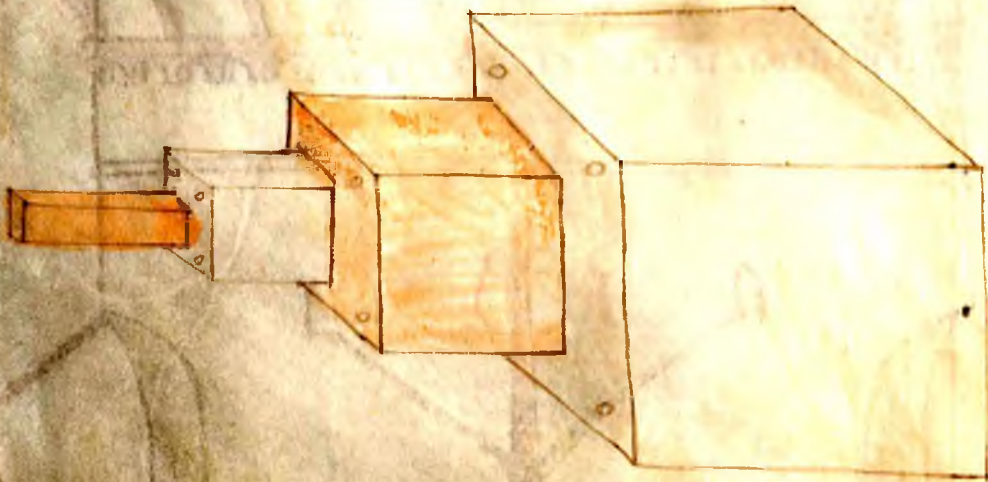
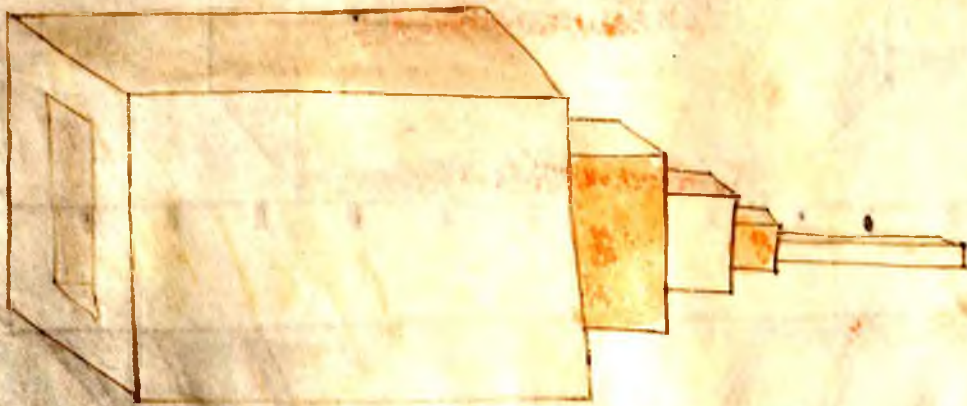
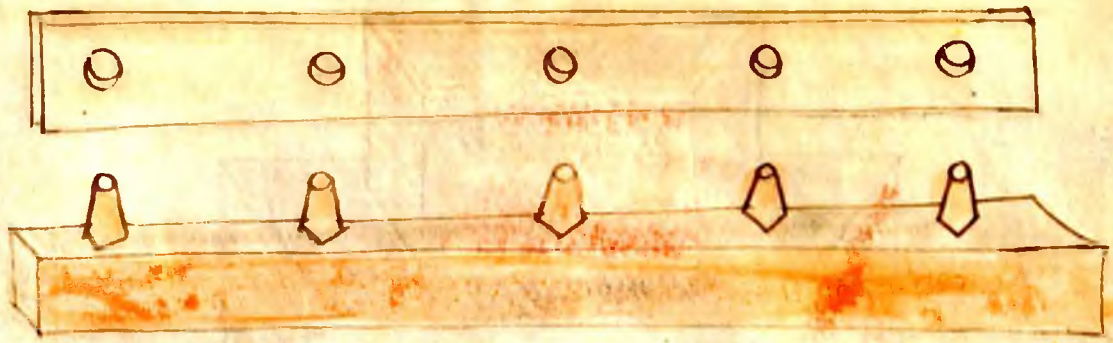






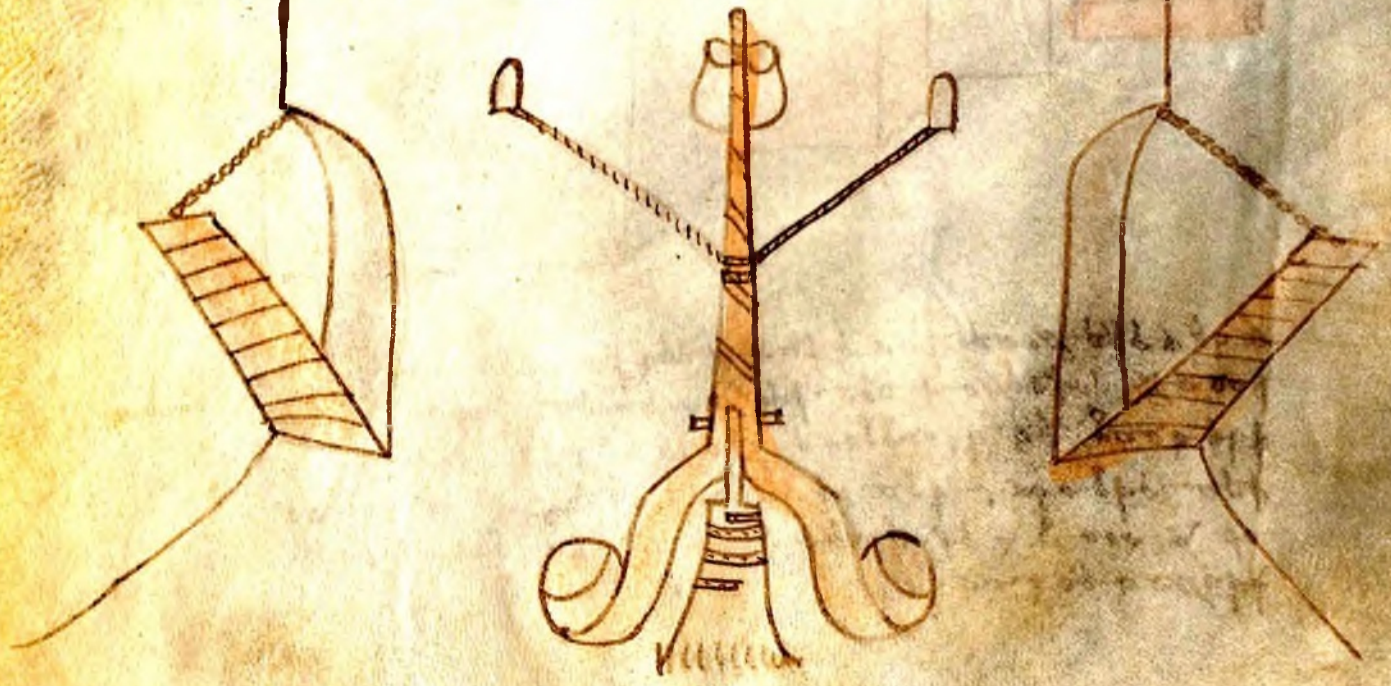
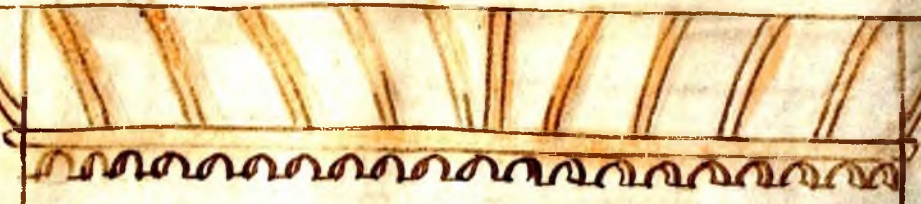
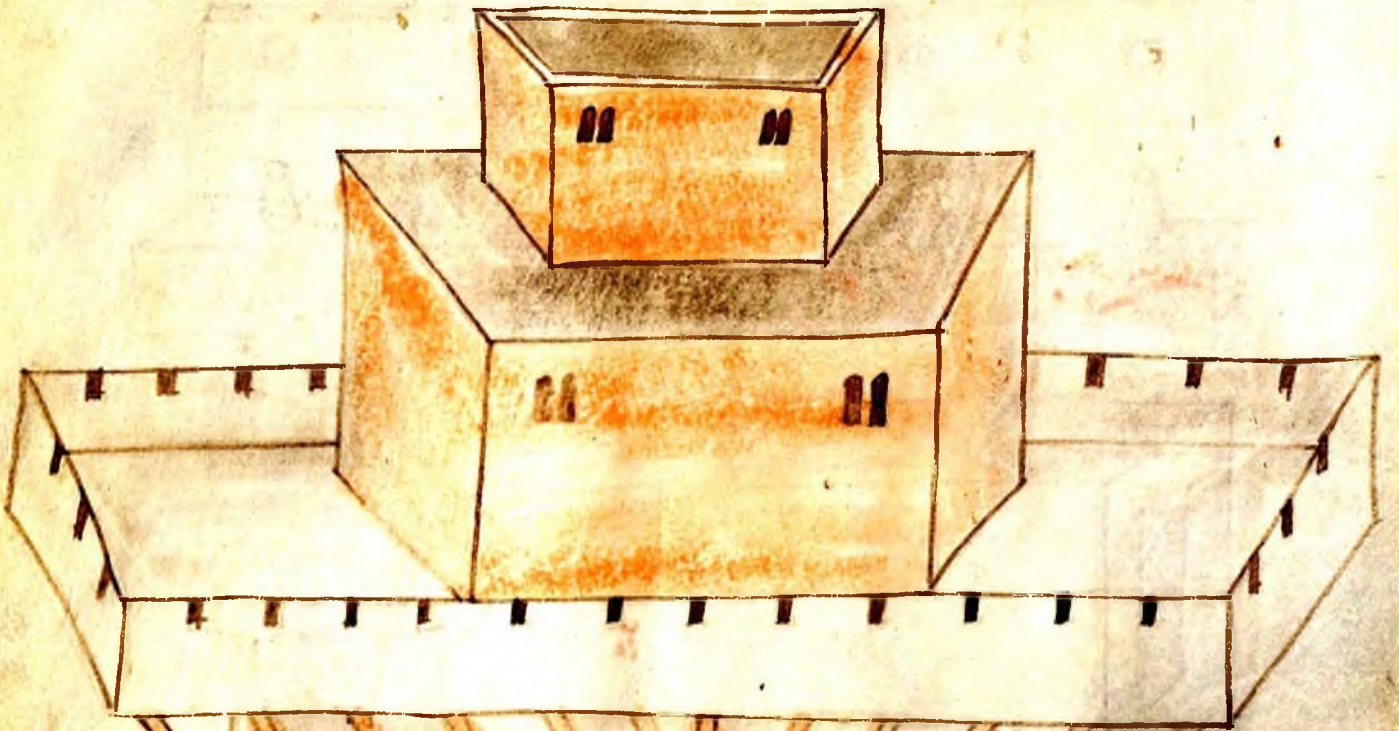






Handwritten text in a cursive script, likely a description or list of items related to the diagrams above. The text is written in a dark ink on aged, yellowed paper.





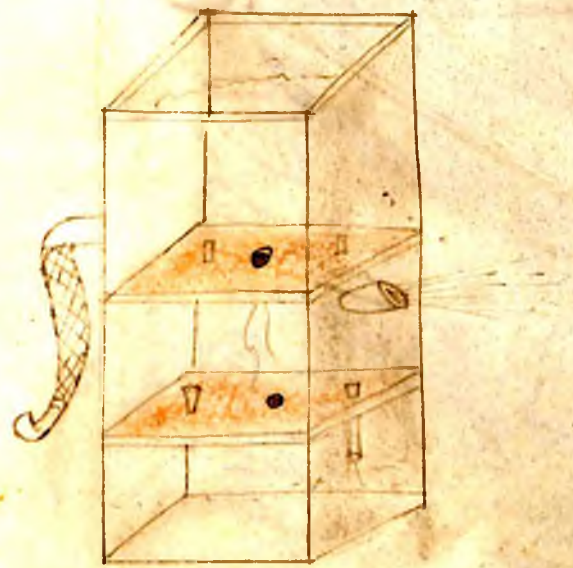
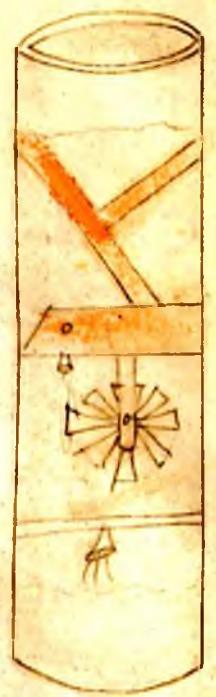
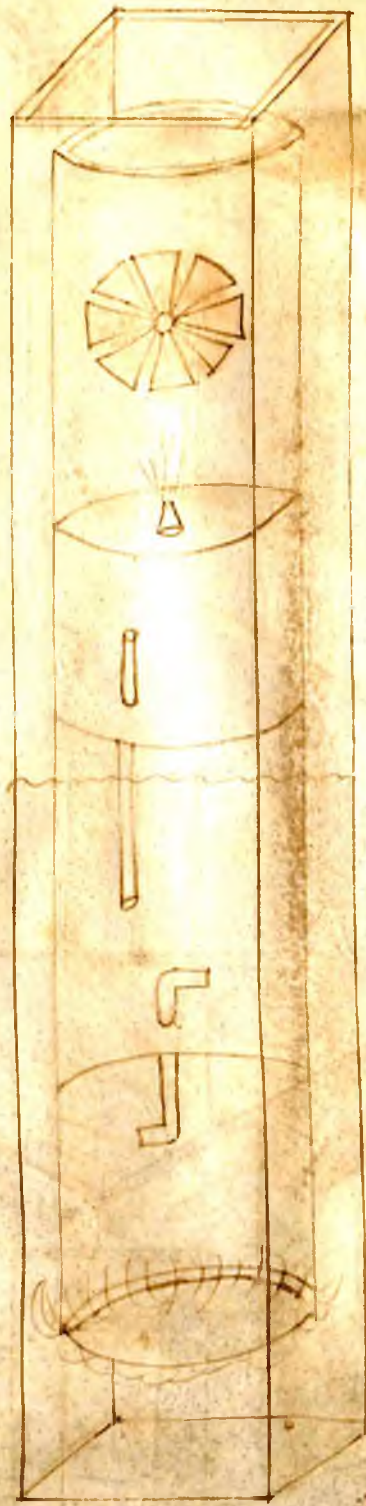
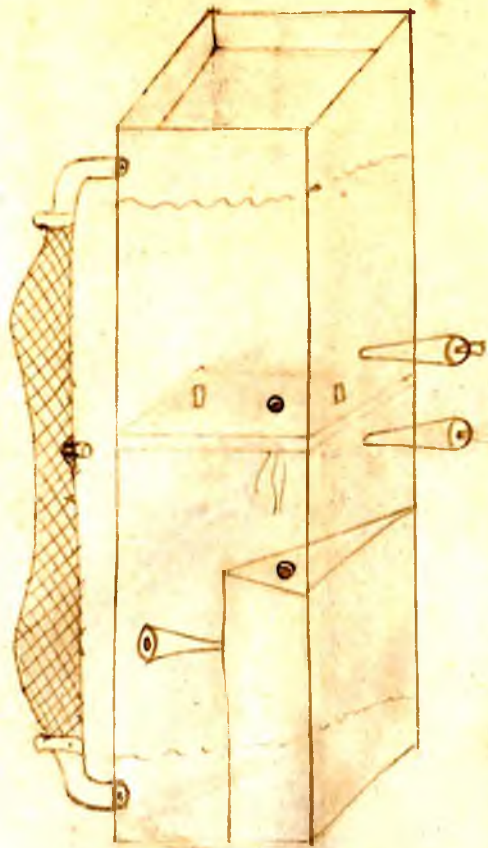








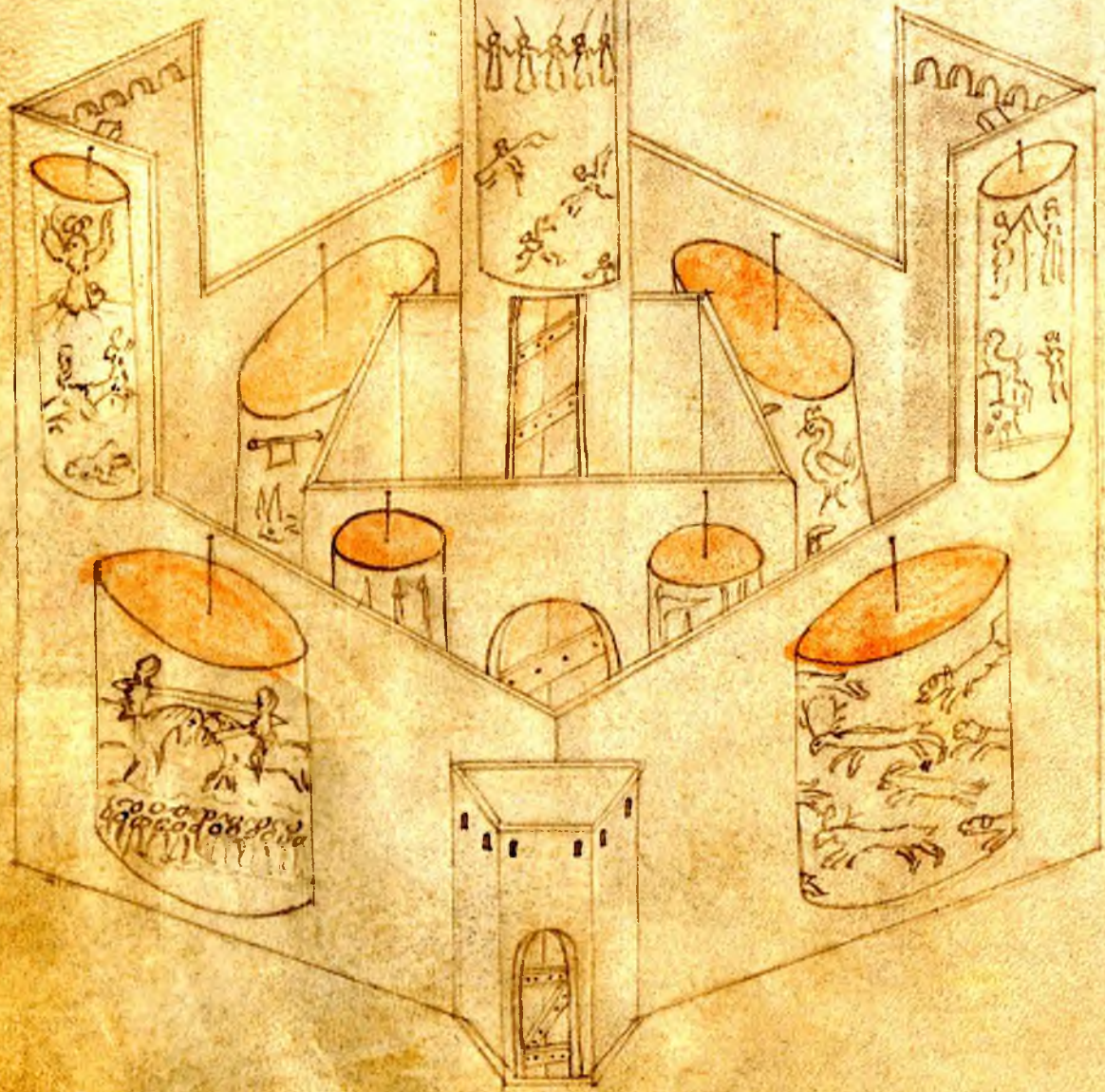




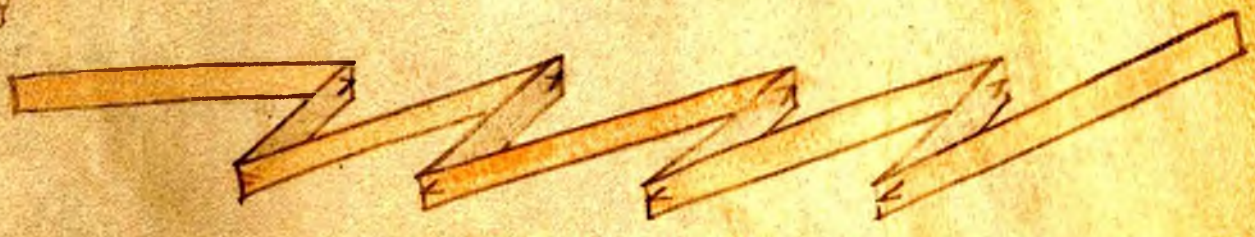
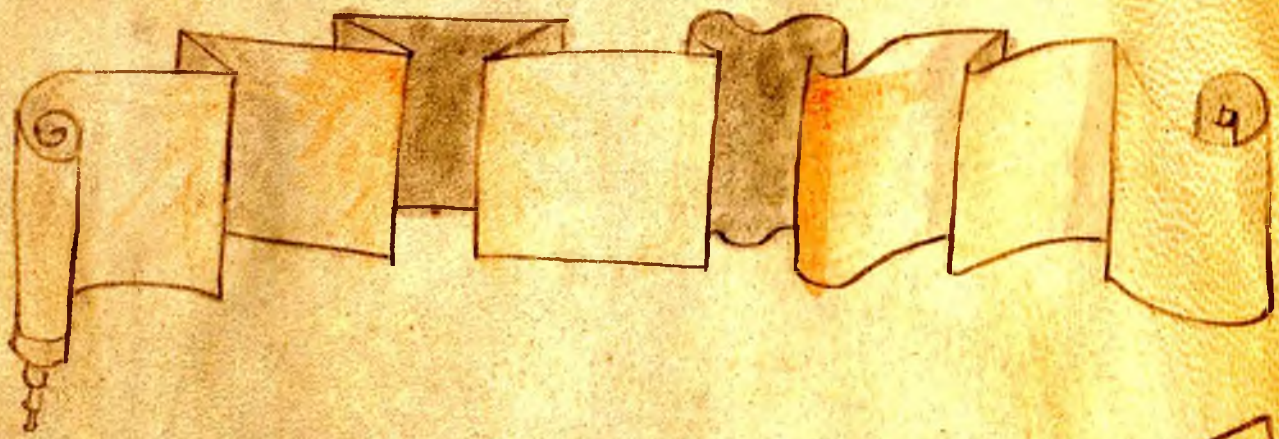
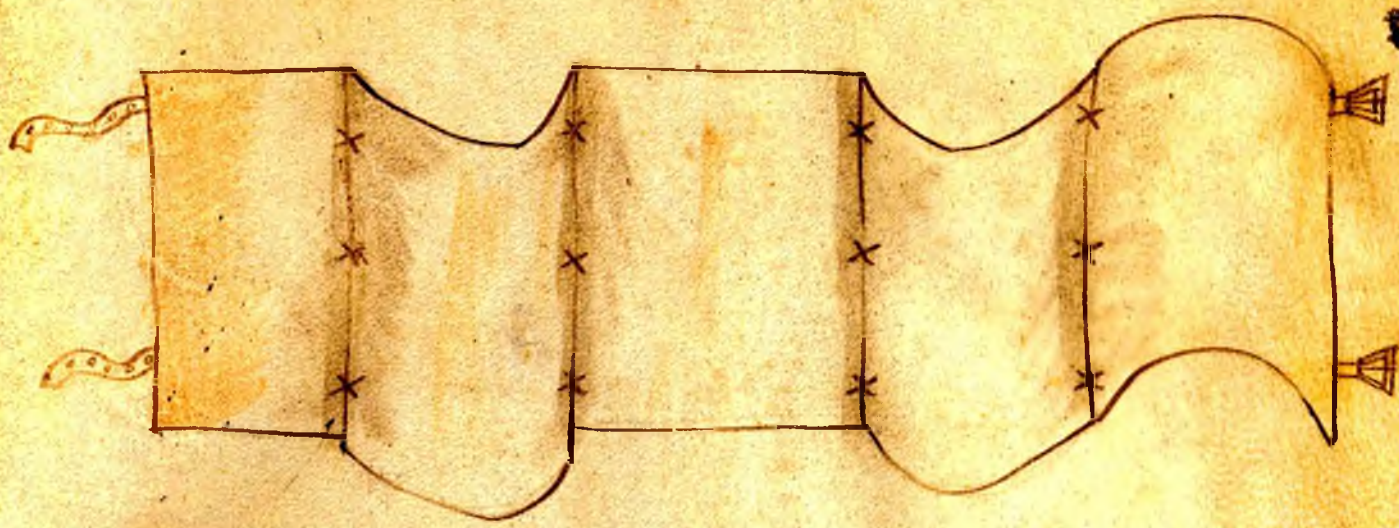


Castellaz vmbrazuz  
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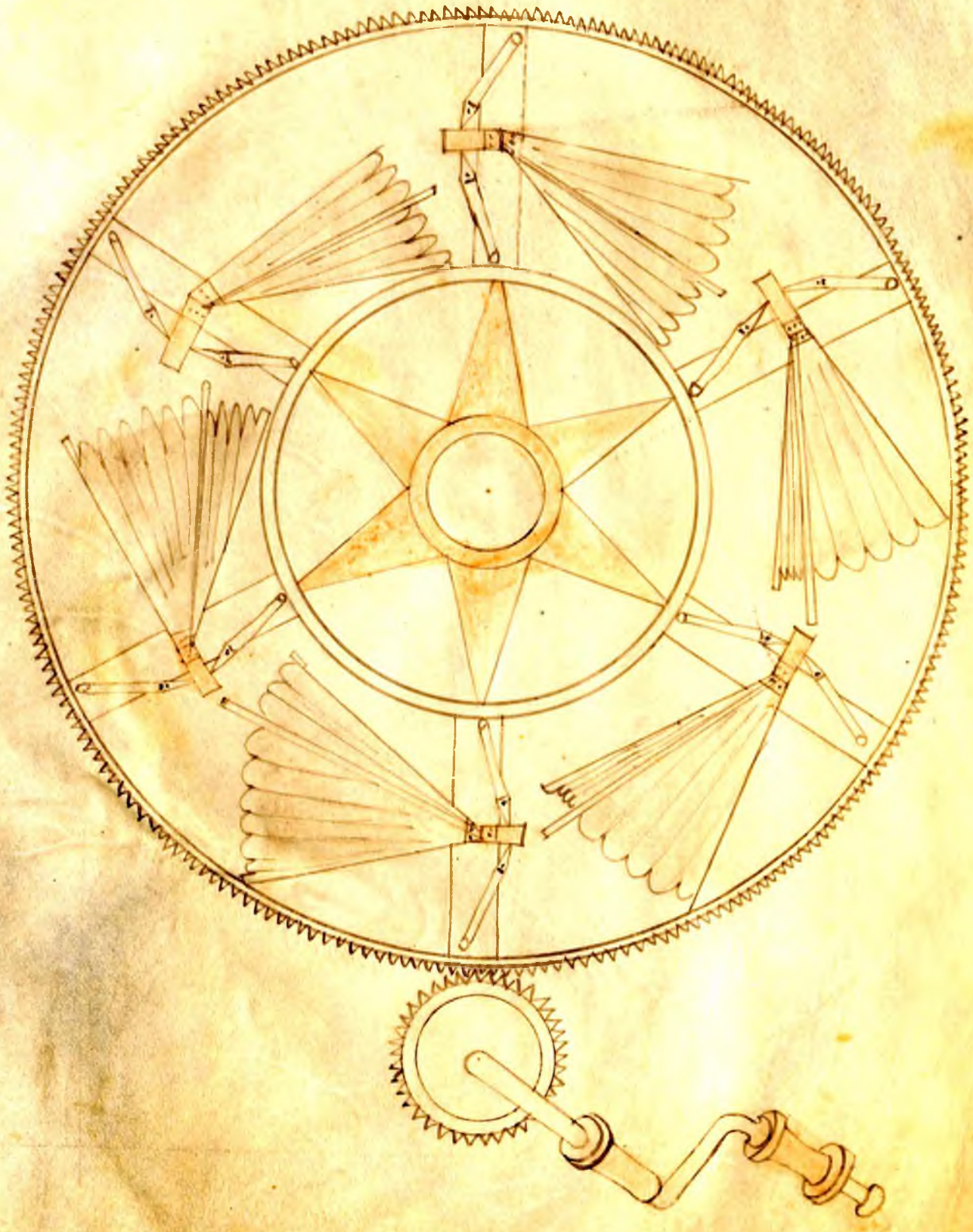




Ժողովար Գրեց զգրքս ընդ զսուրբ Գրքս  
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Rota foliata fistularis. pro obsequio ad quod...  
poto qd d d u q d d o o t o o b a p a o p a t d d o p a b  
o a d d q d b b t o d d o q o d d a d q d







Apparition nocturna ad turorem  
 videntium  
 et ad id quod est et de hoc mundo  
 quod est et de hoc mundo et de hoc mundo  
 et de hoc mundo et de hoc mundo et de hoc mundo