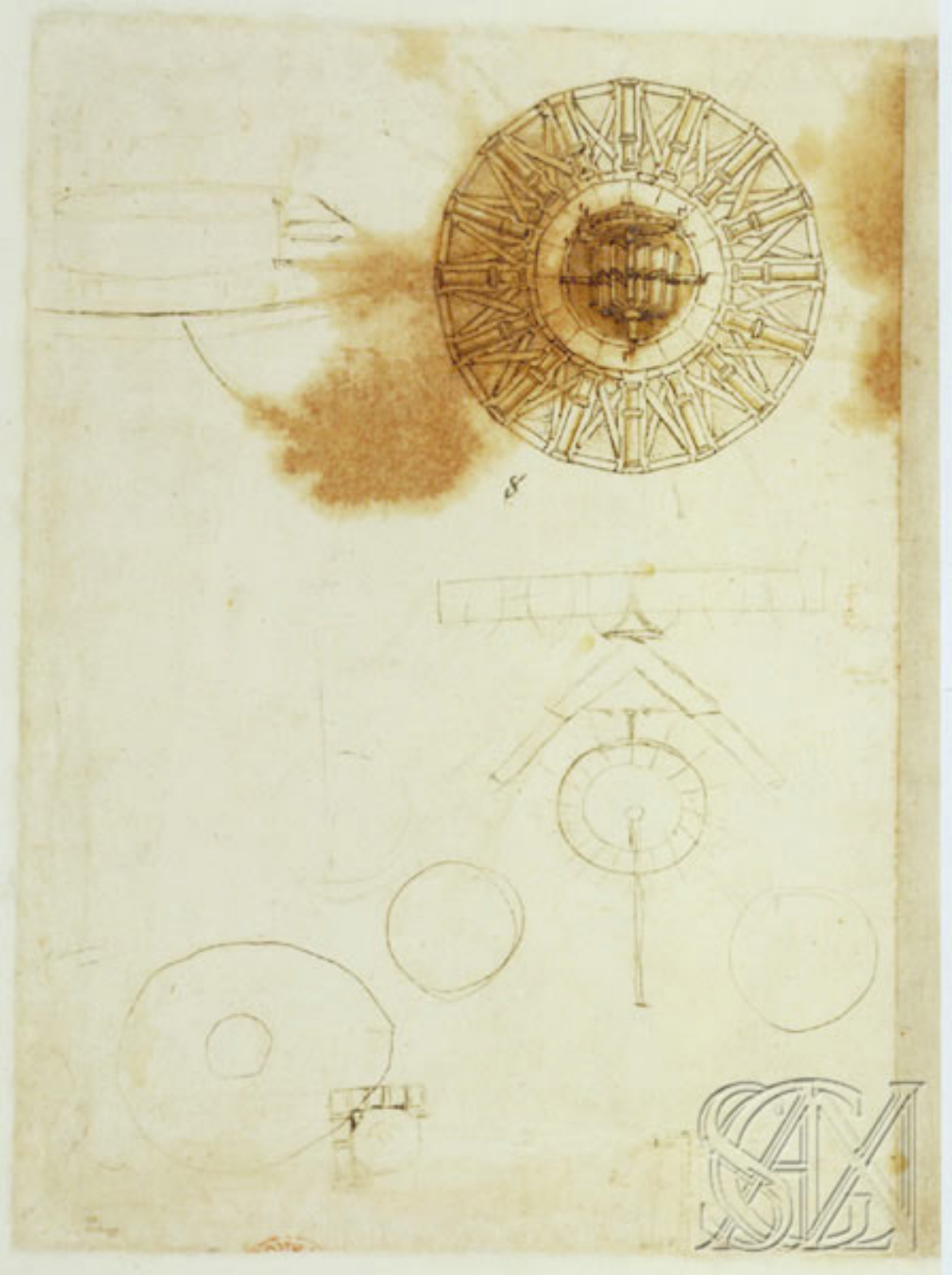

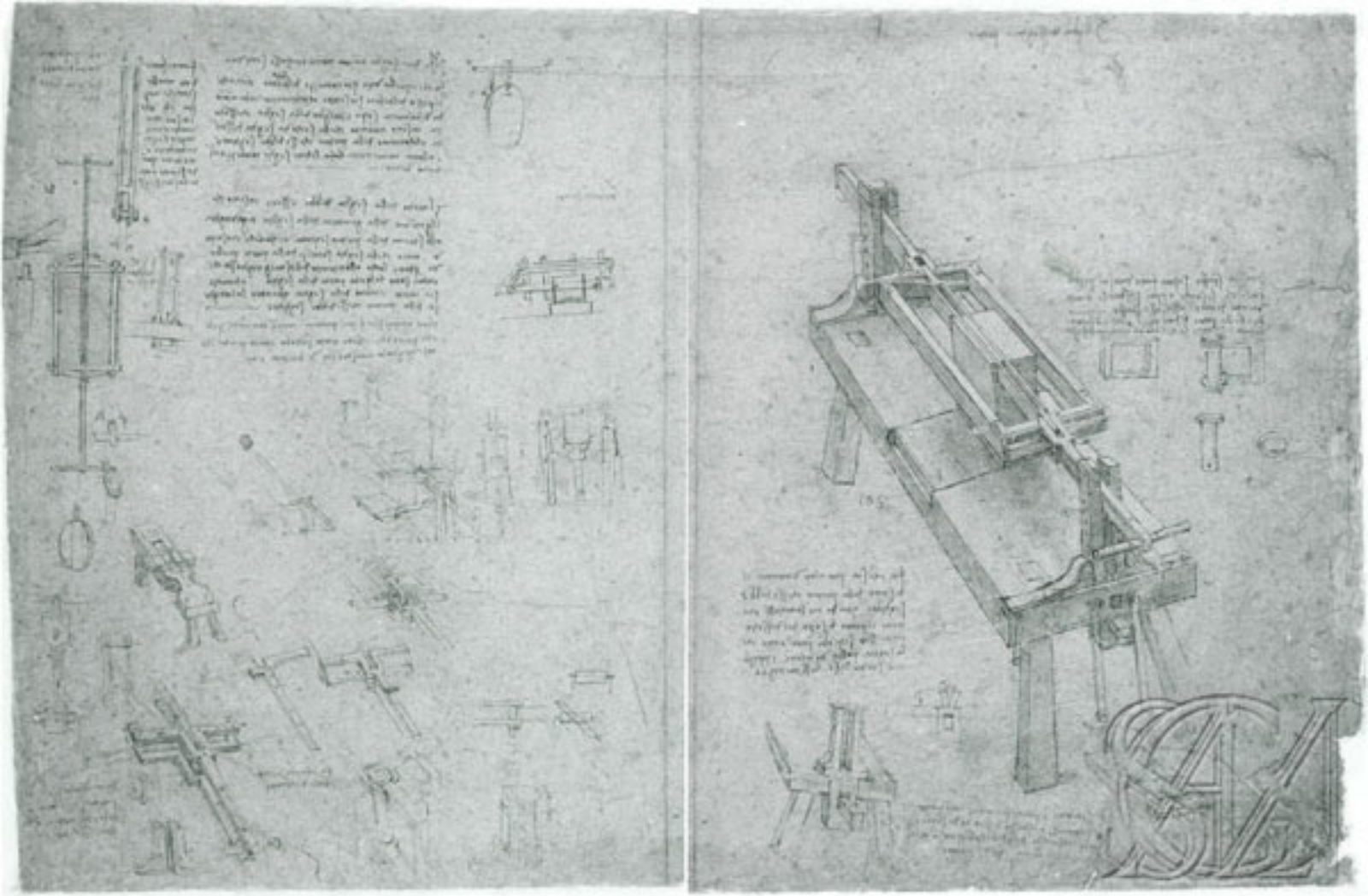

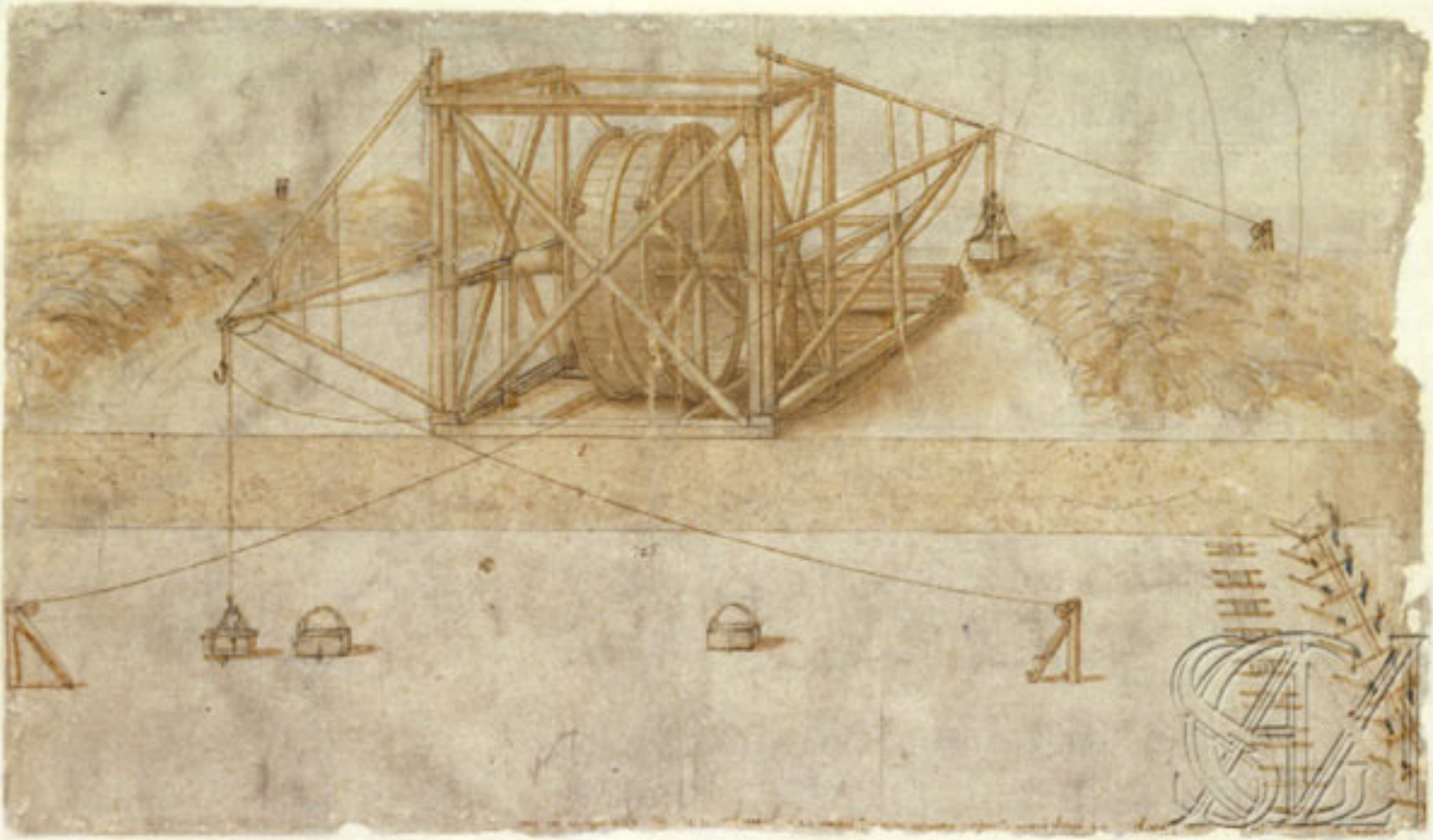

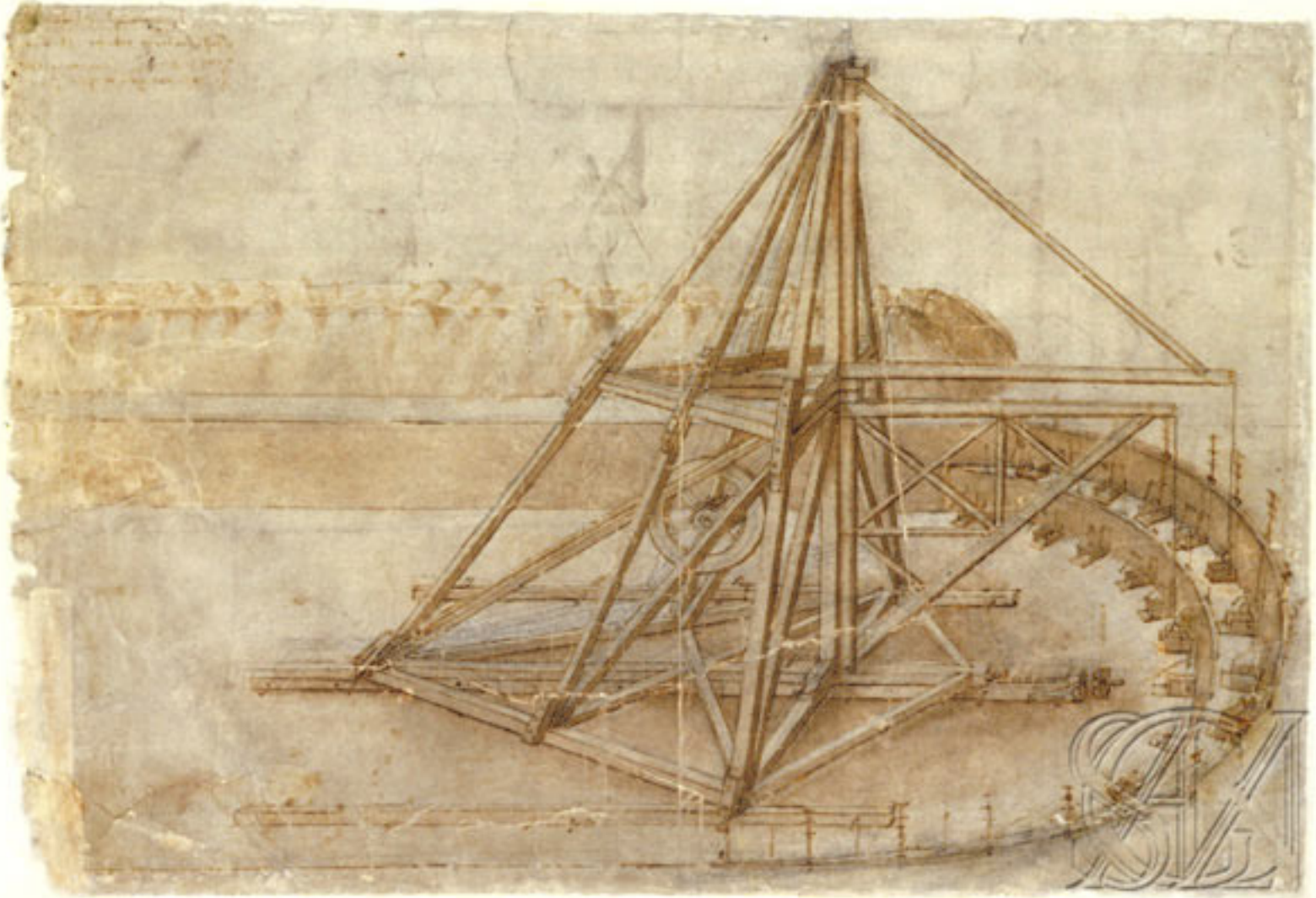

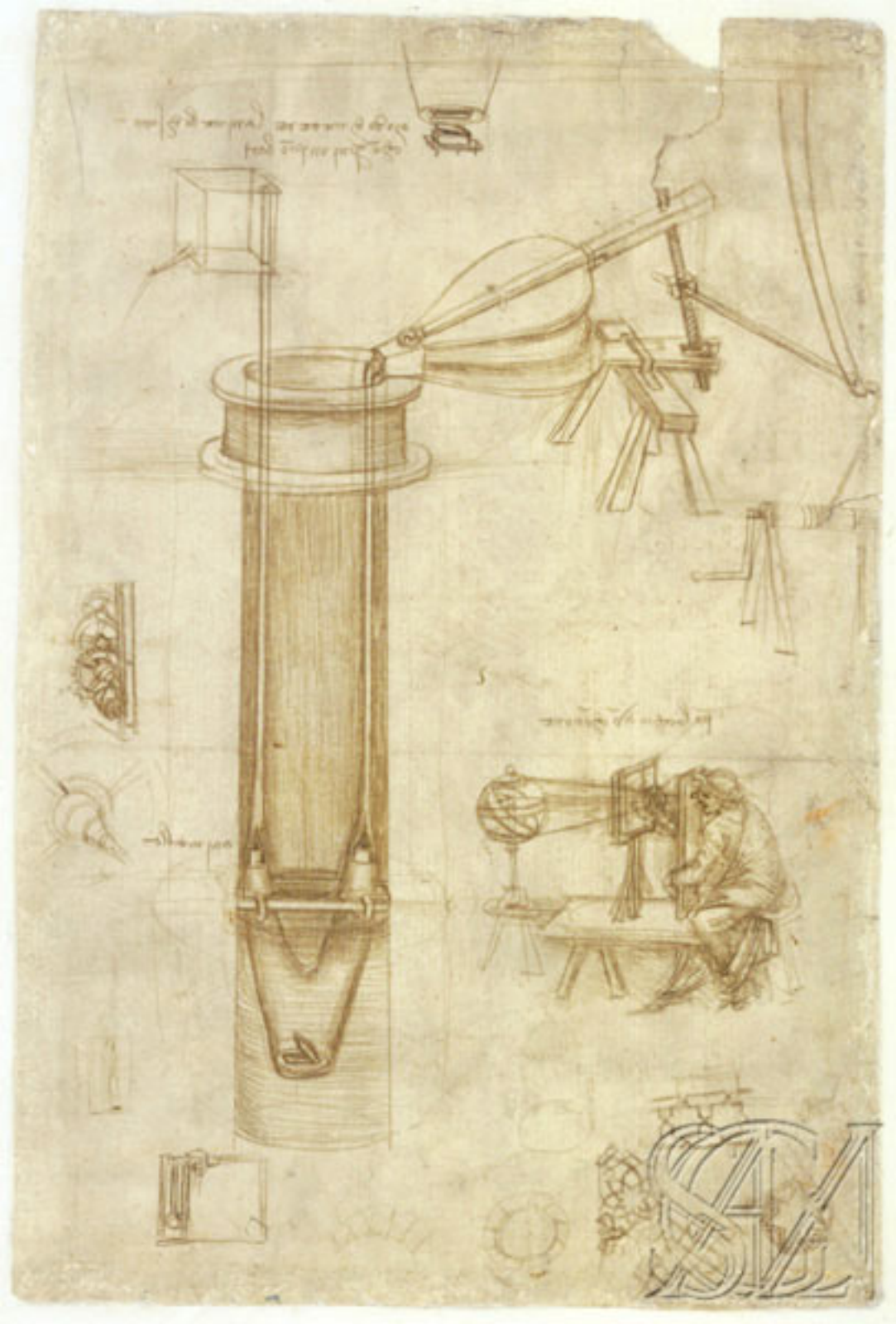

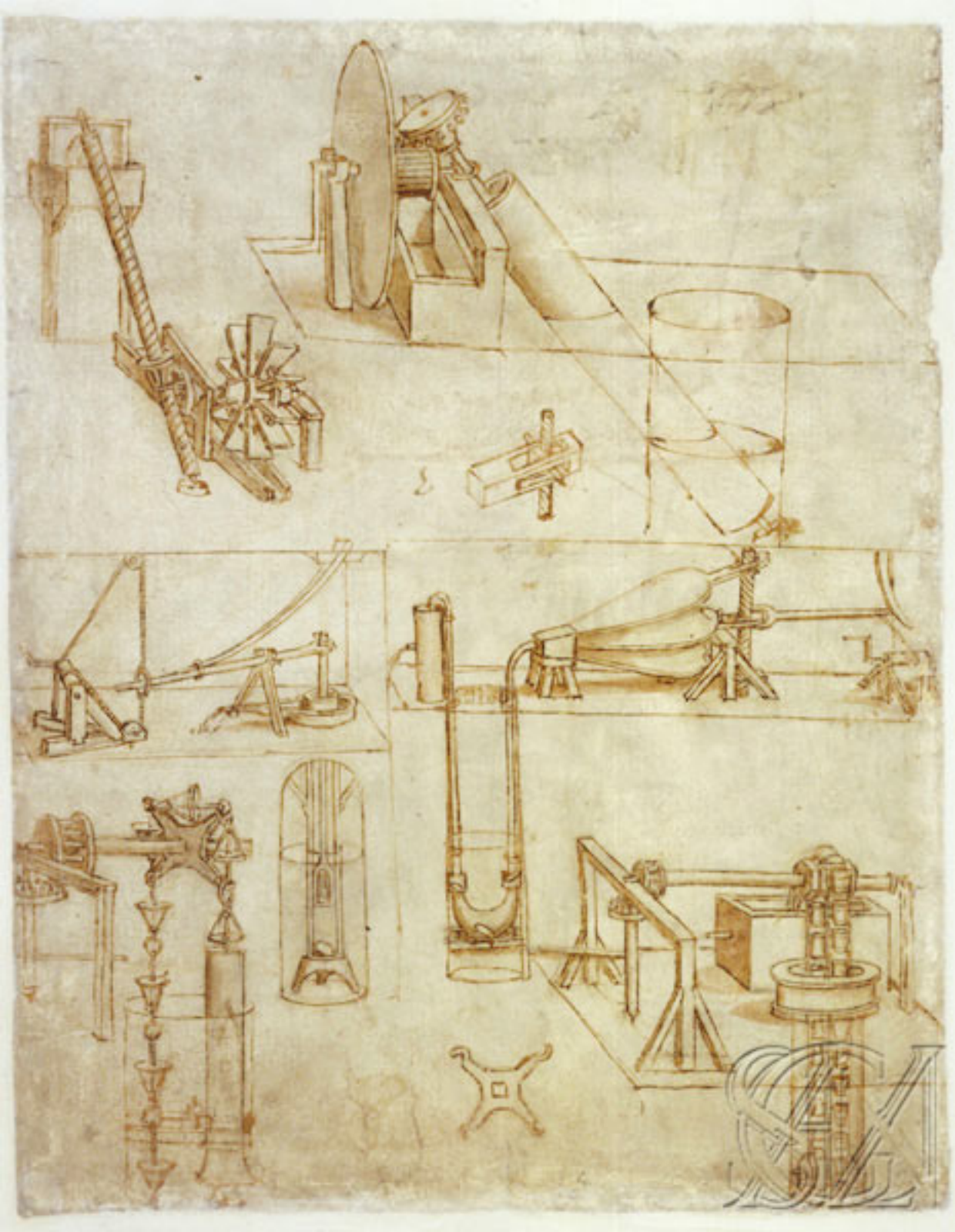

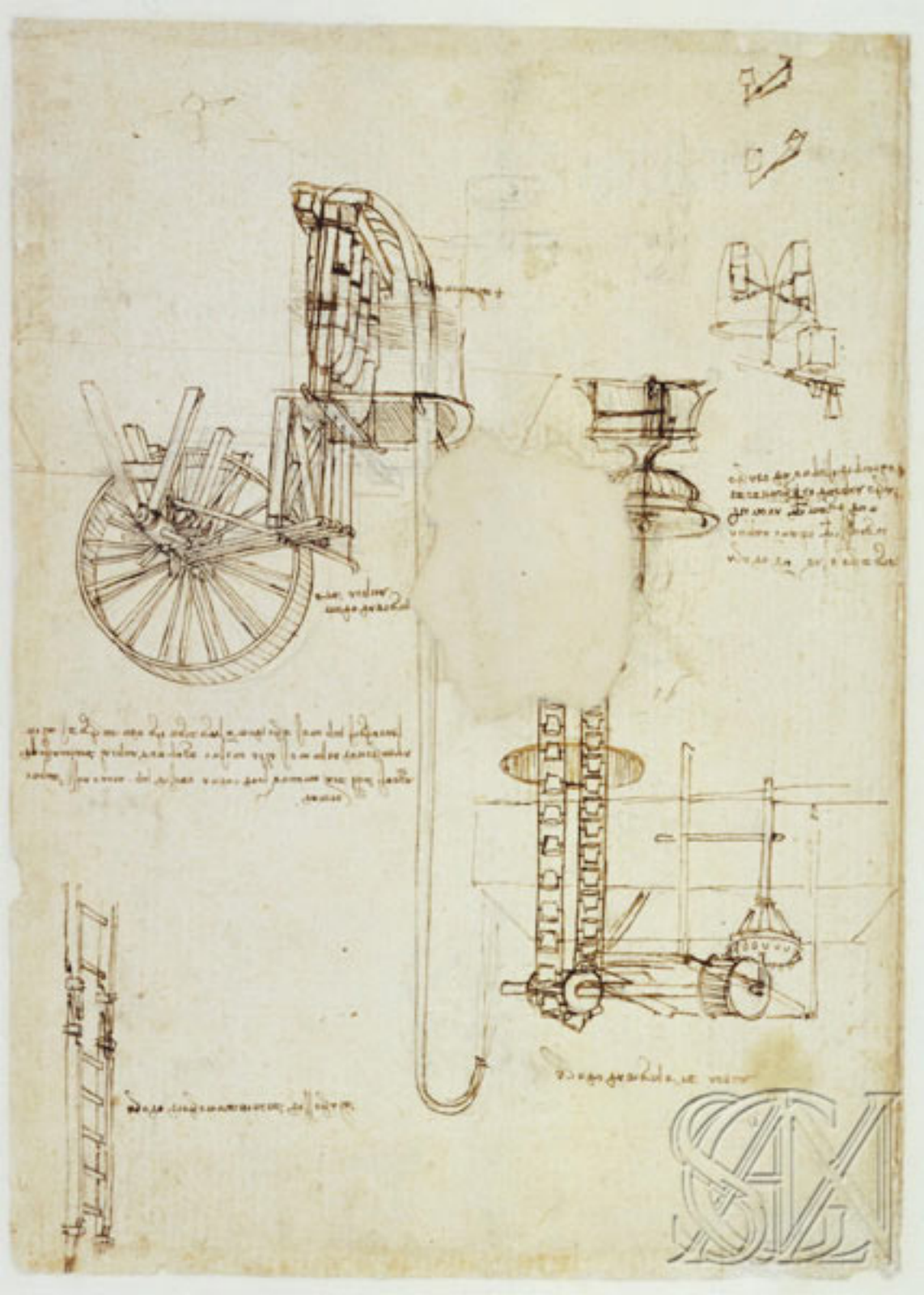

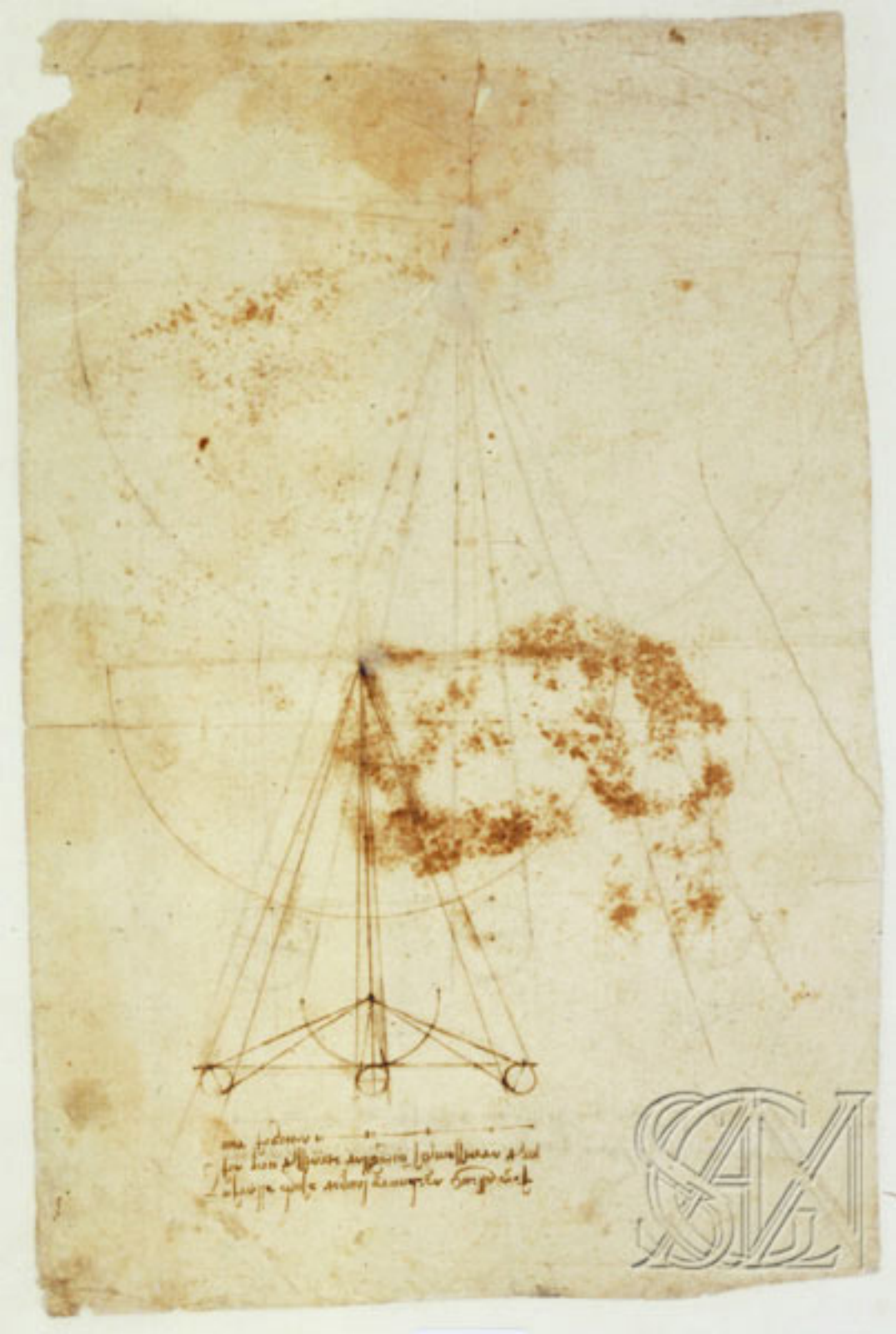

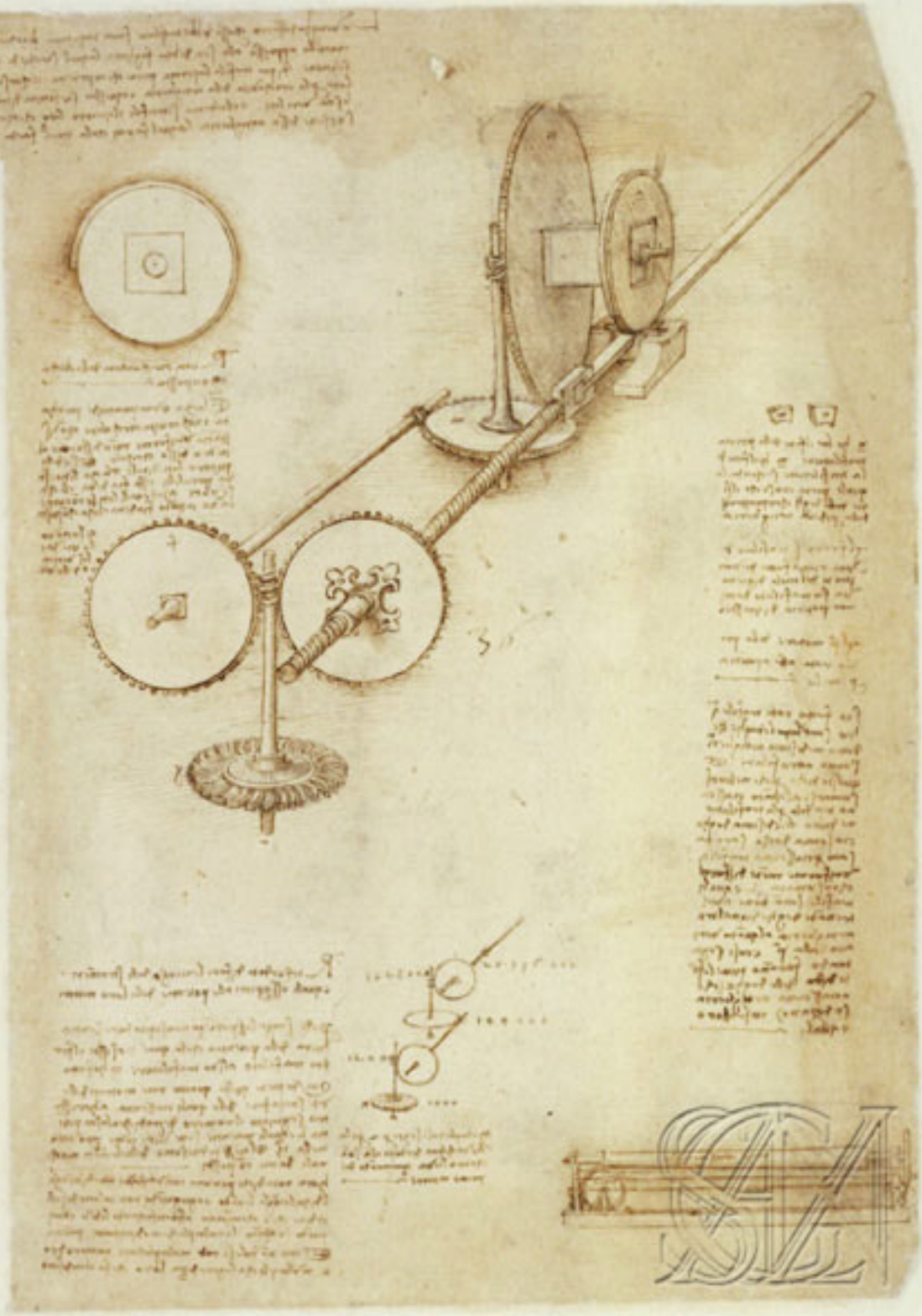

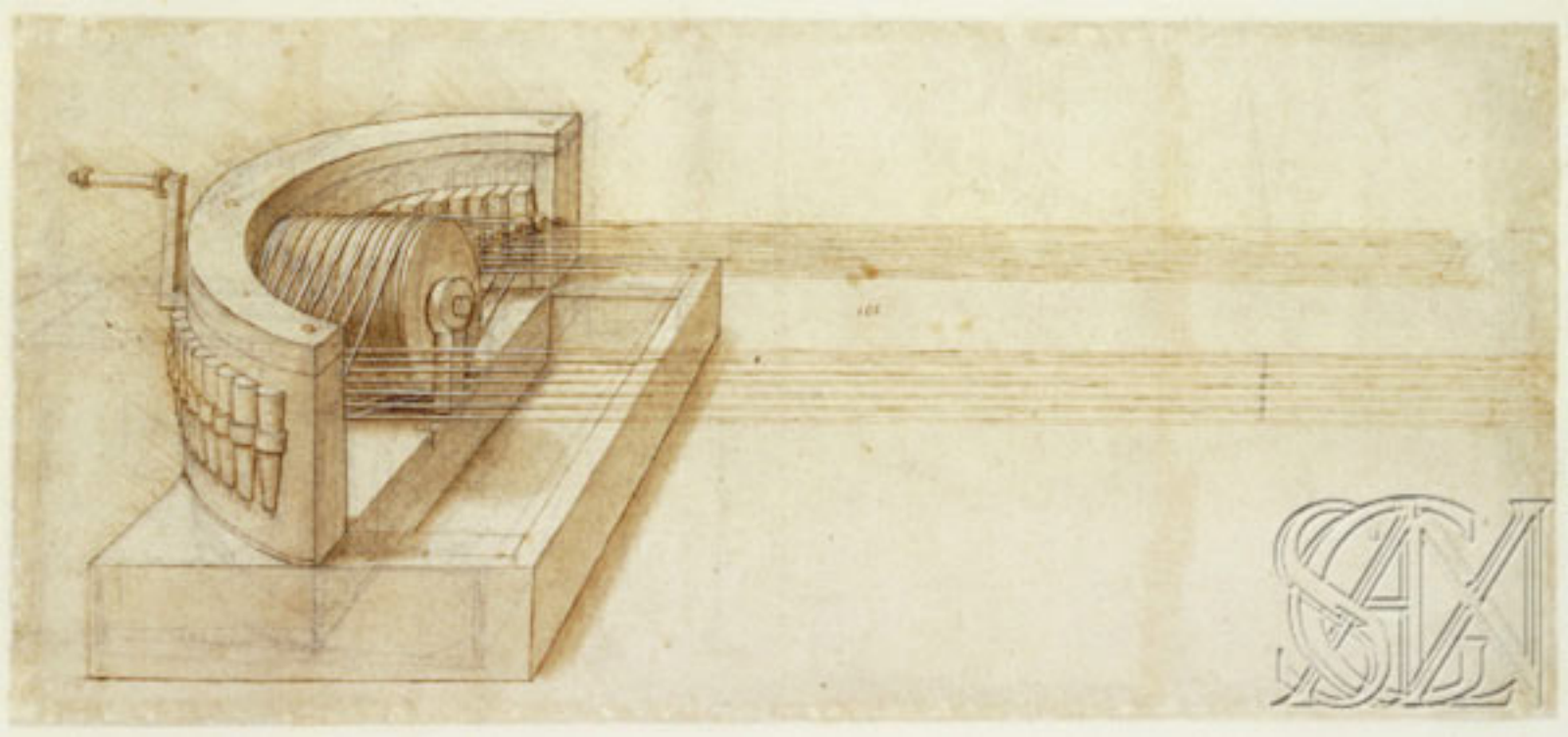

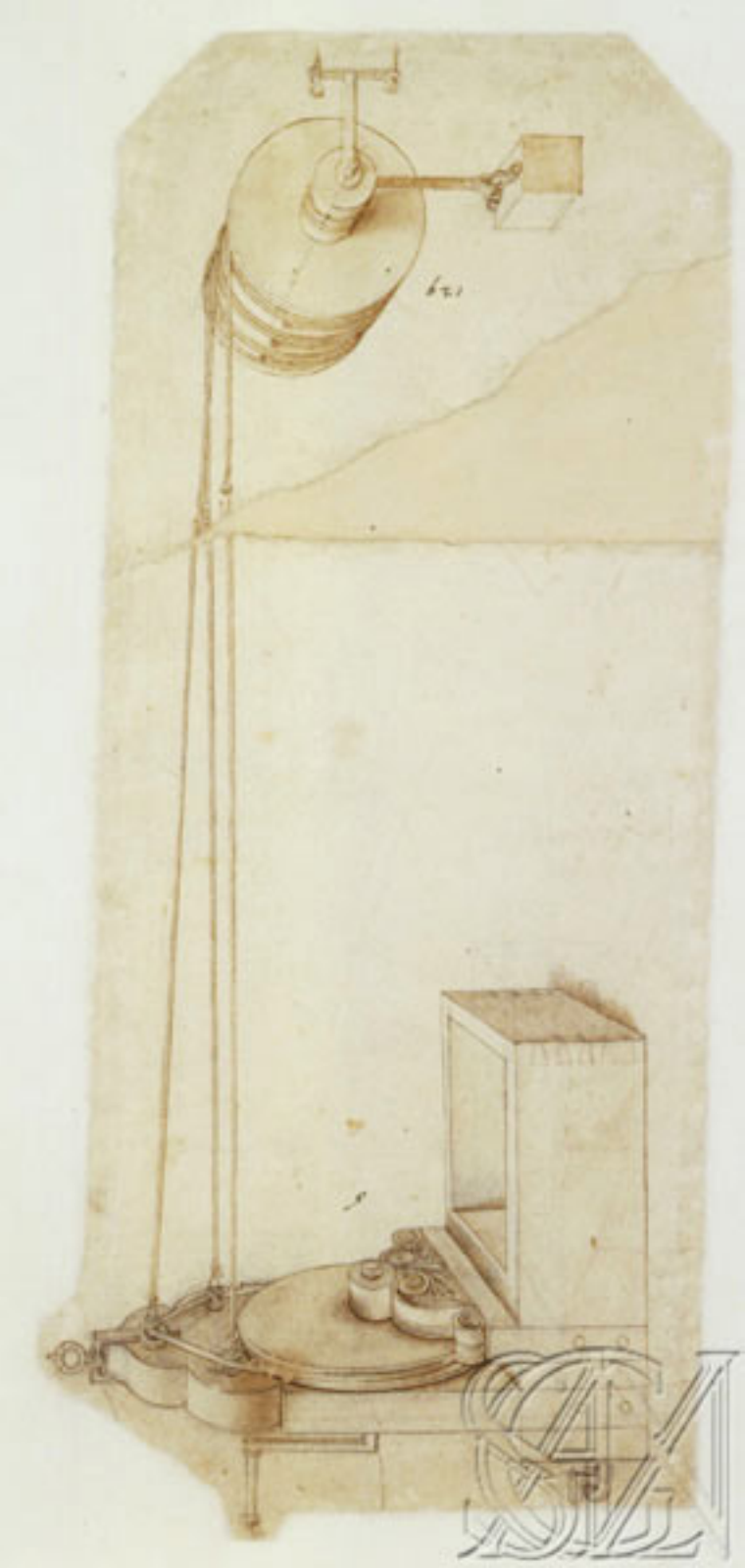

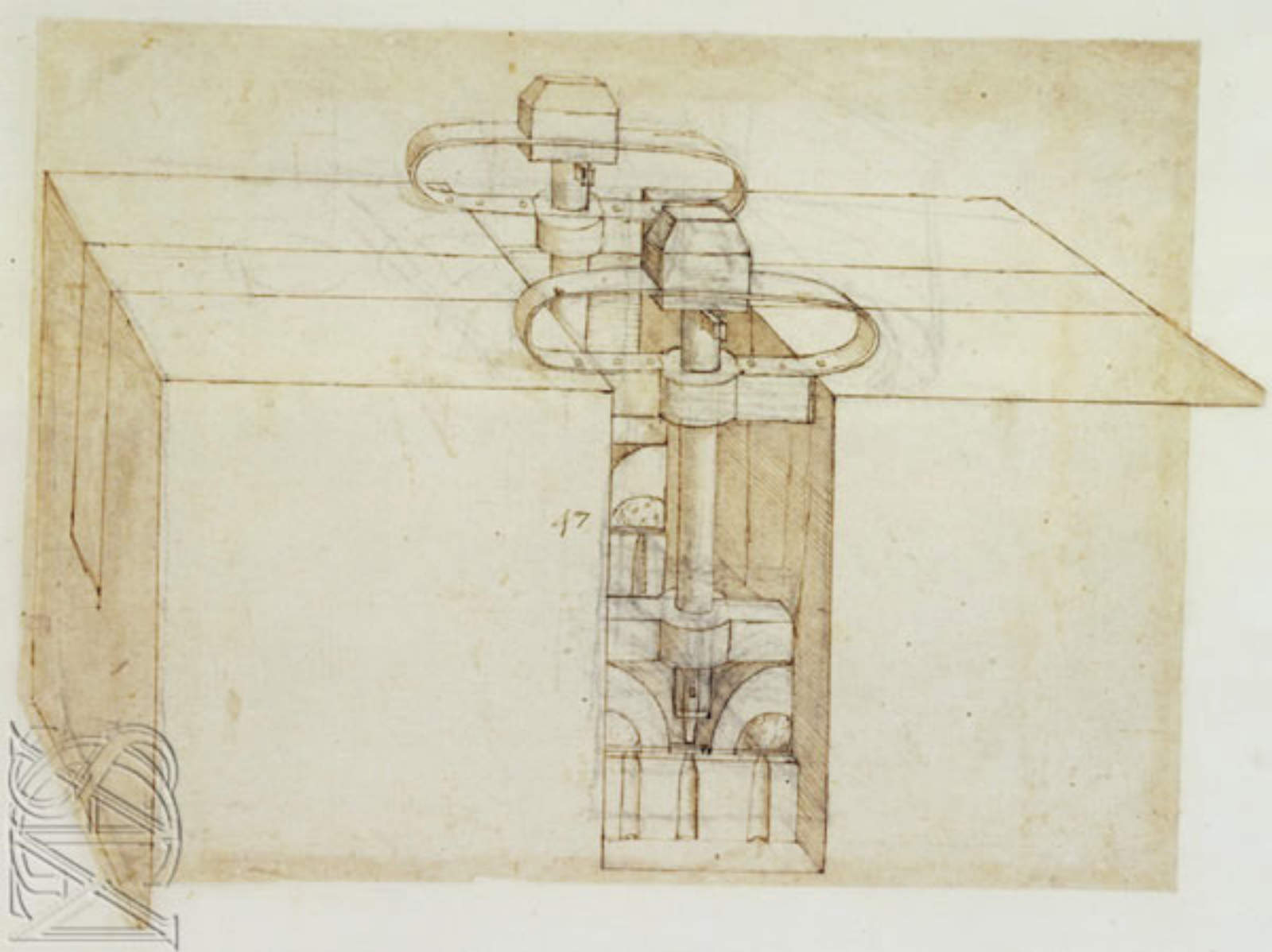
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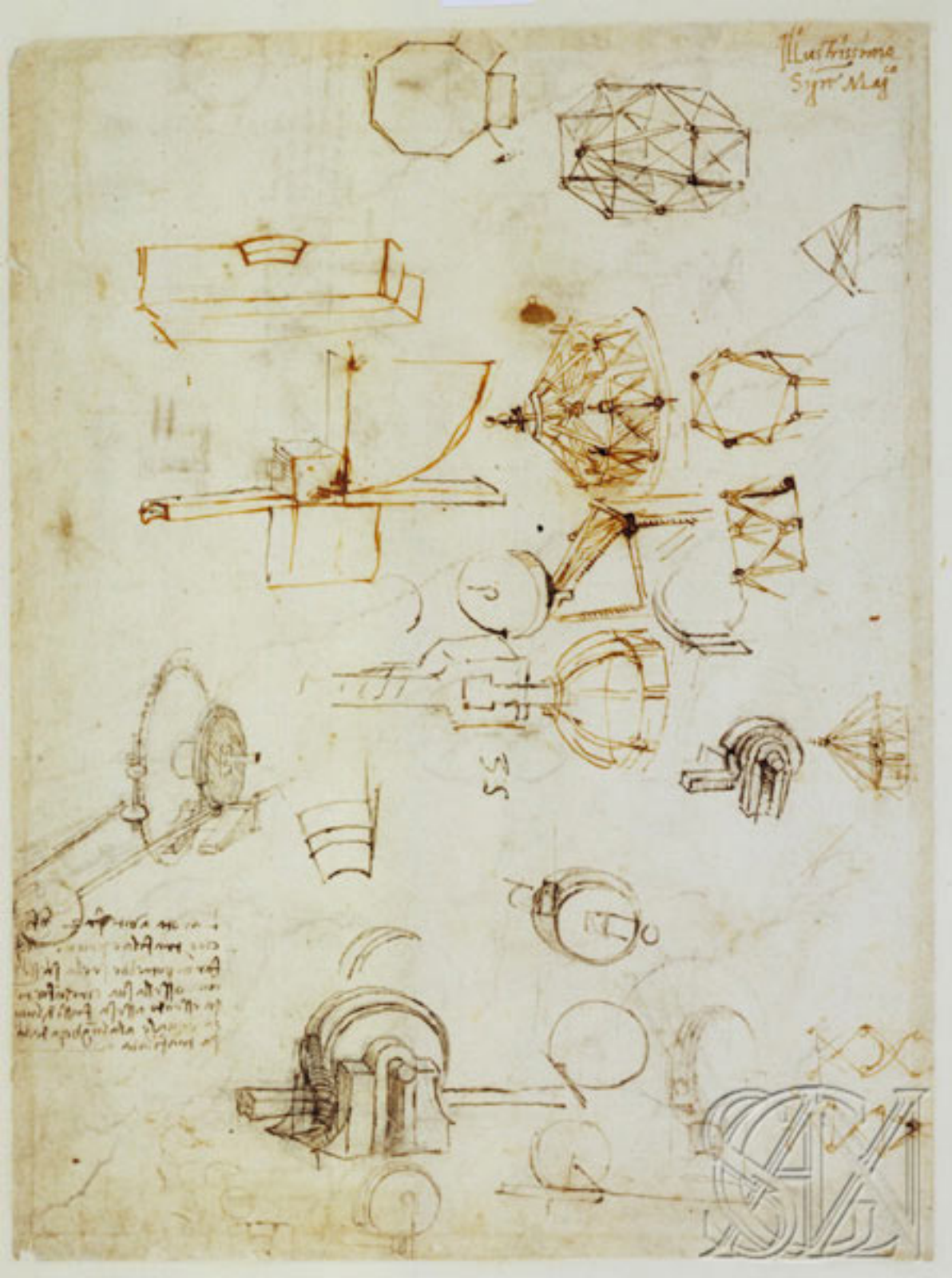
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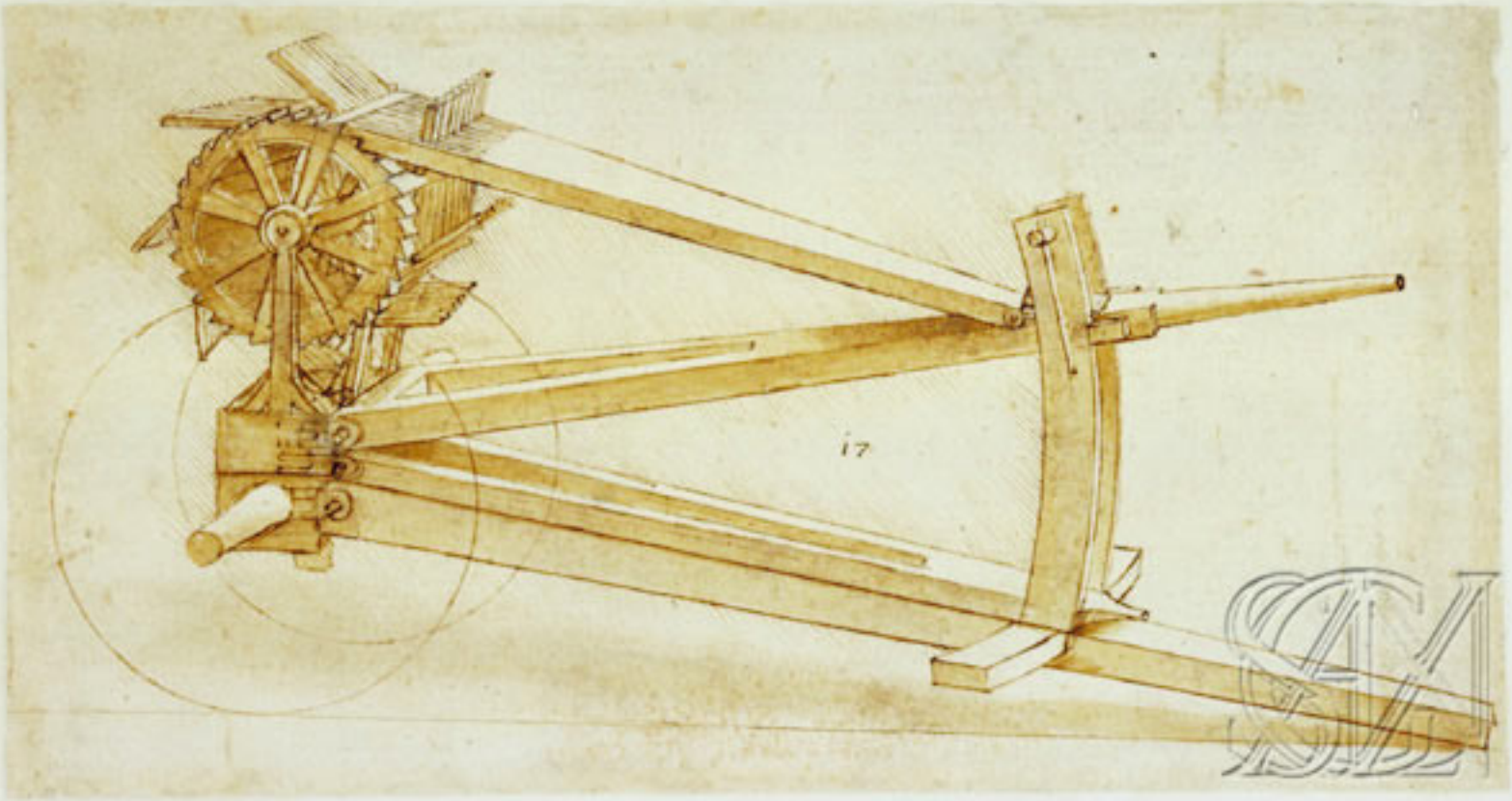
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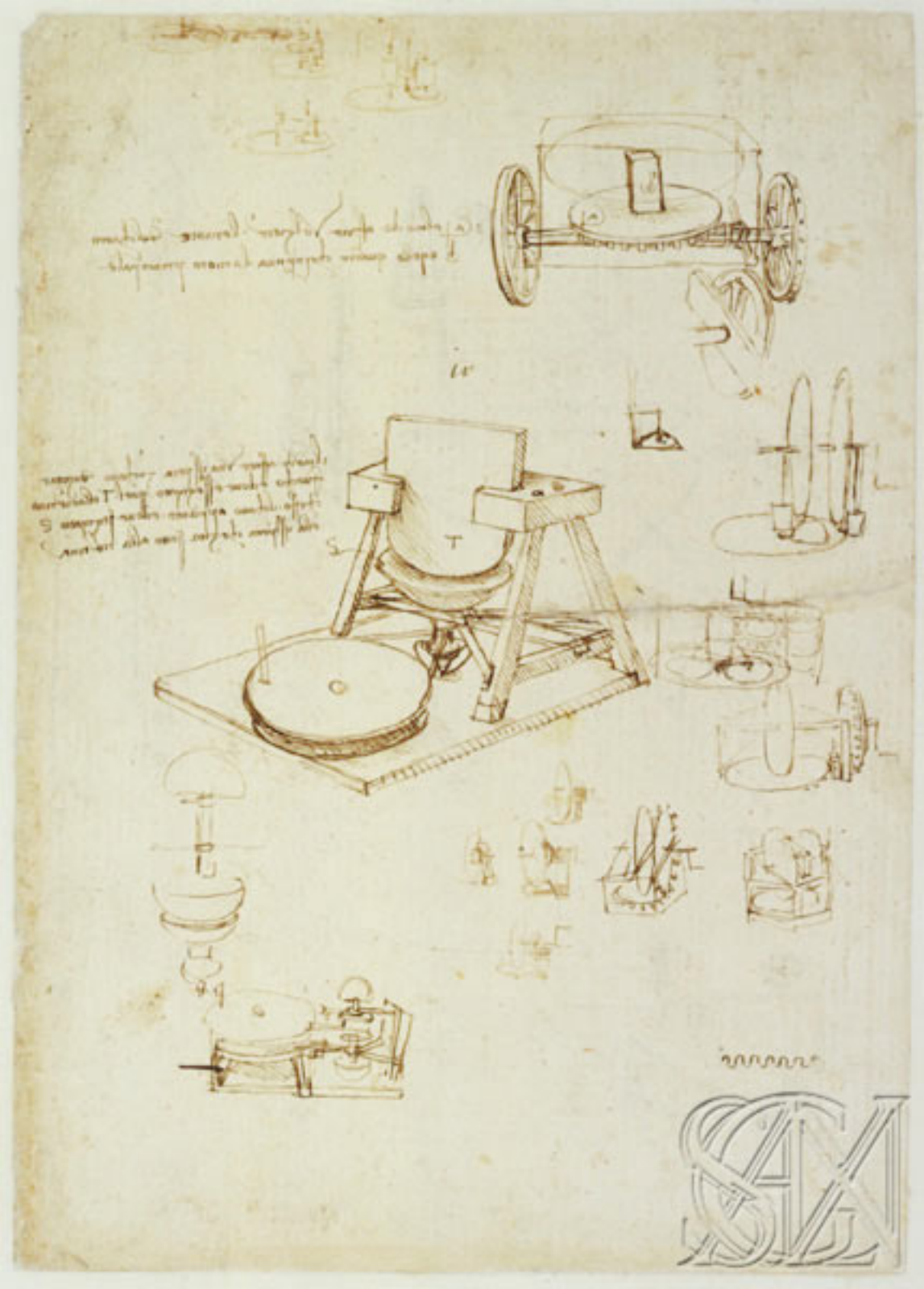
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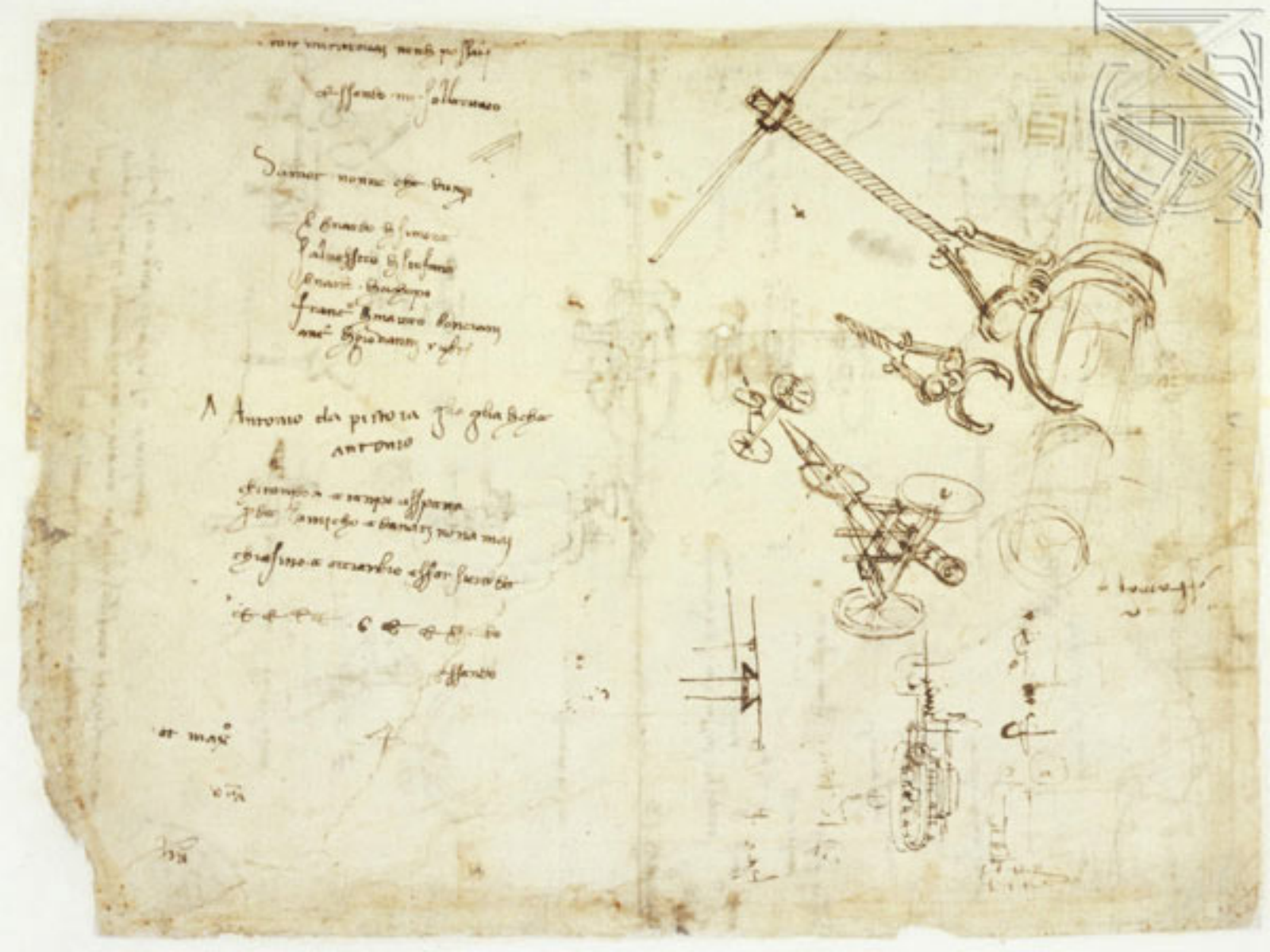

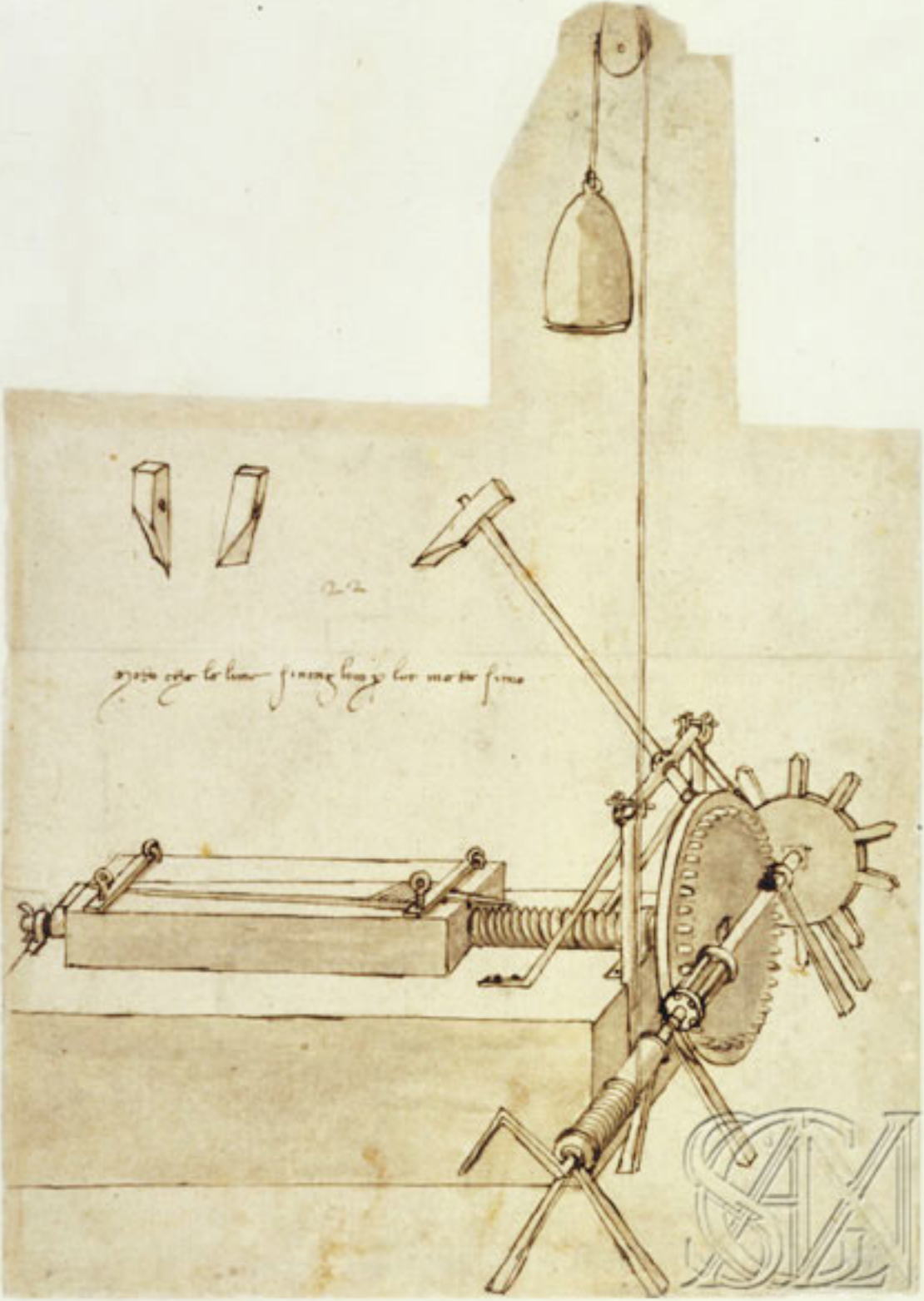

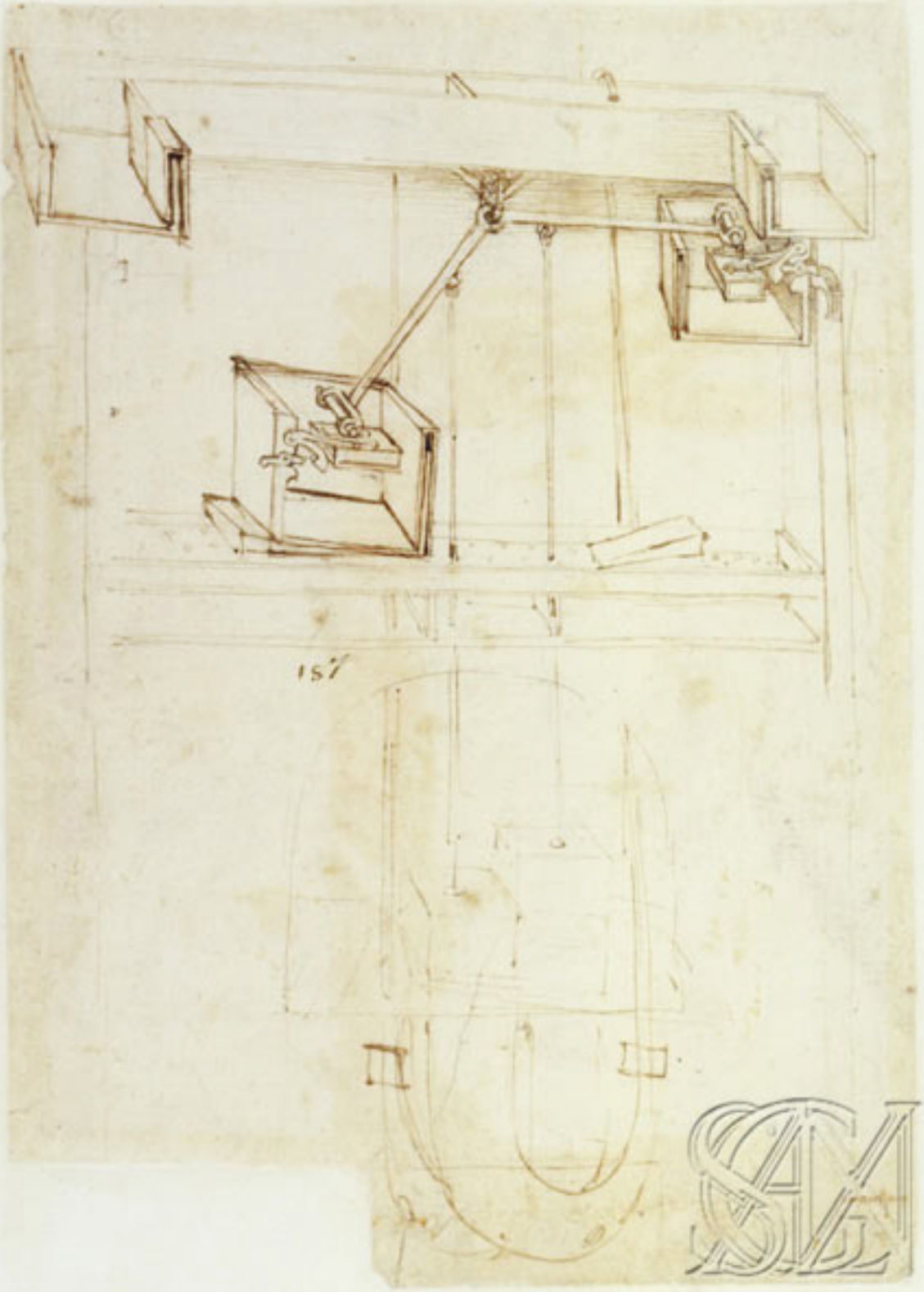
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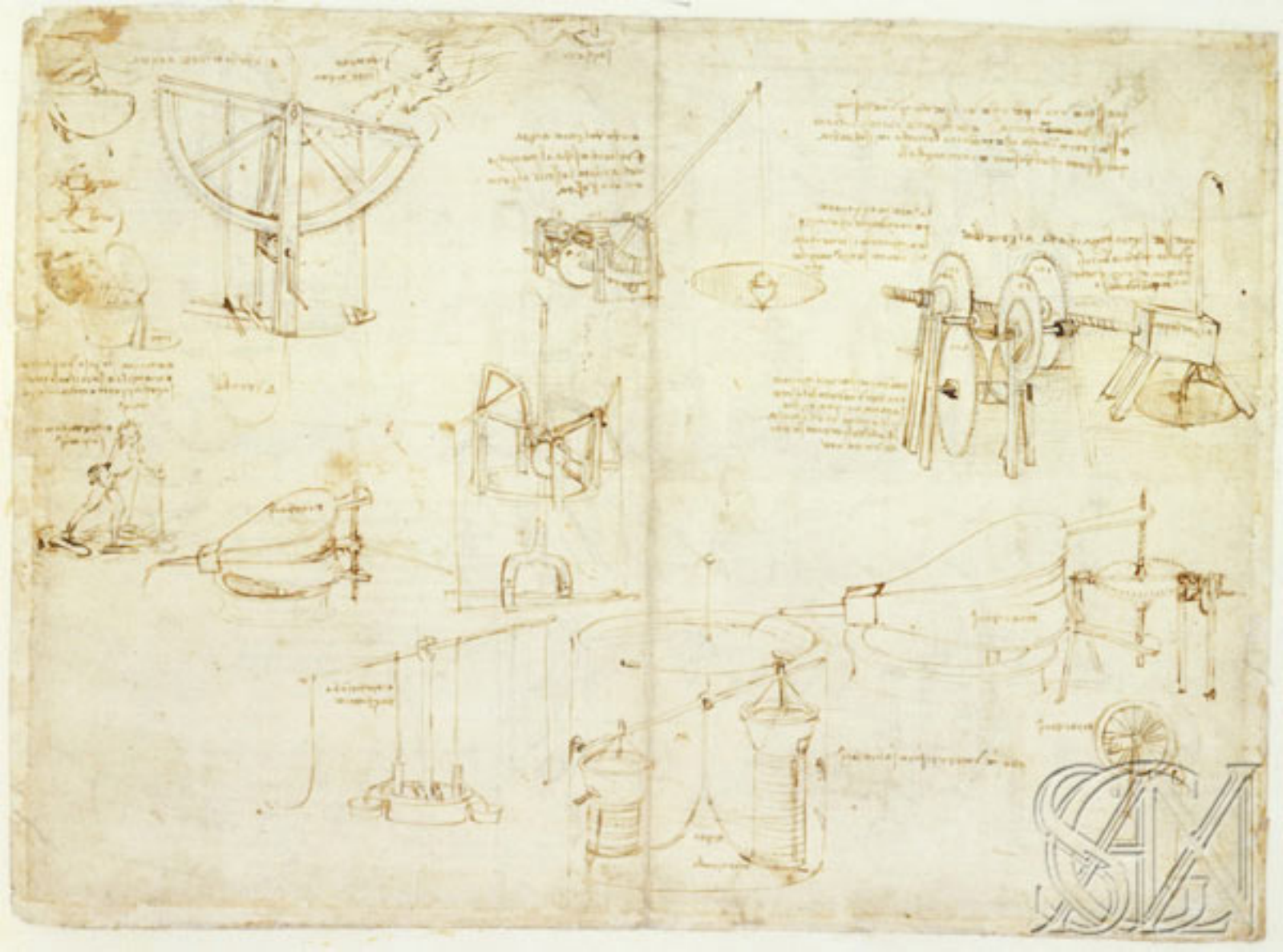

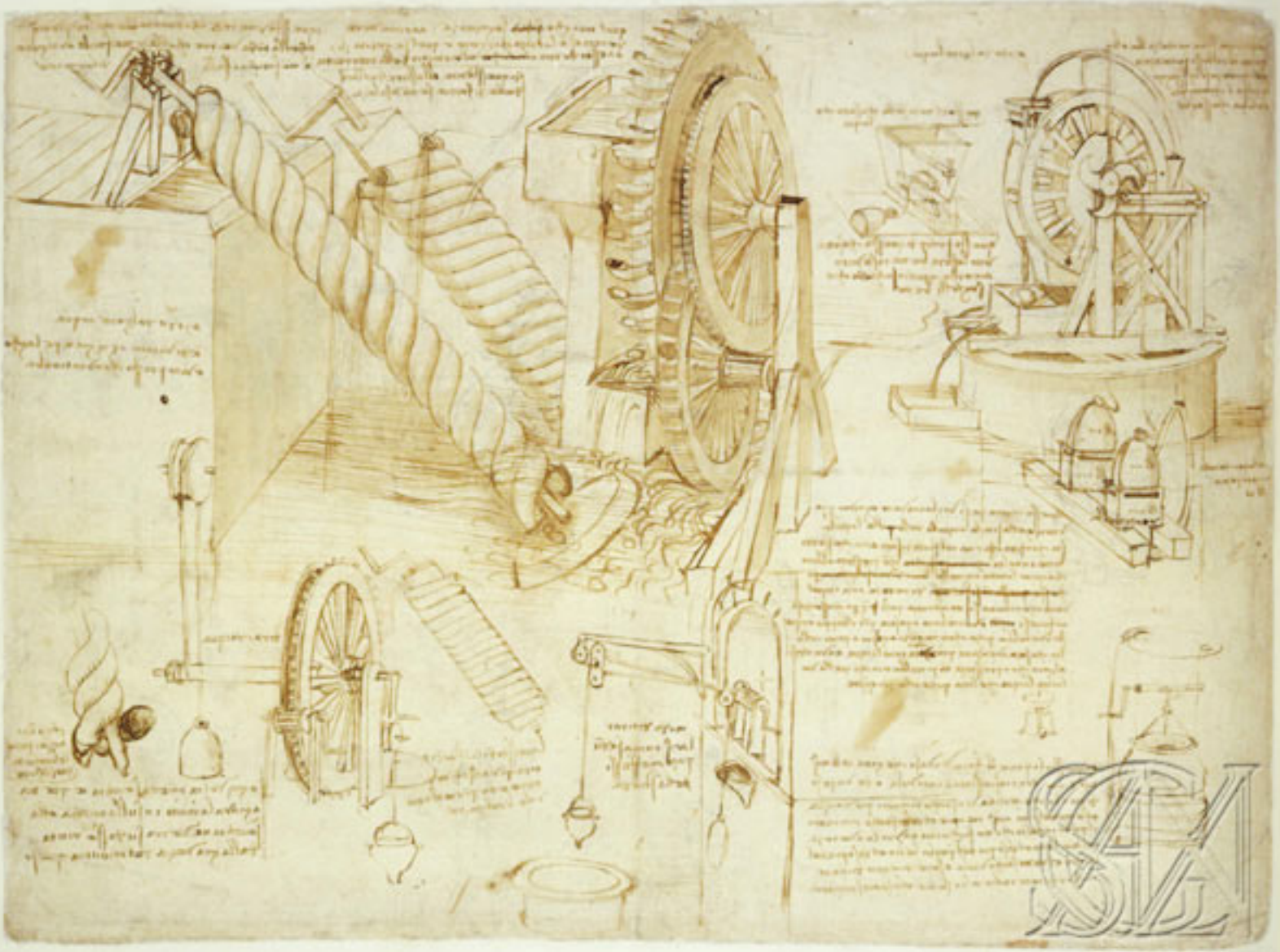

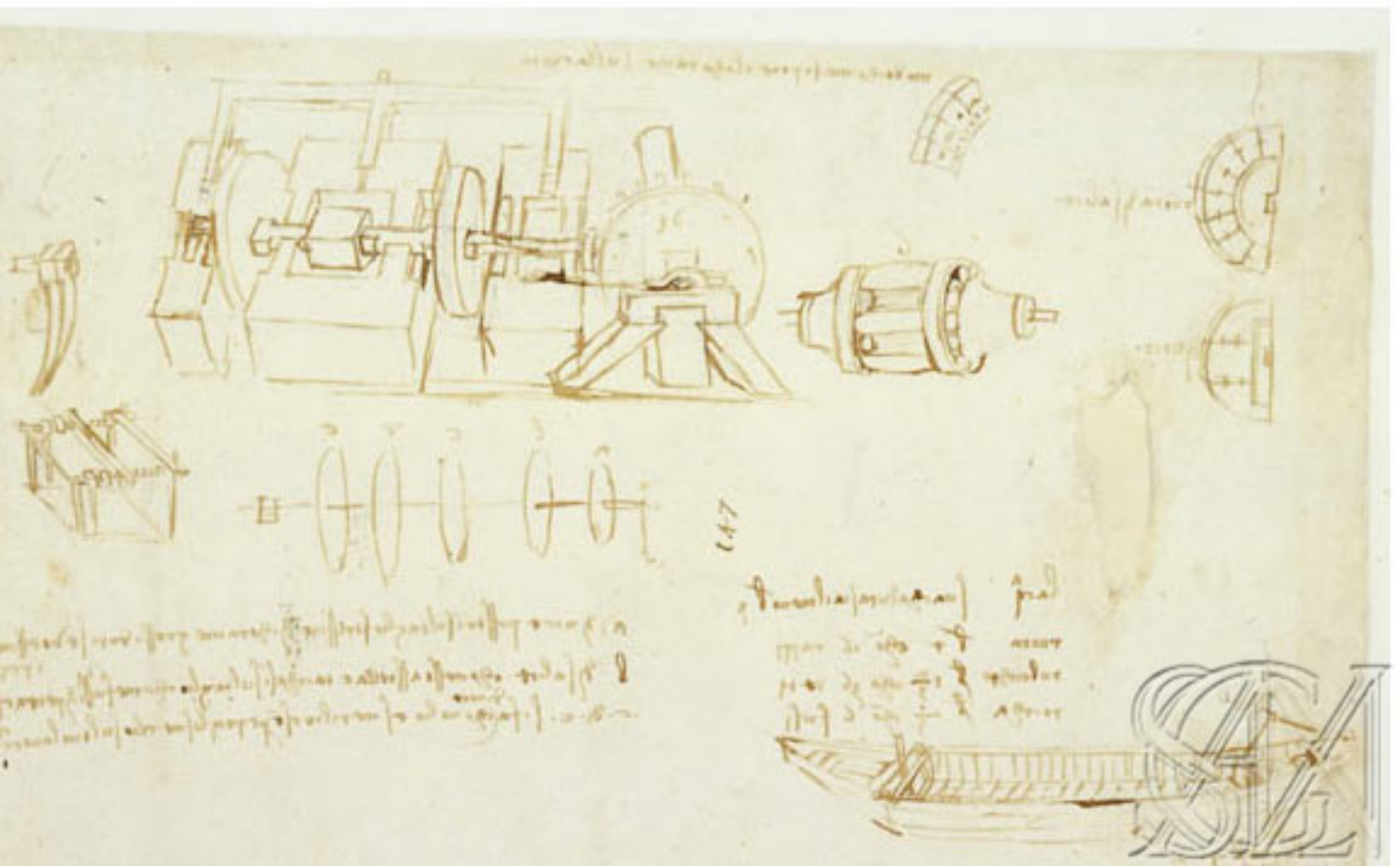

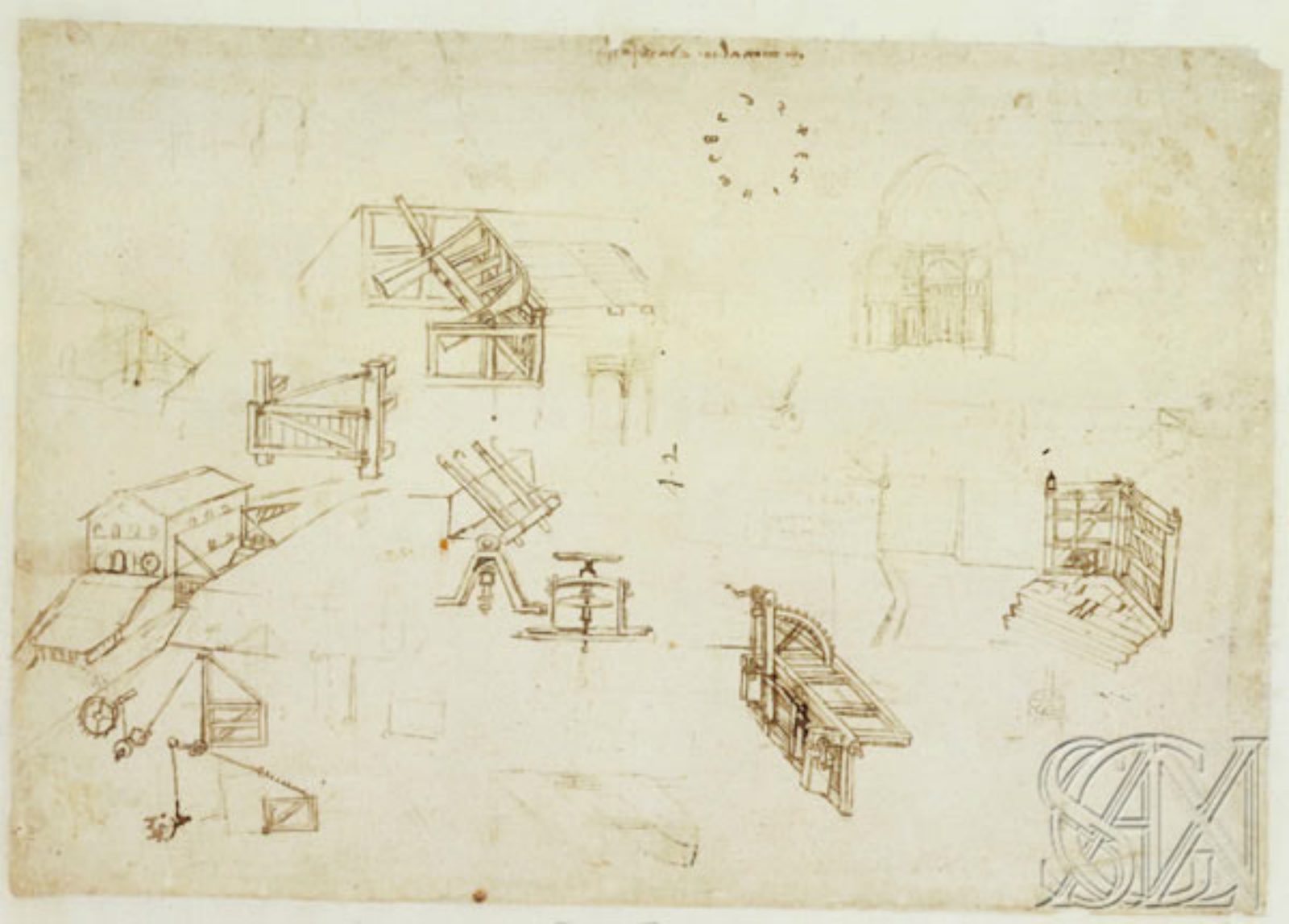

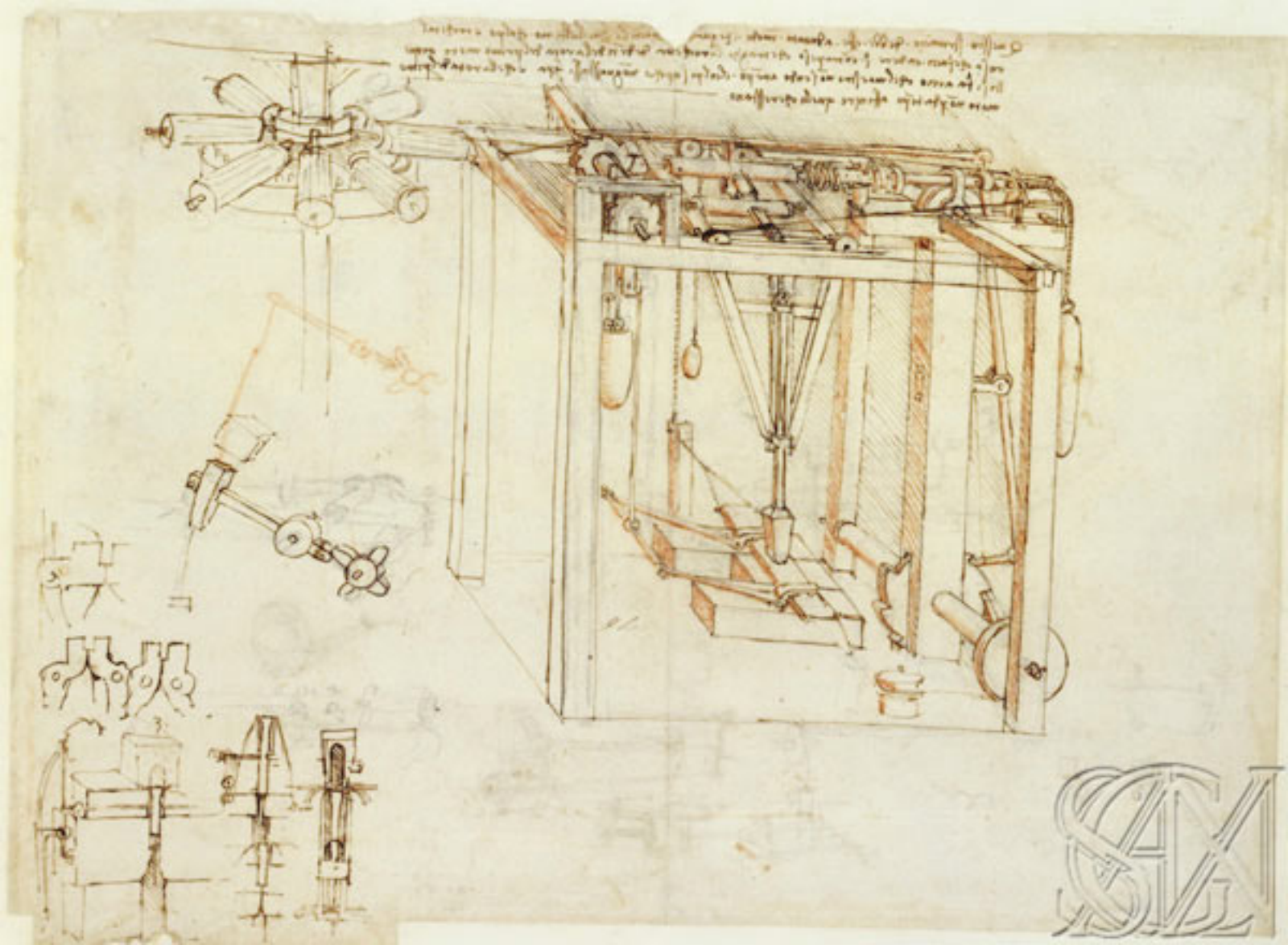

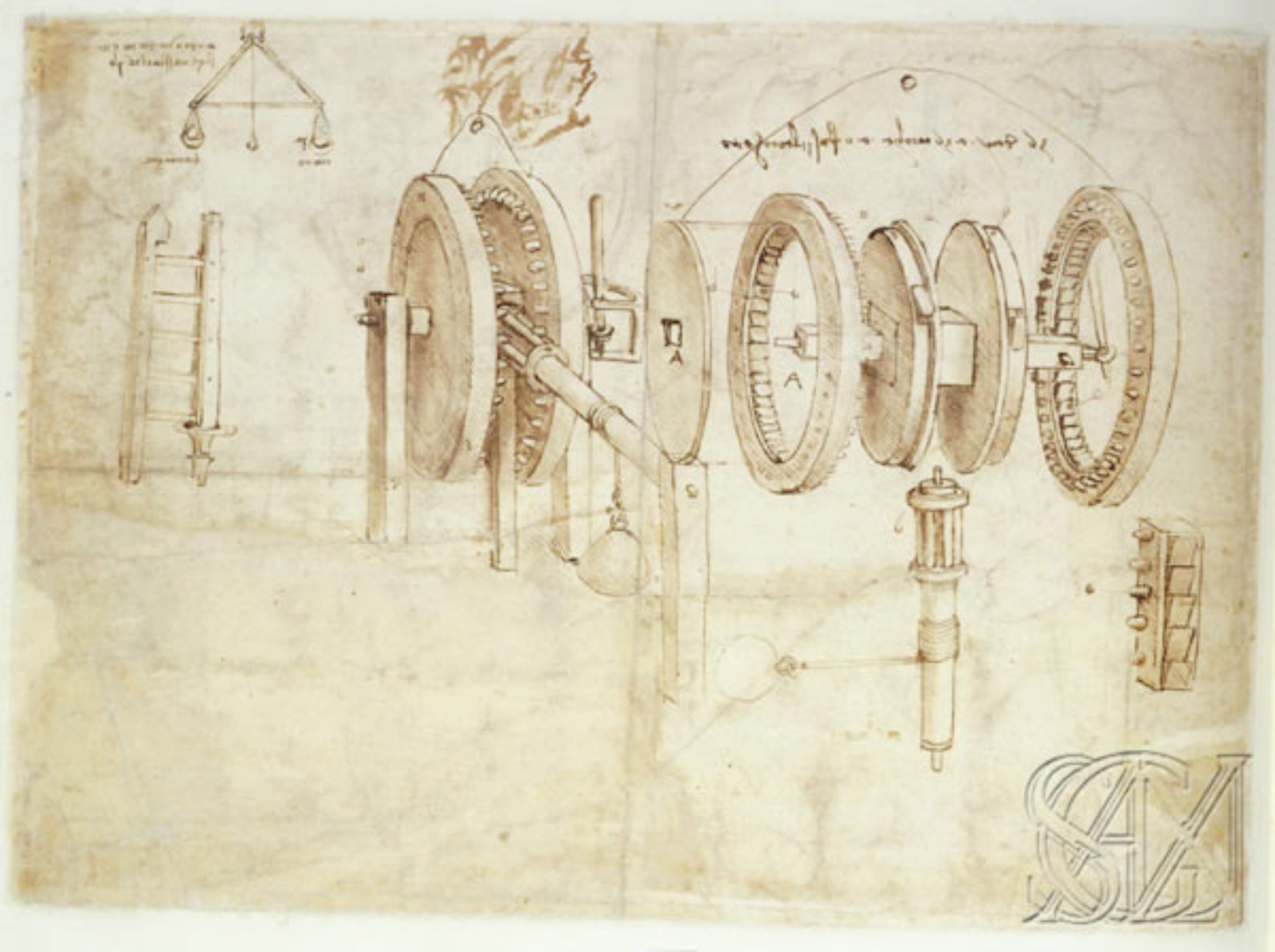

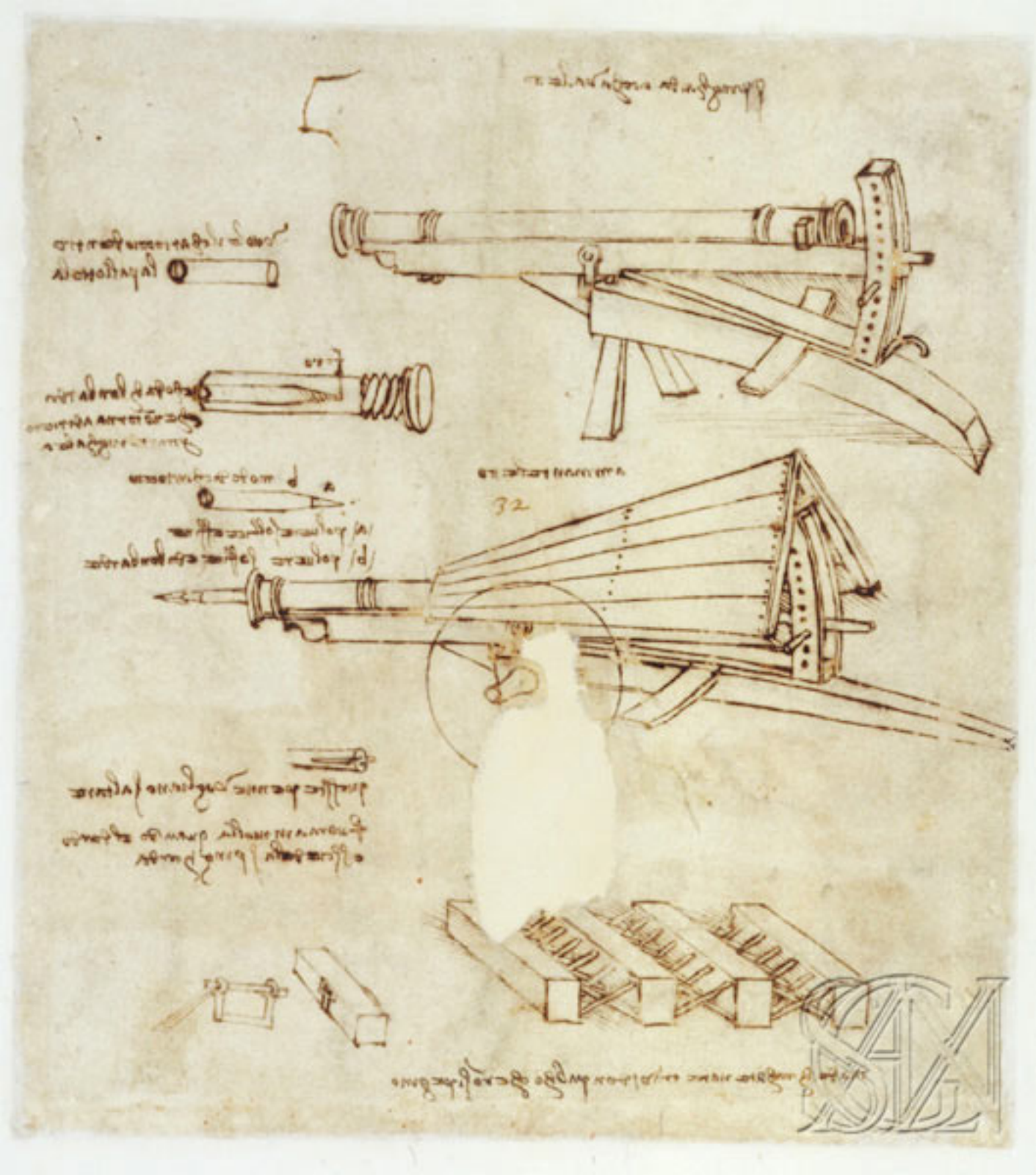

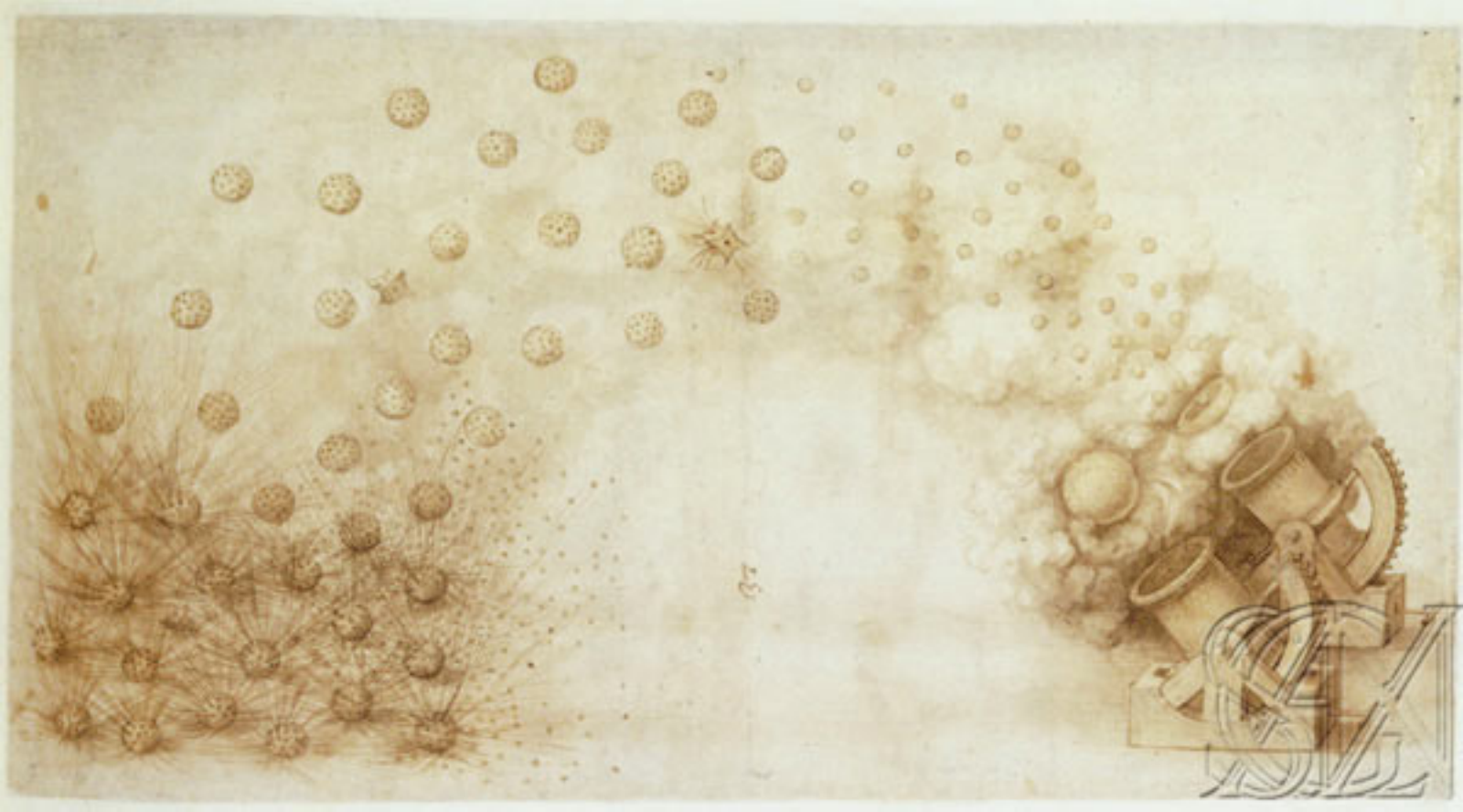

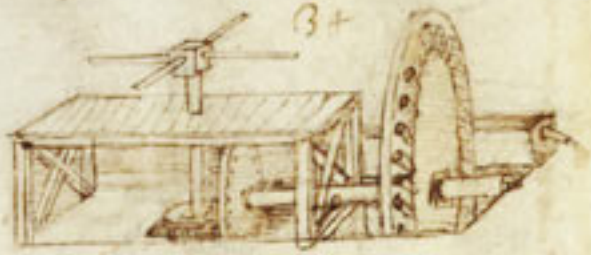

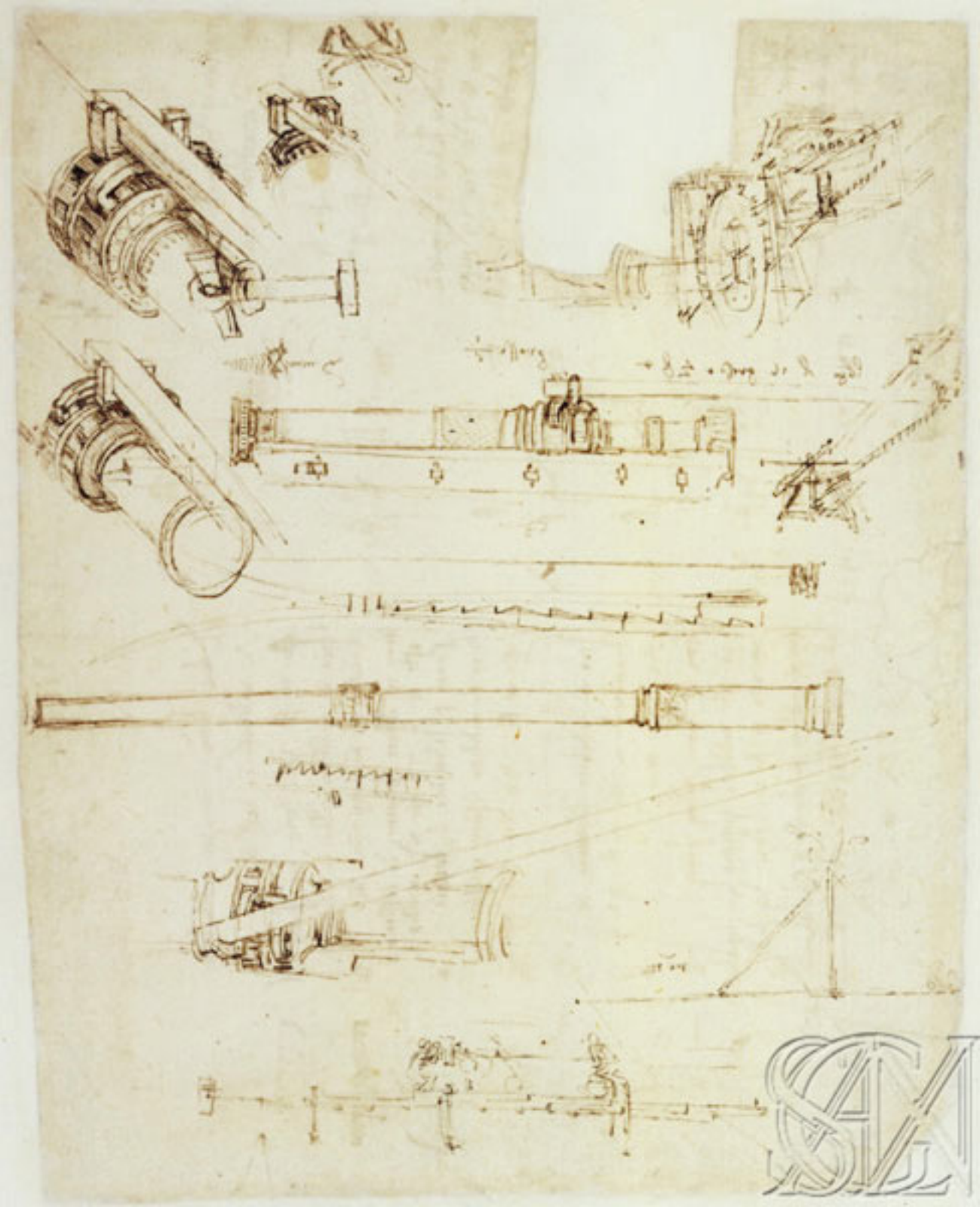

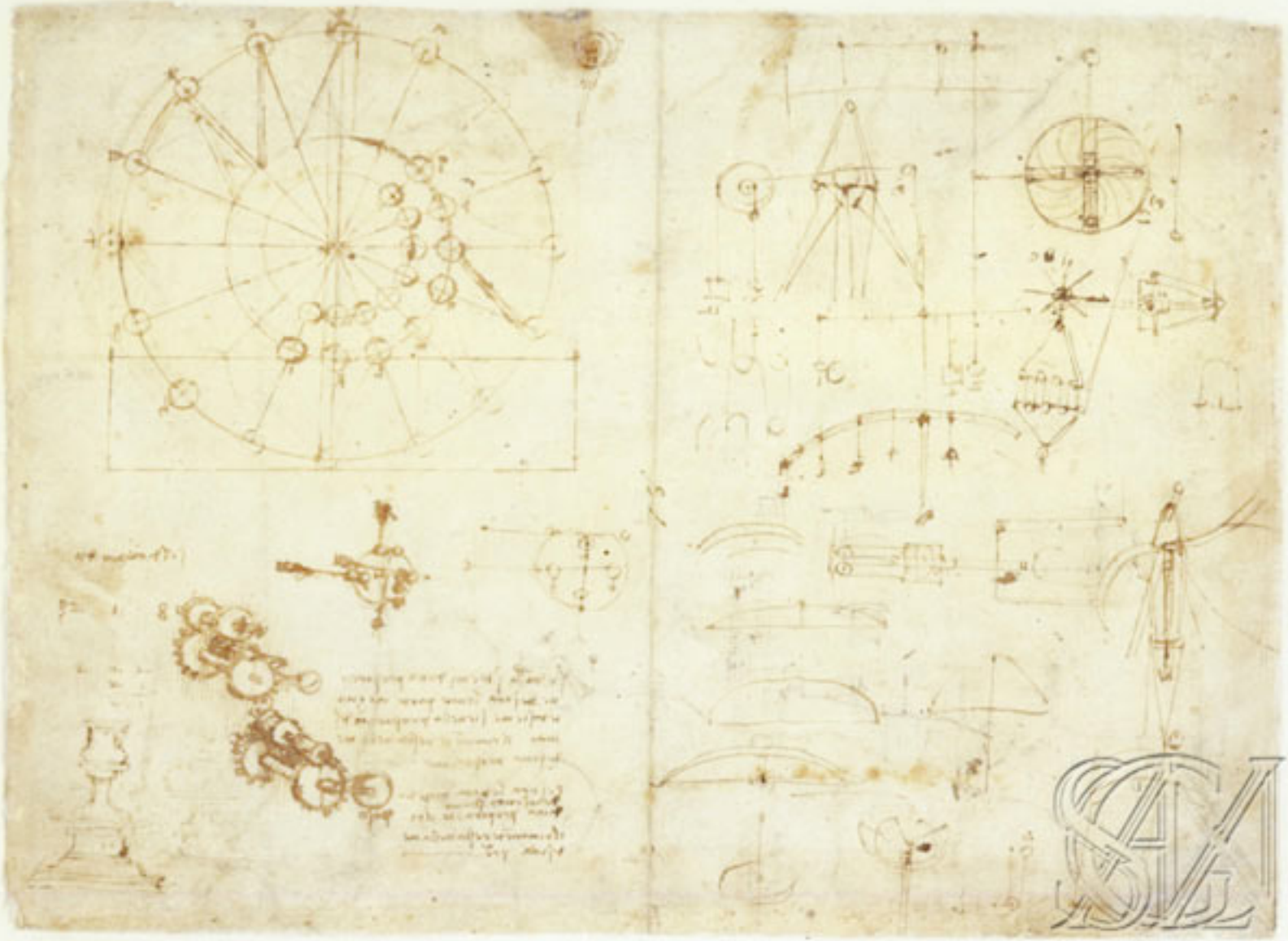

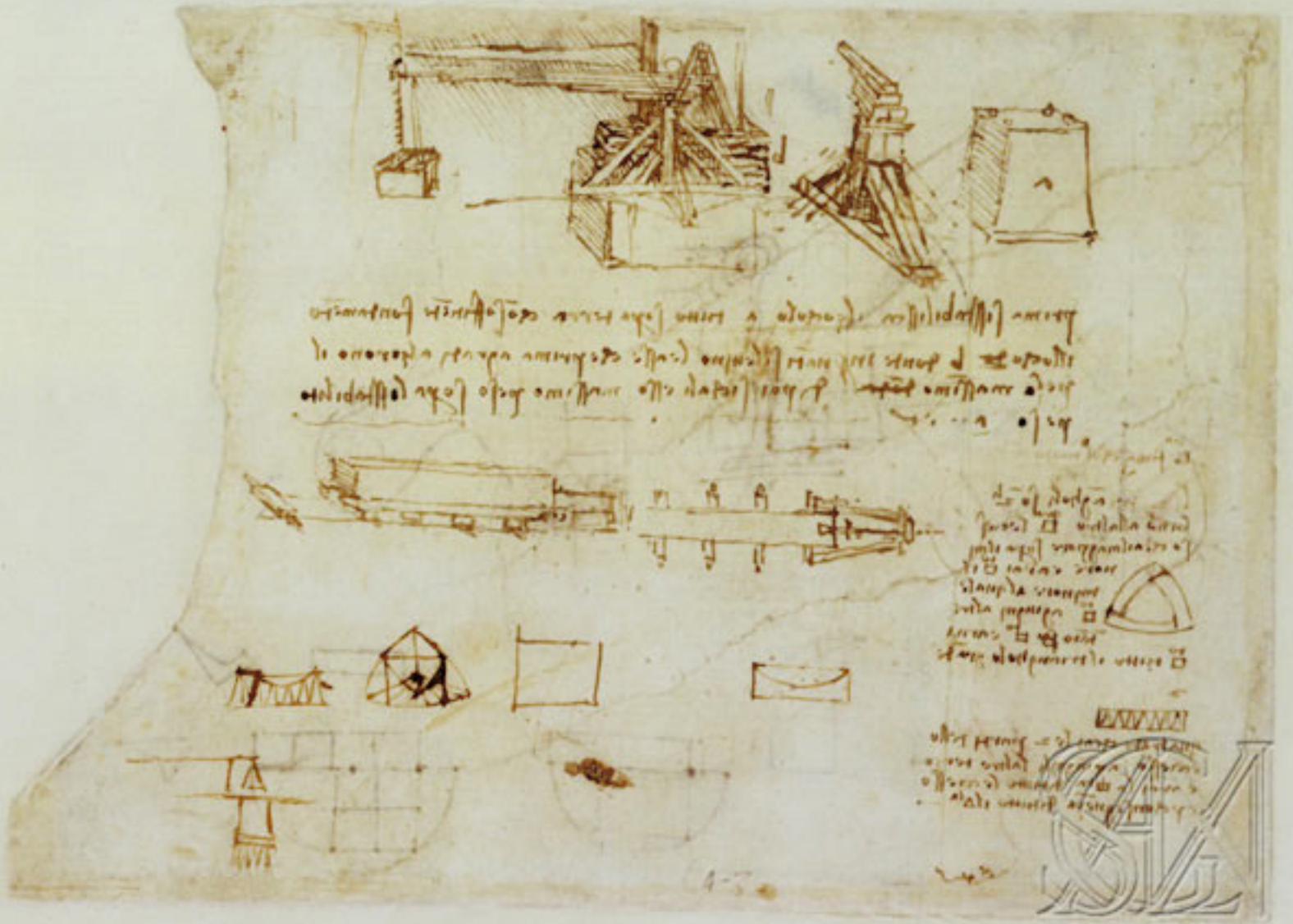

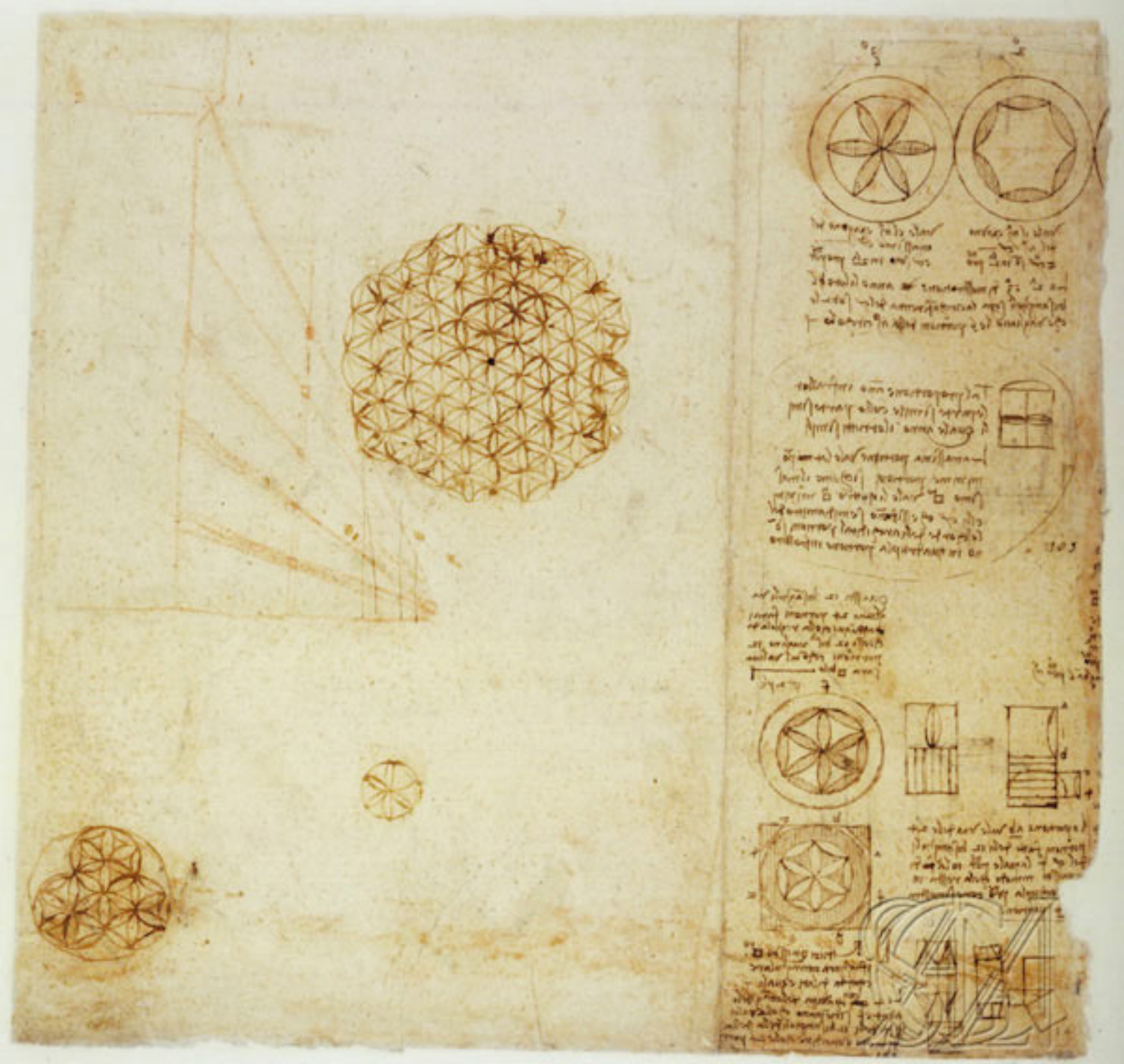

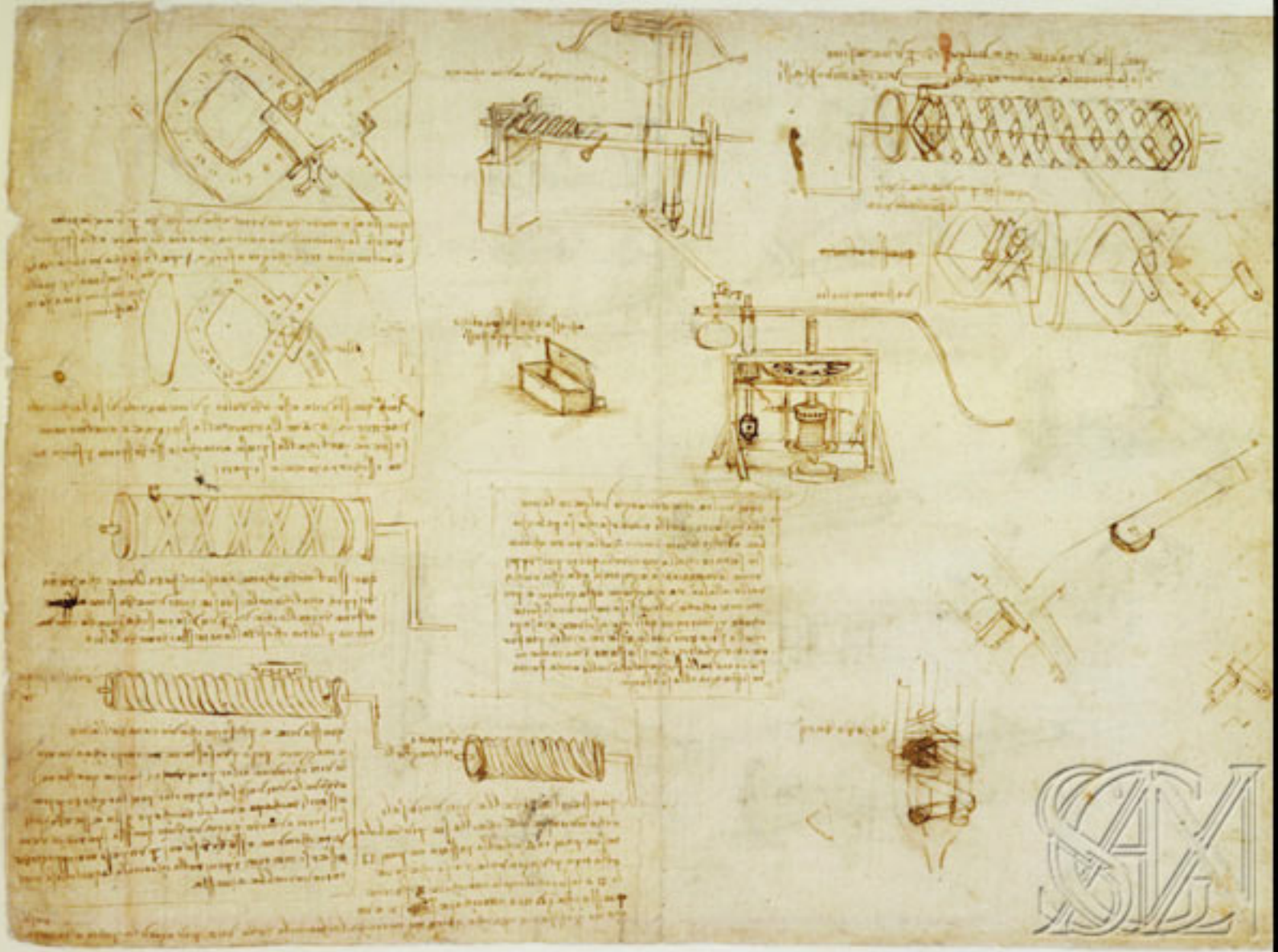

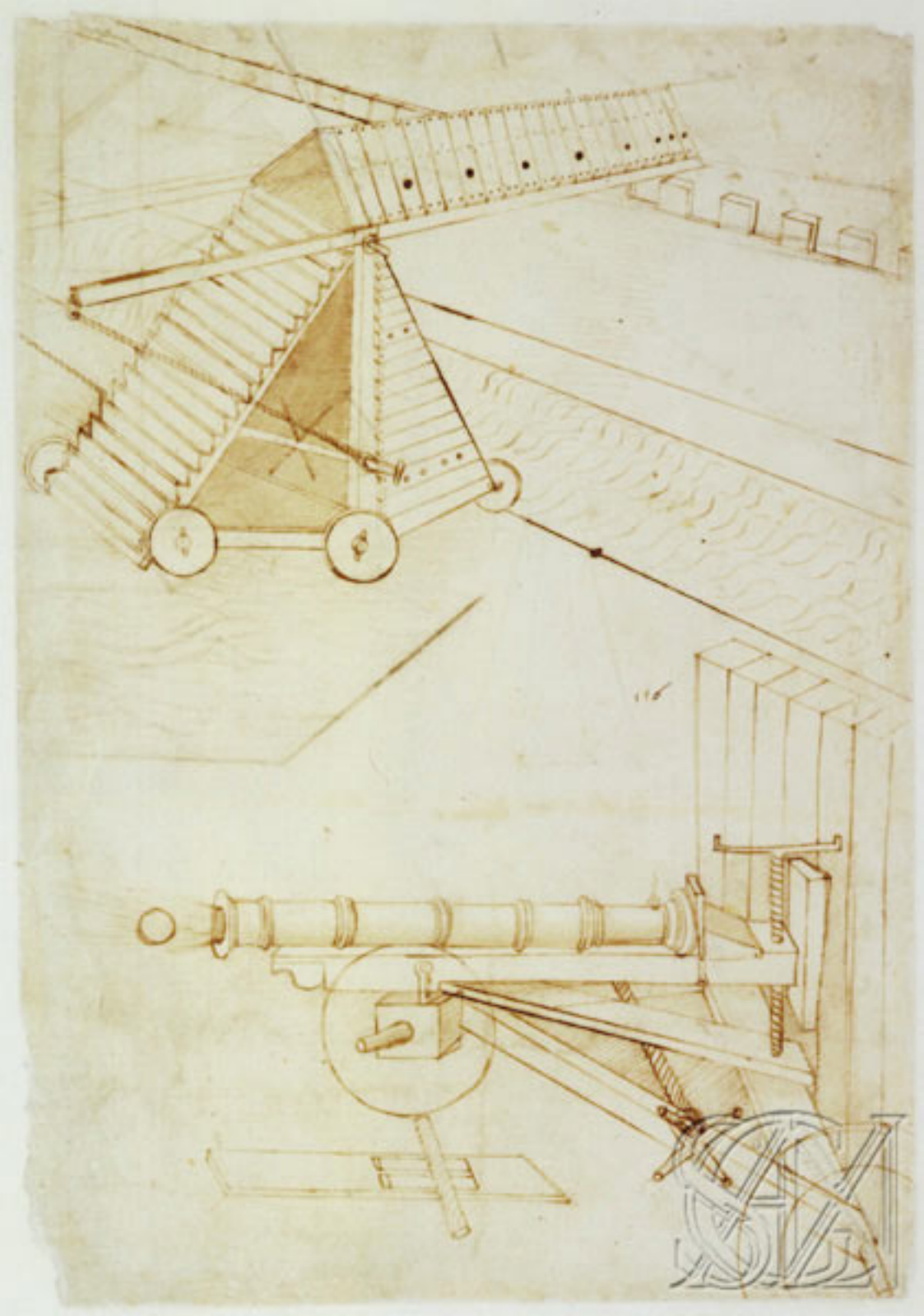

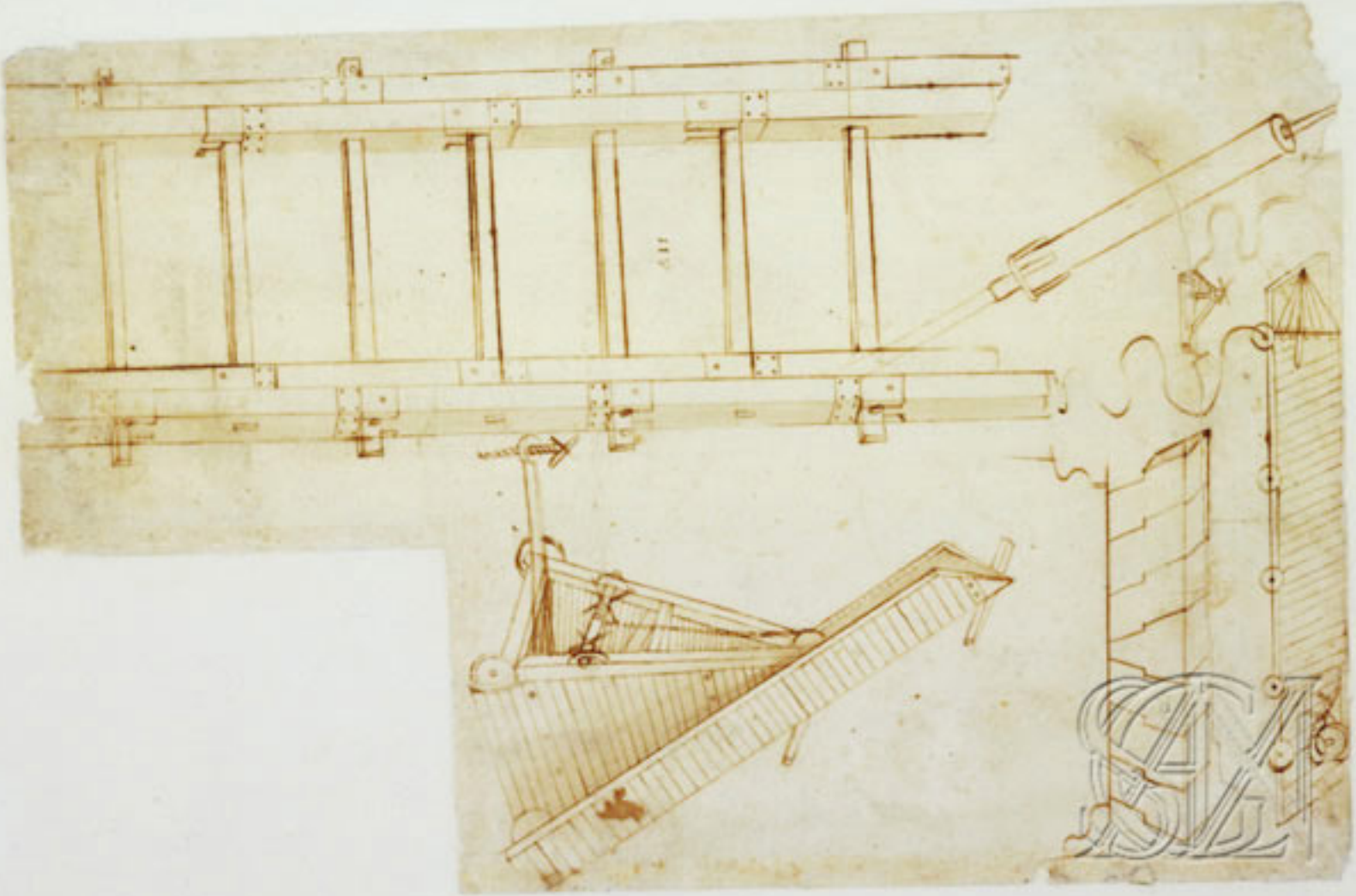

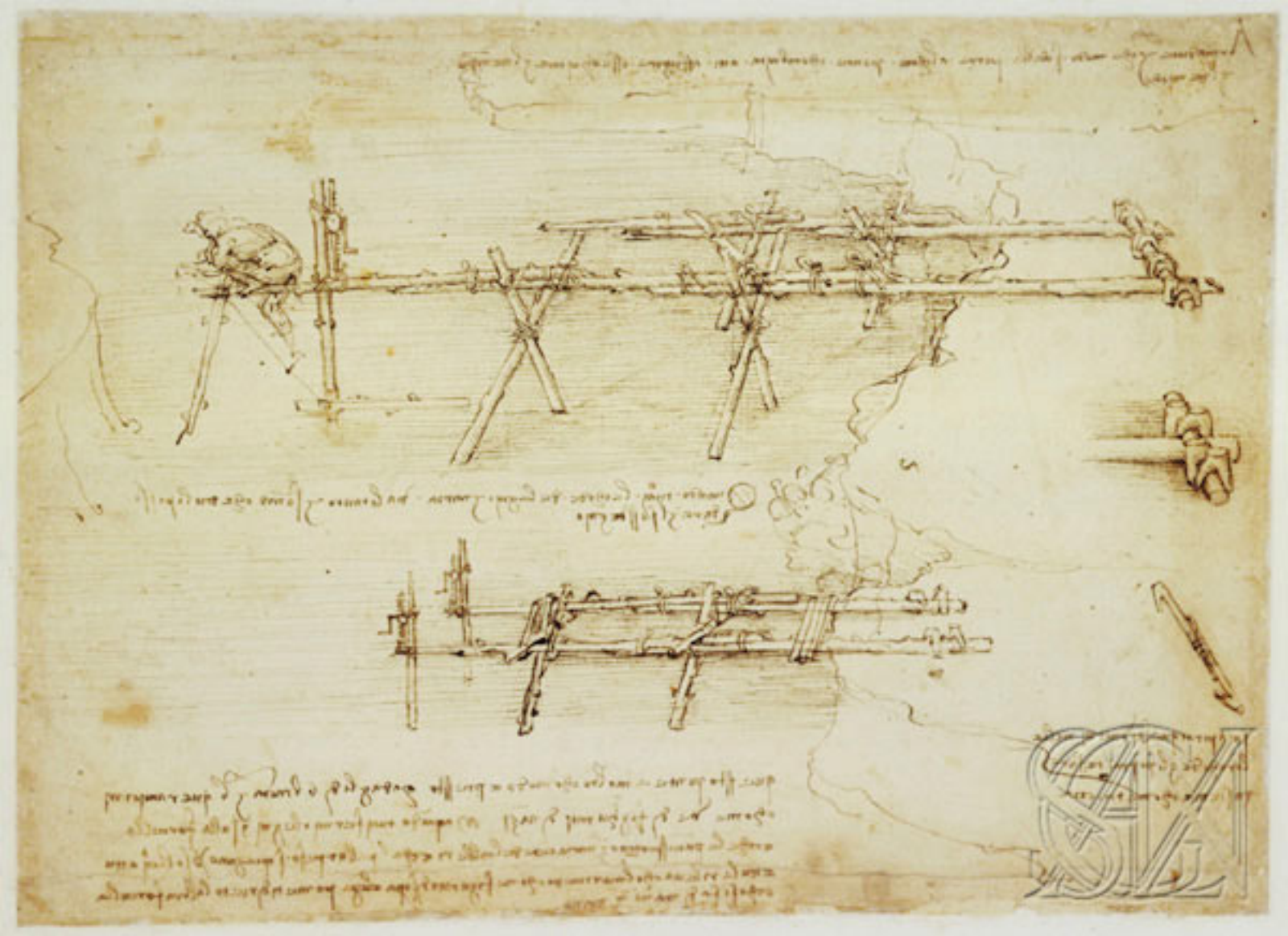

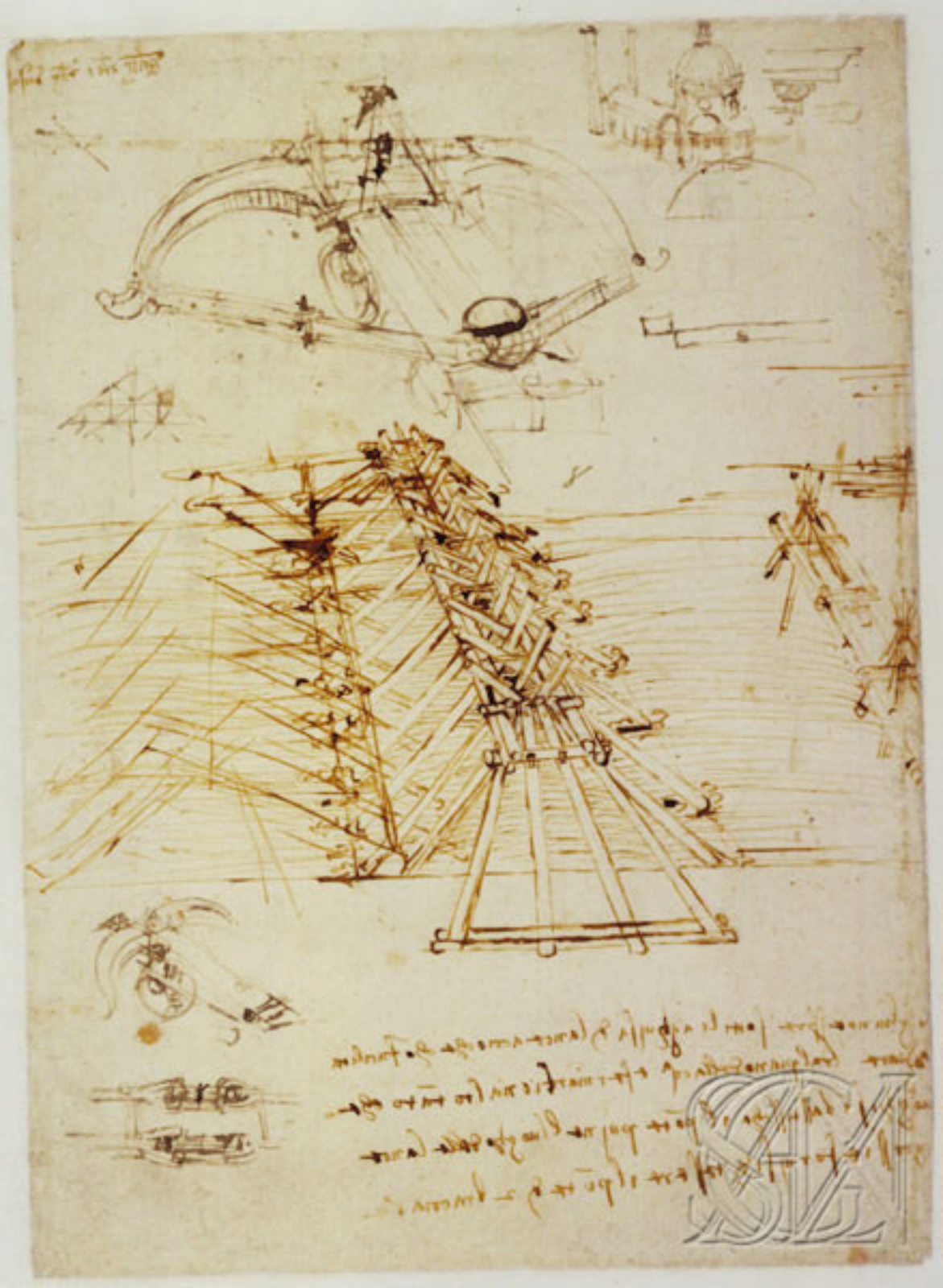


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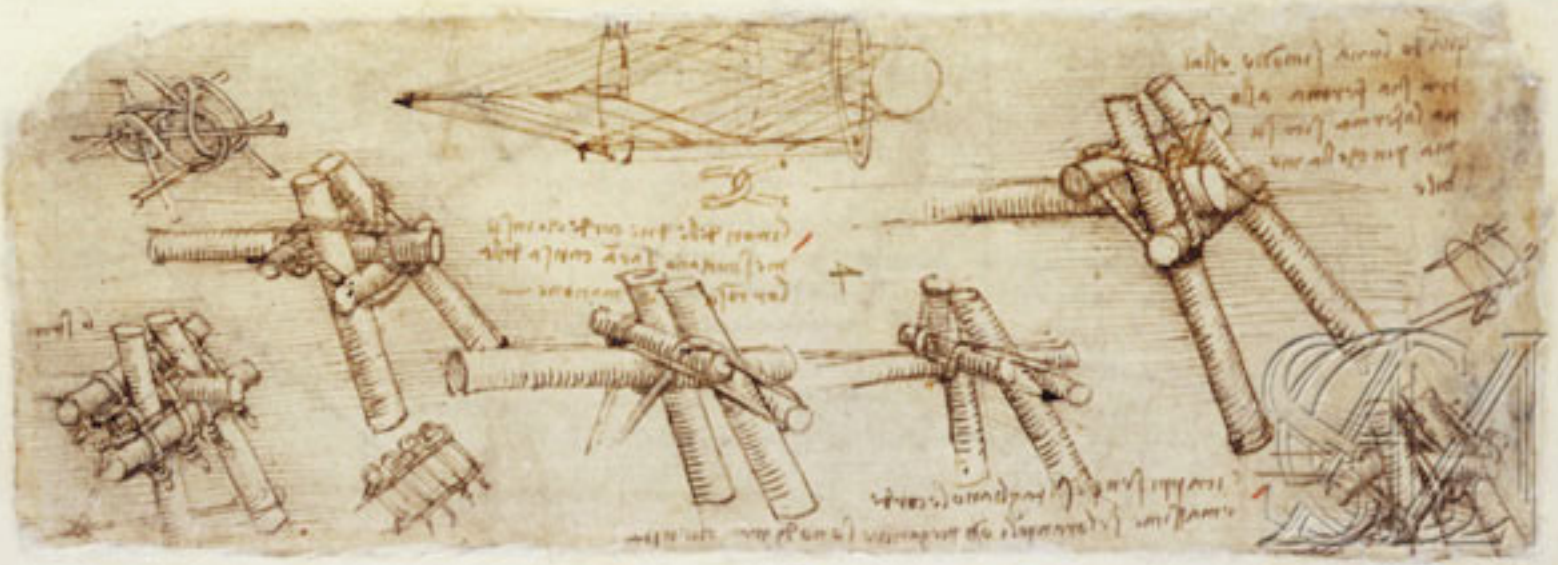

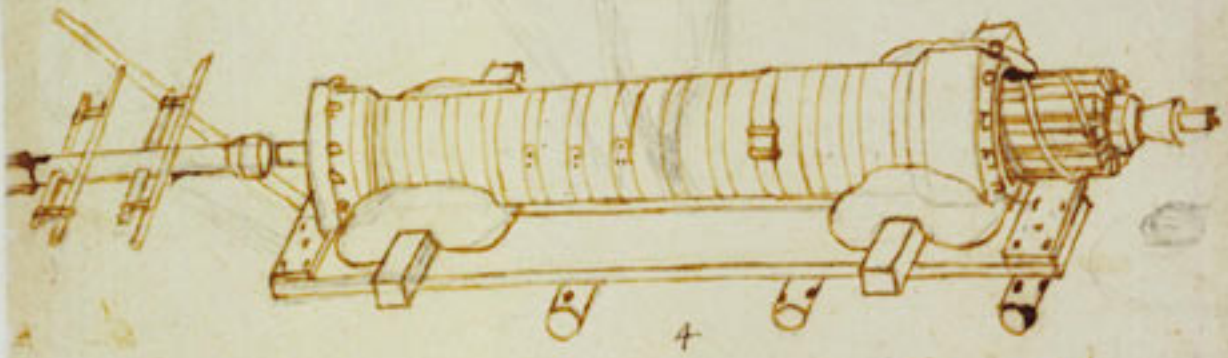
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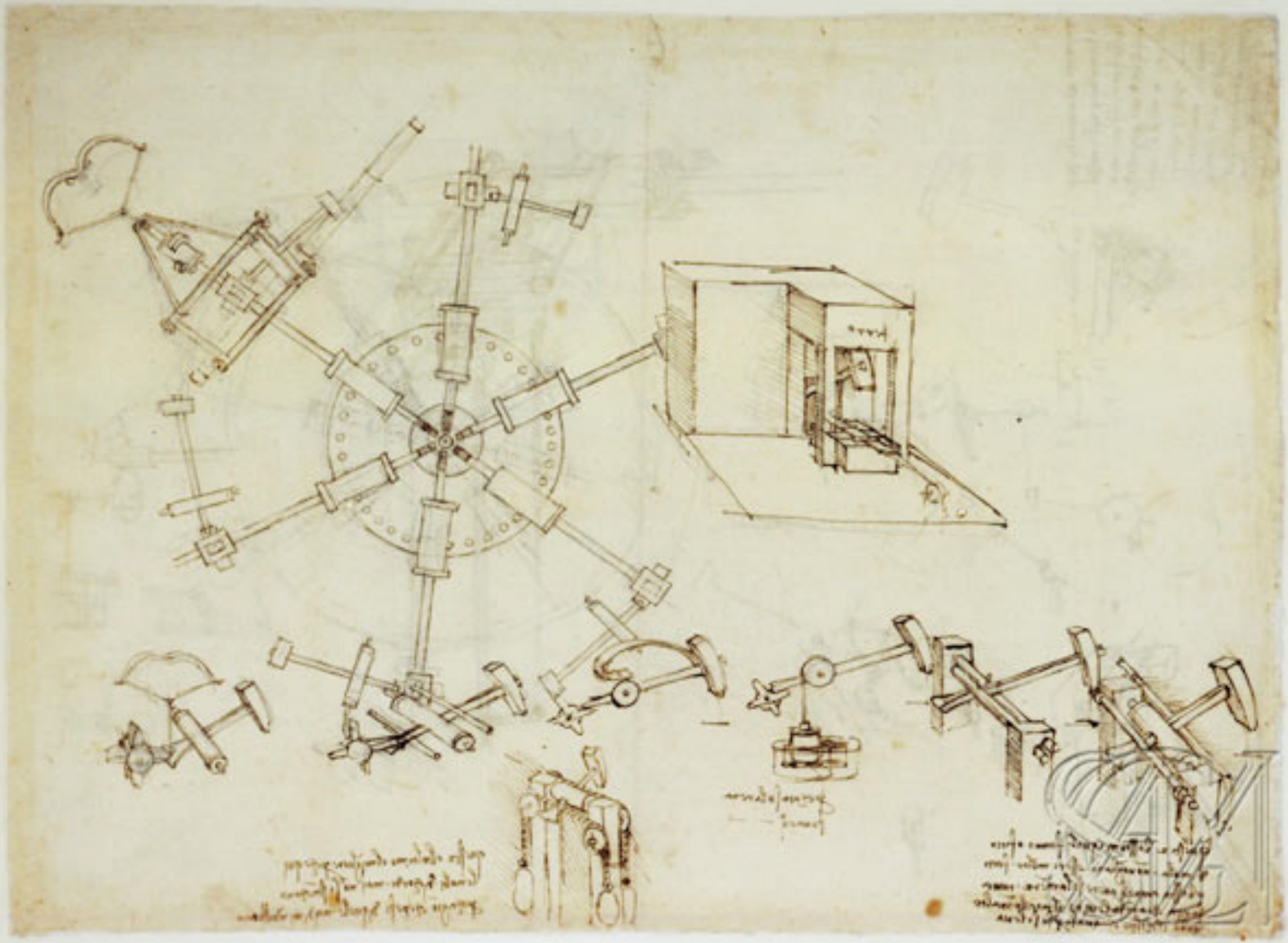

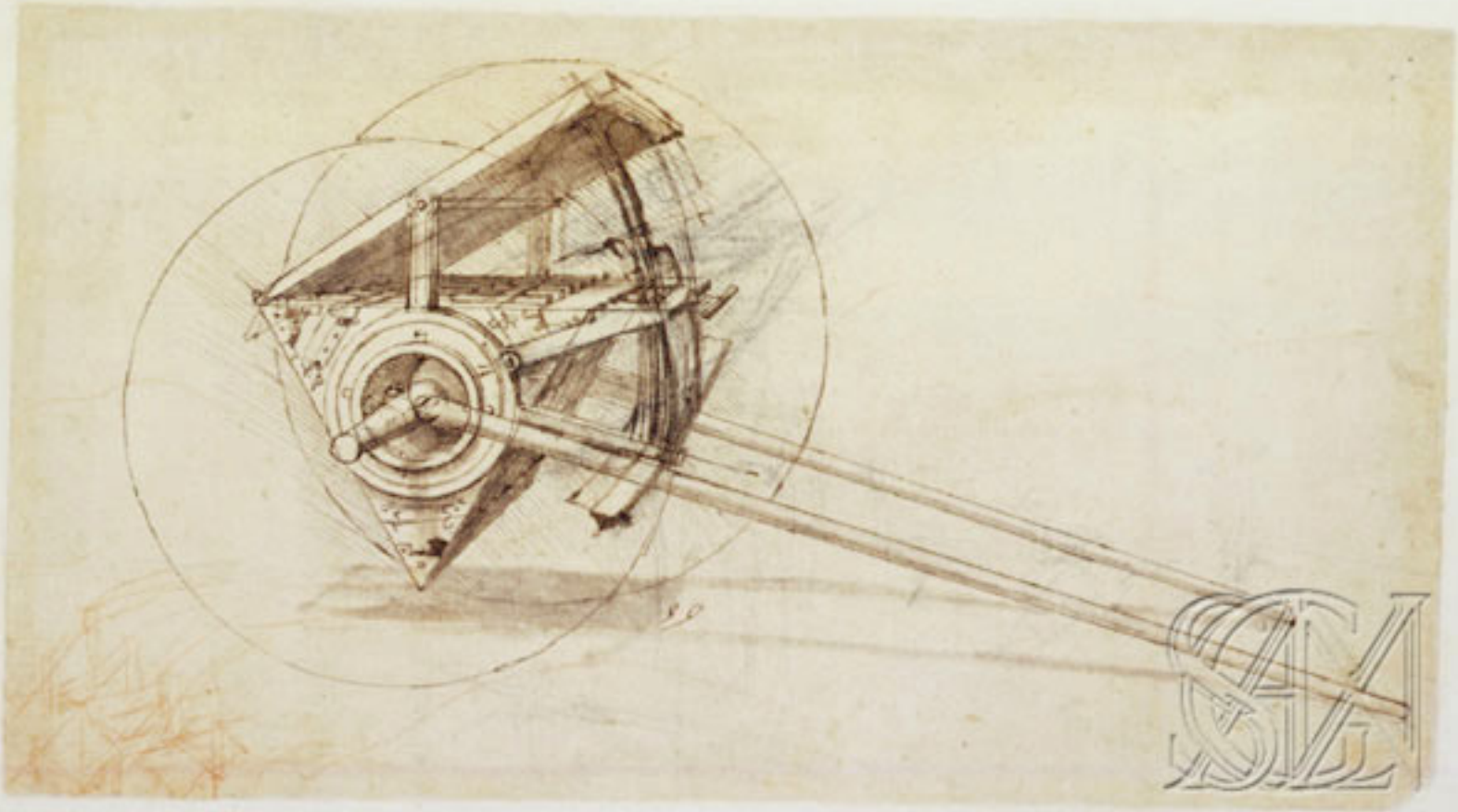

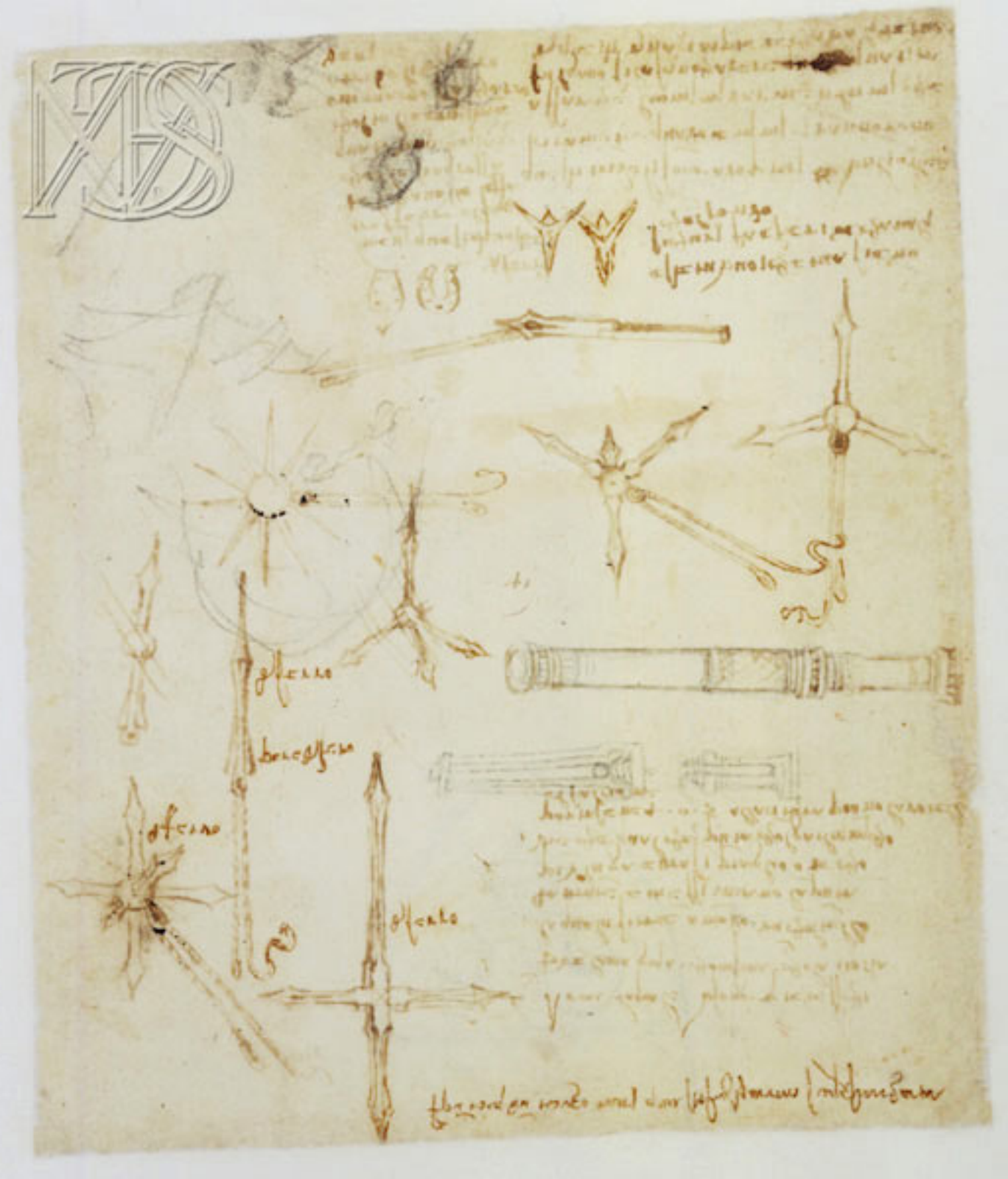

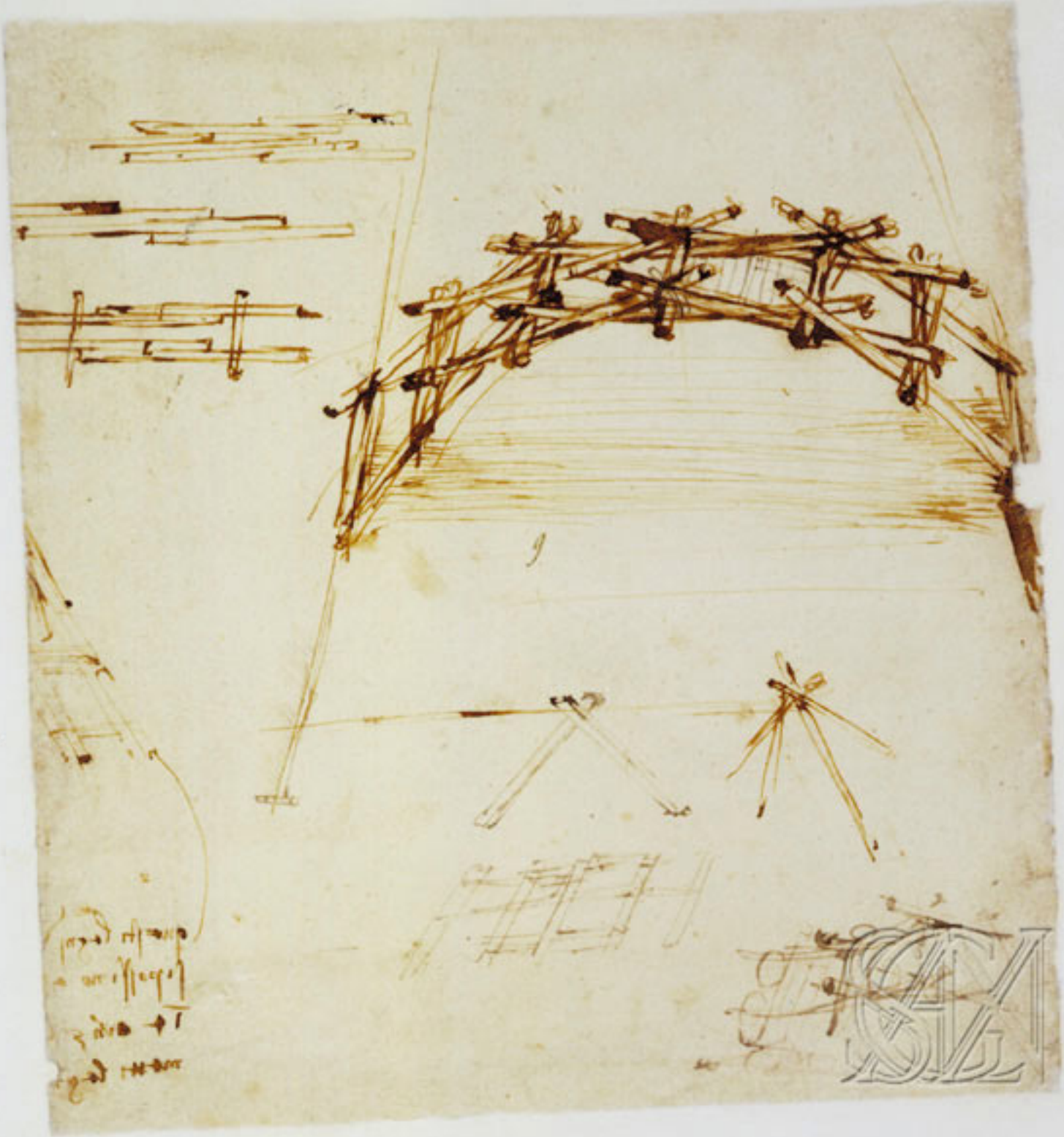

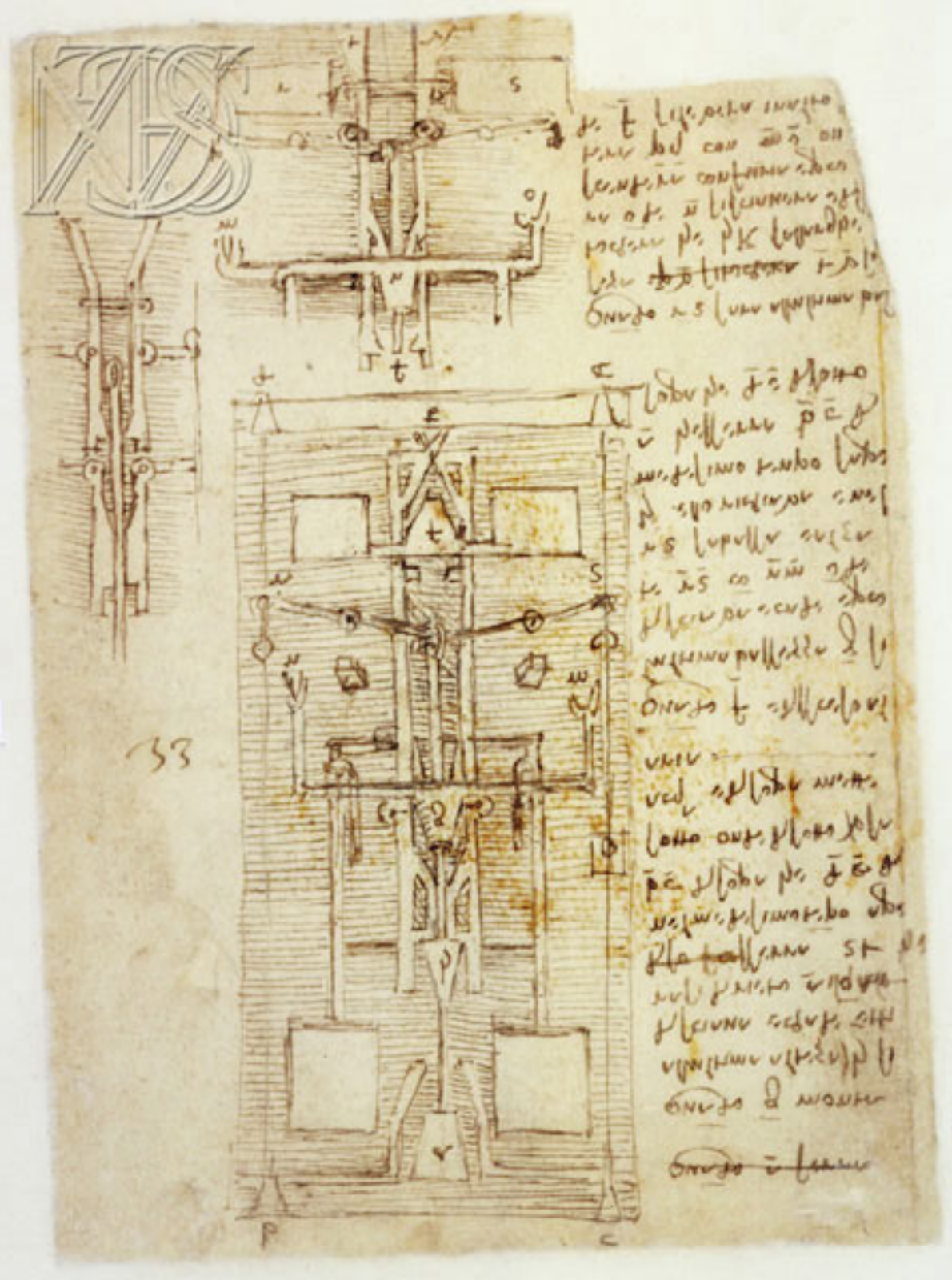

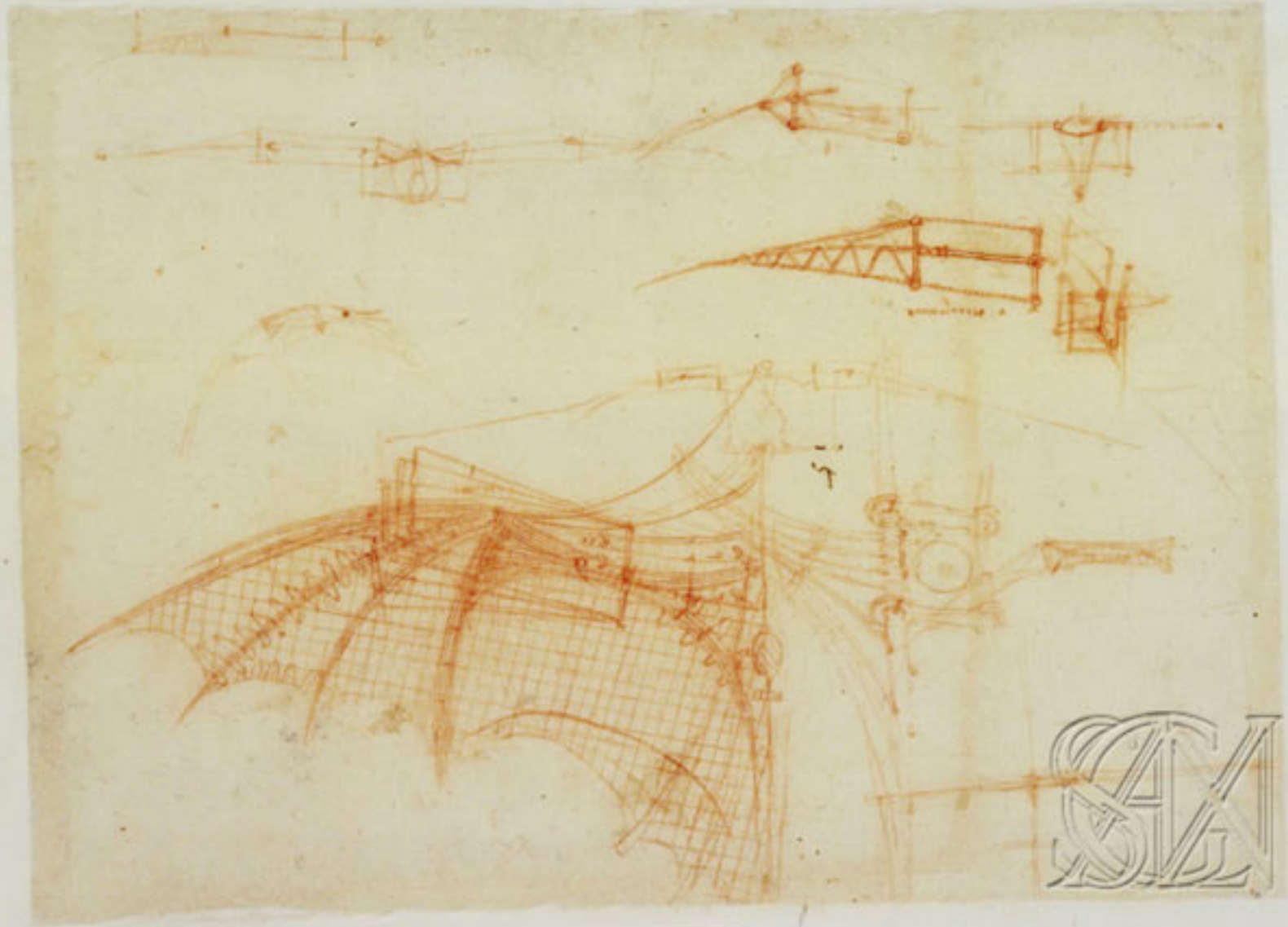

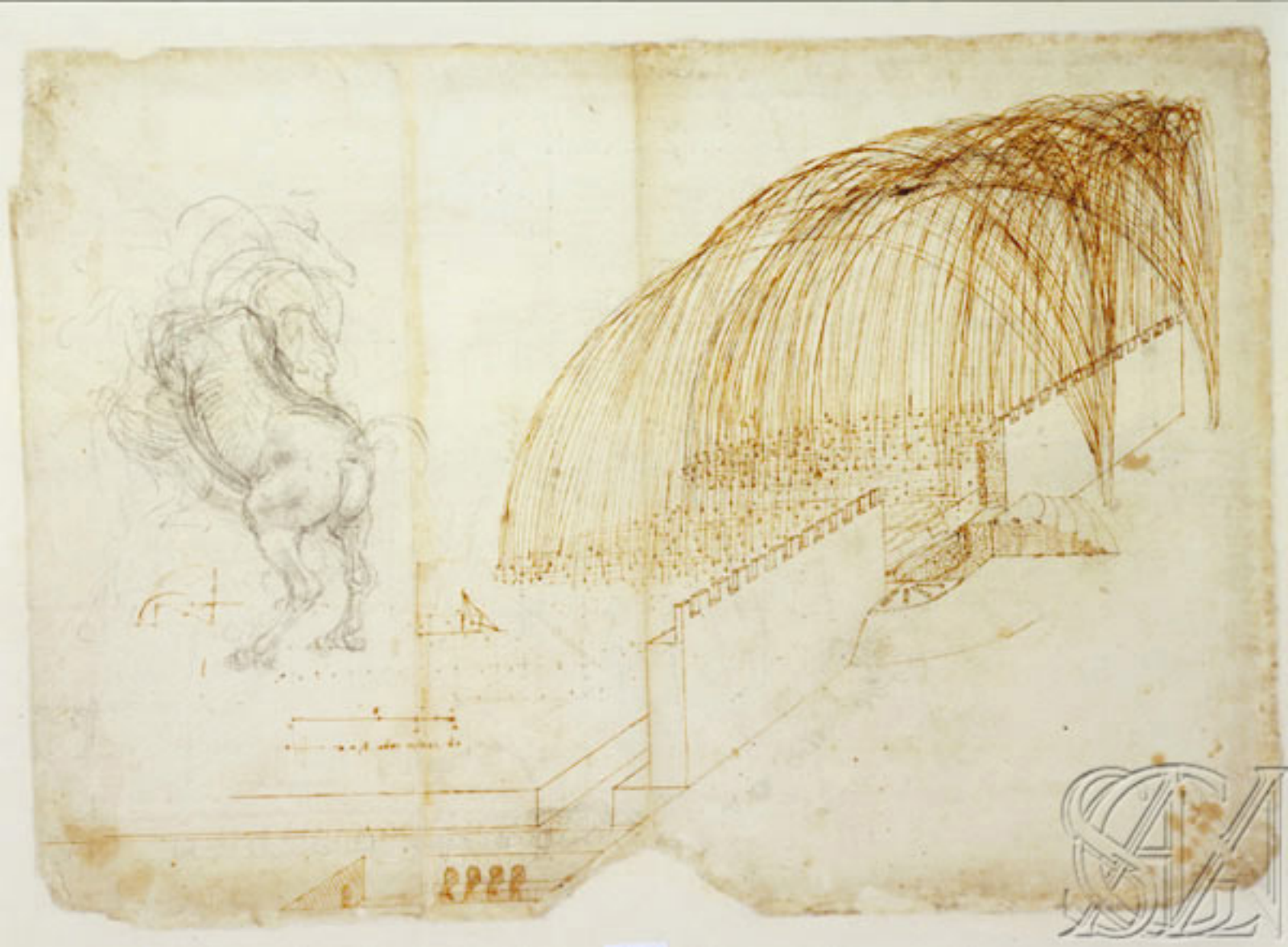

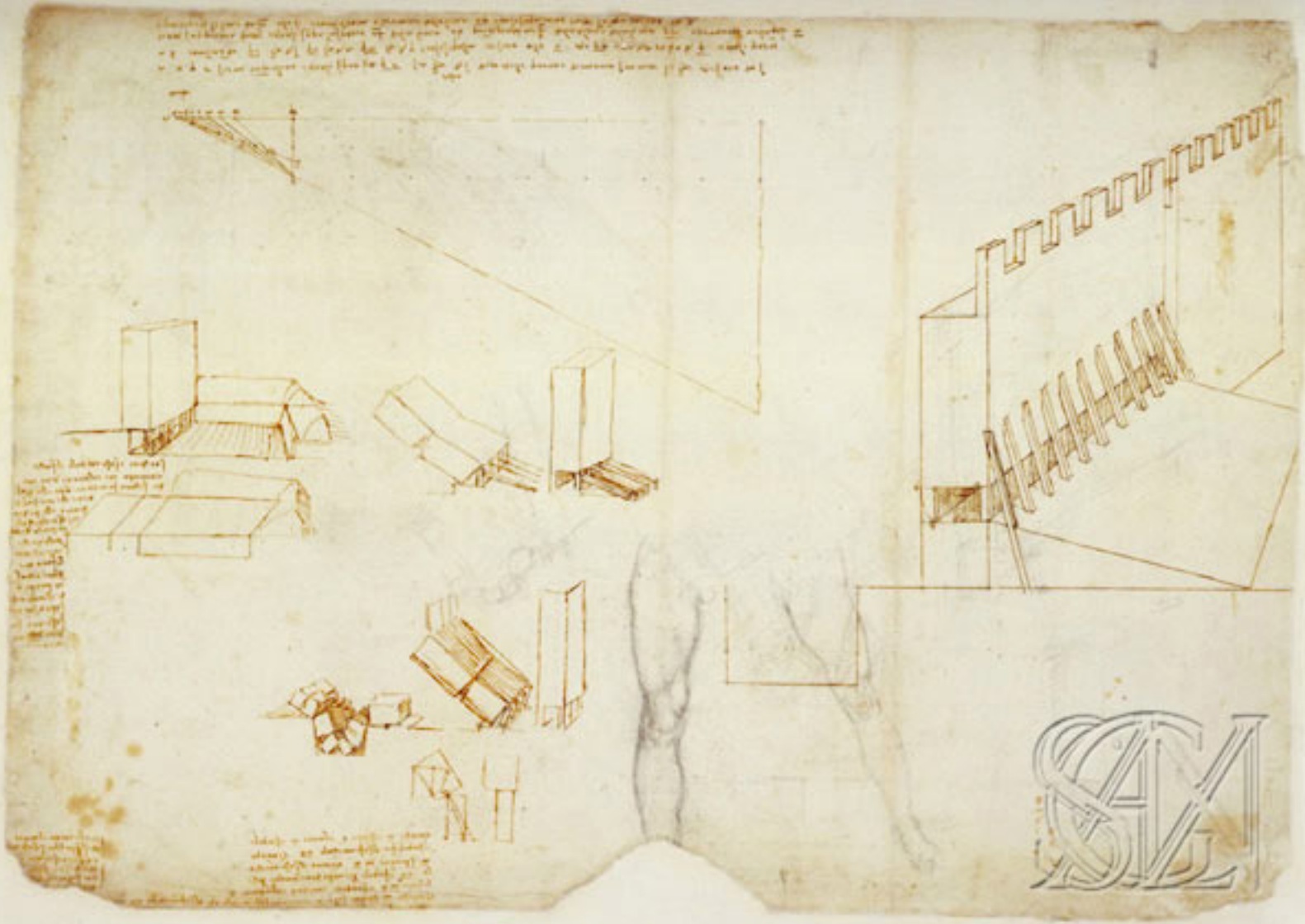

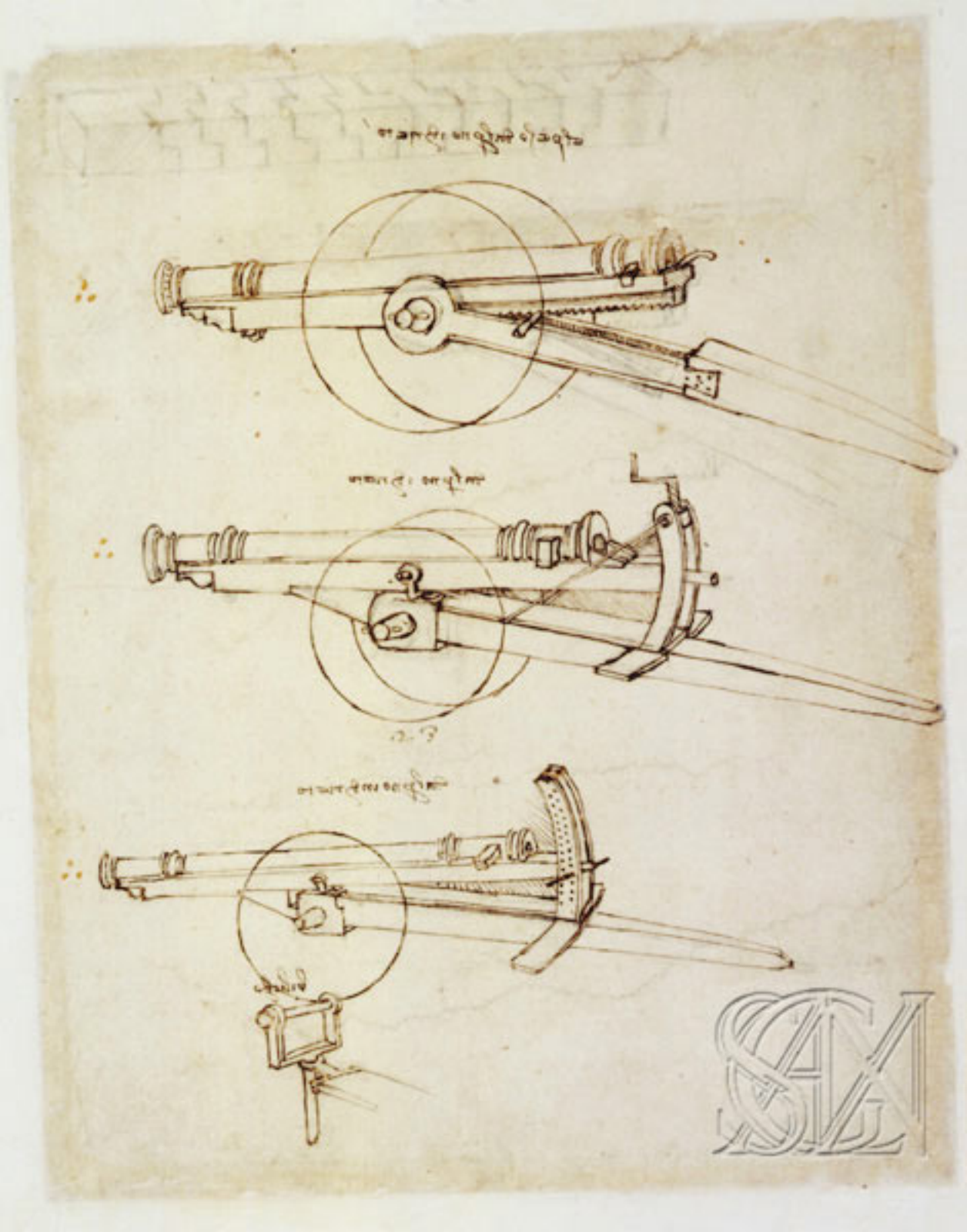

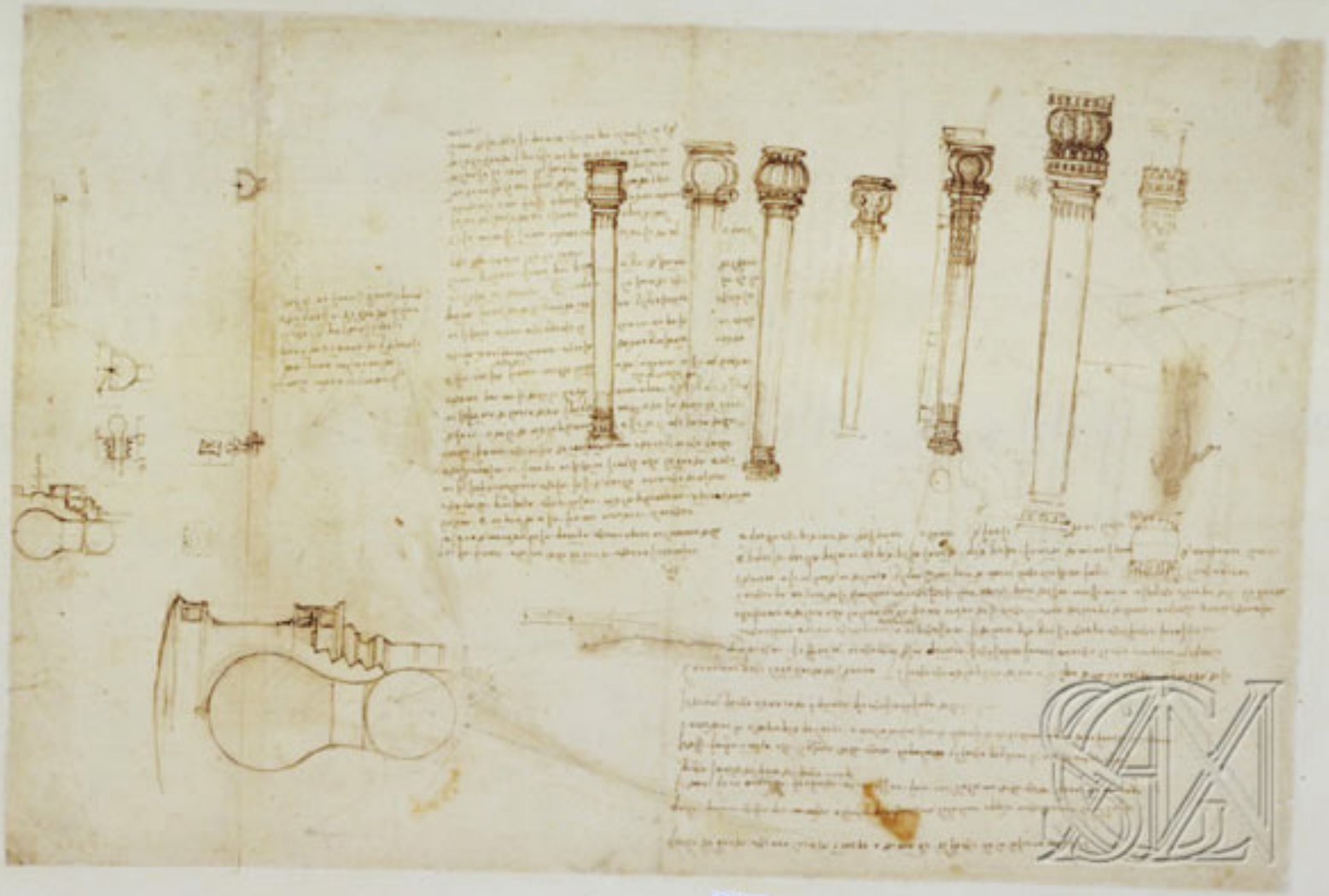

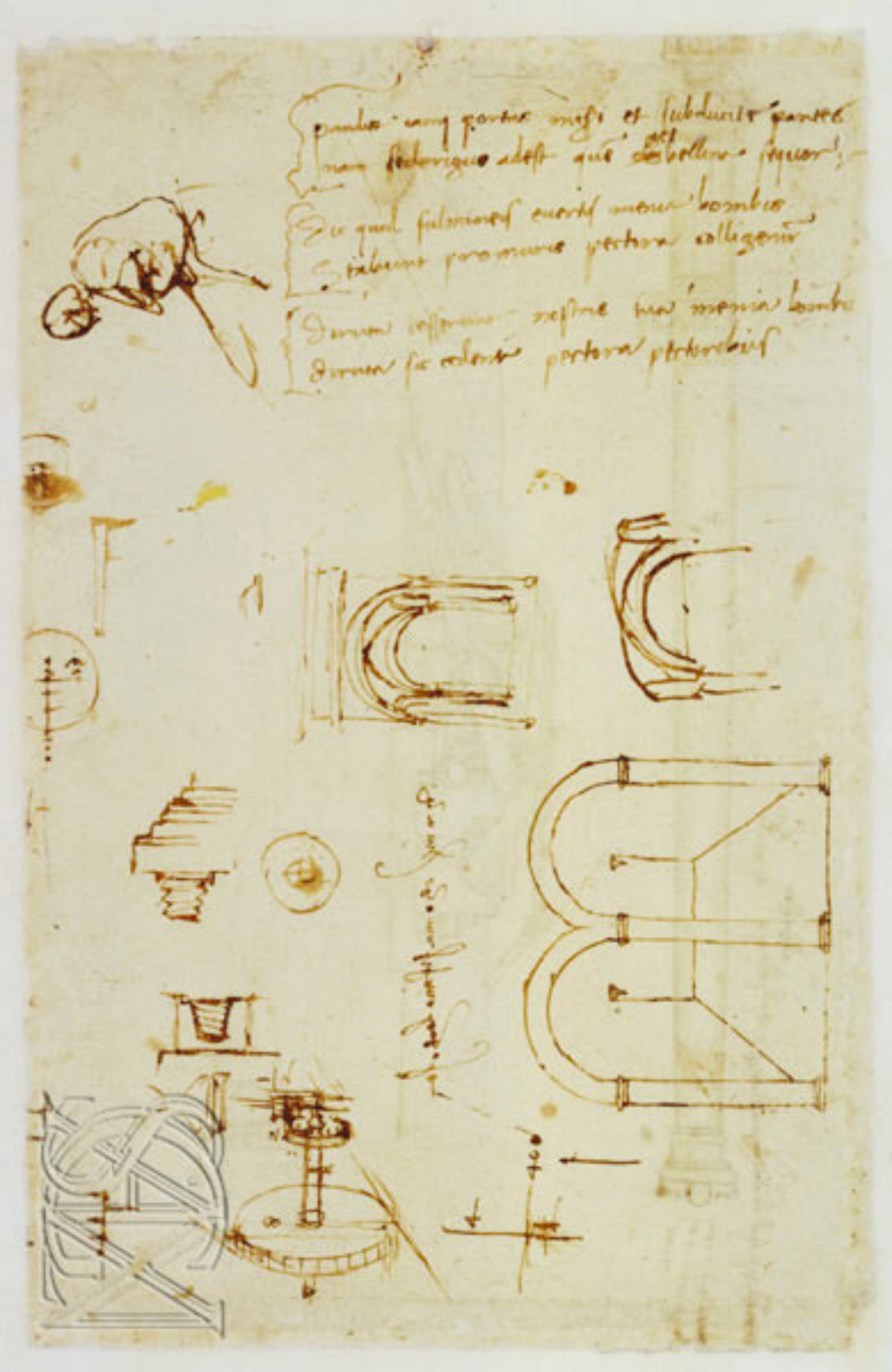

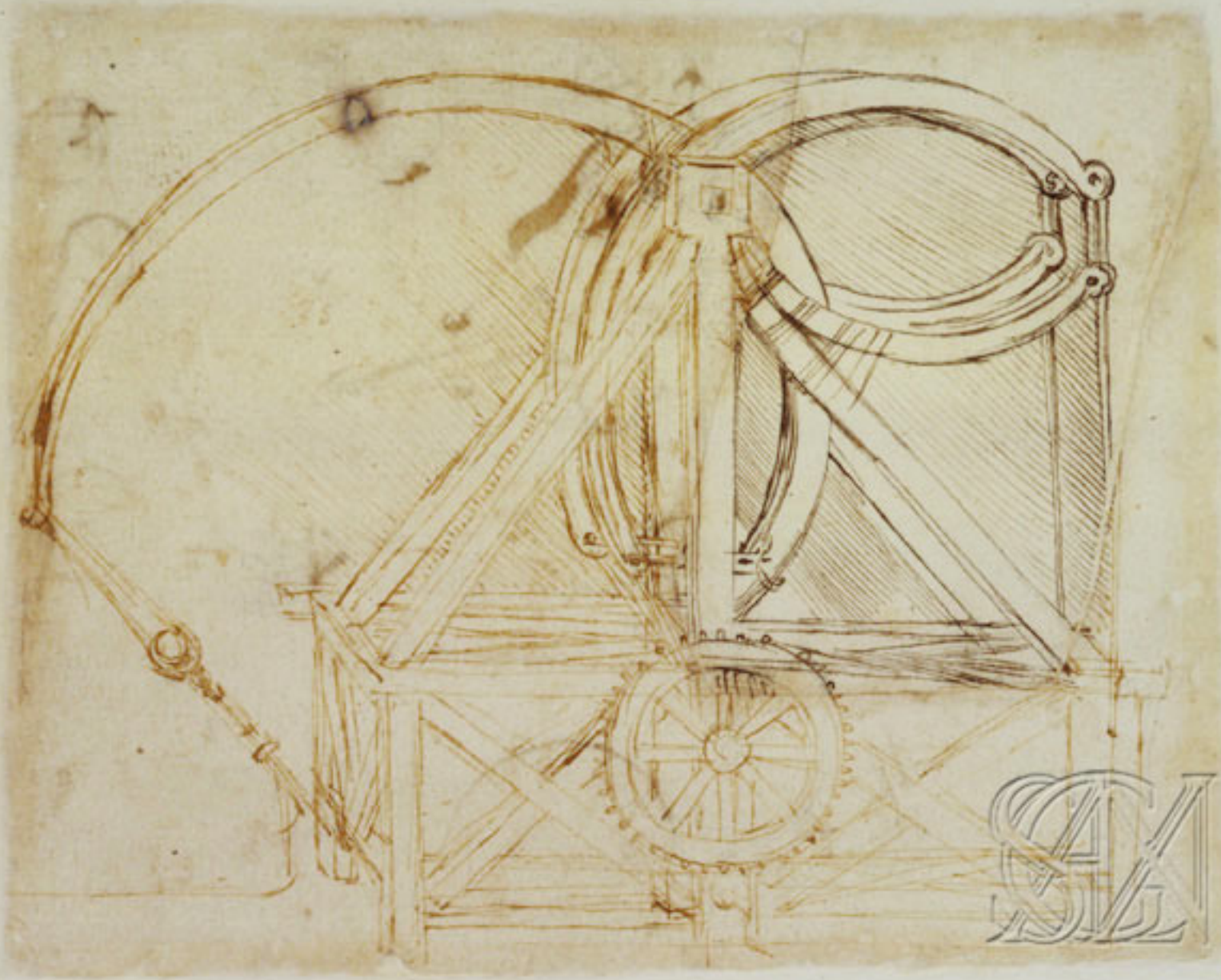

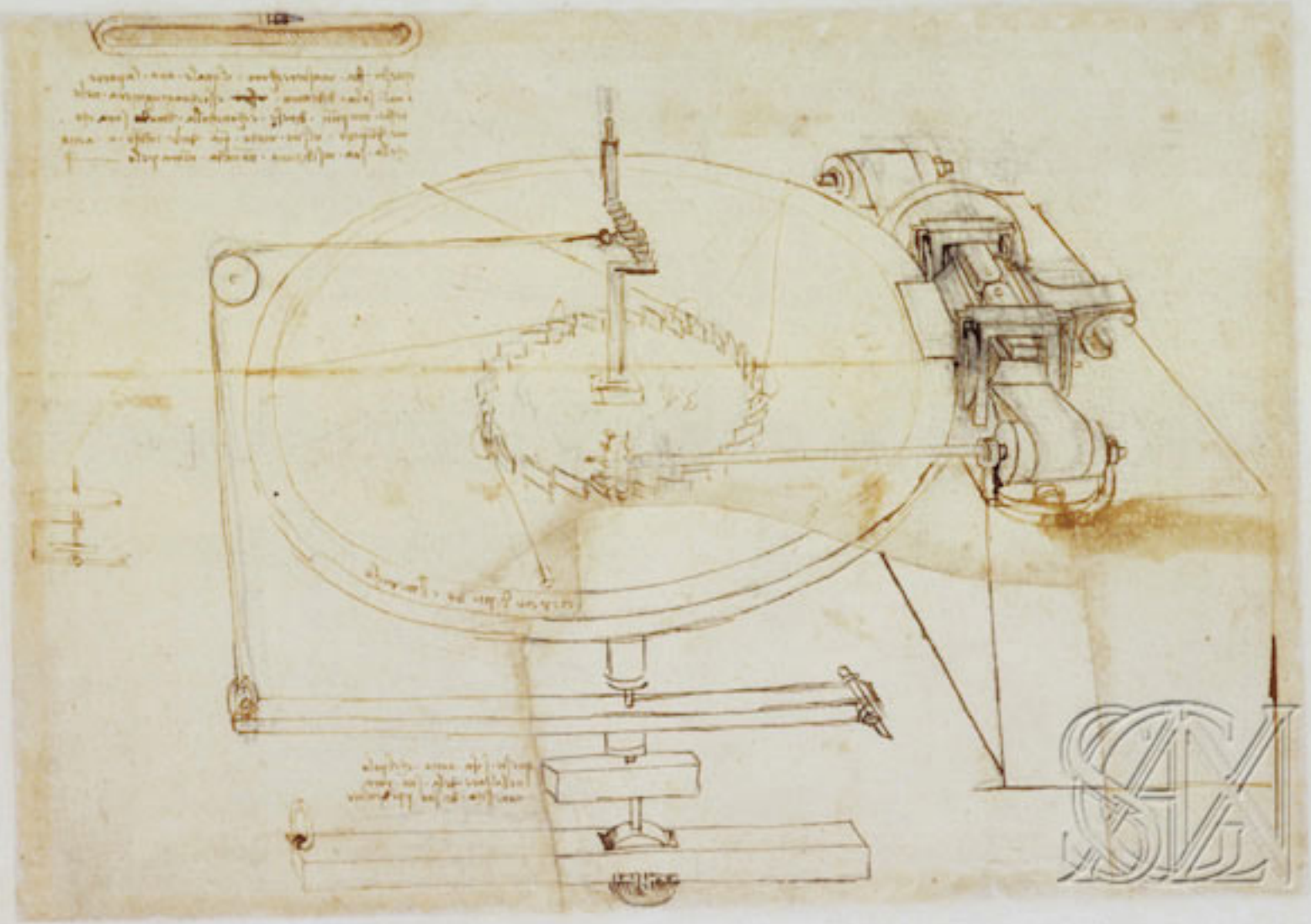

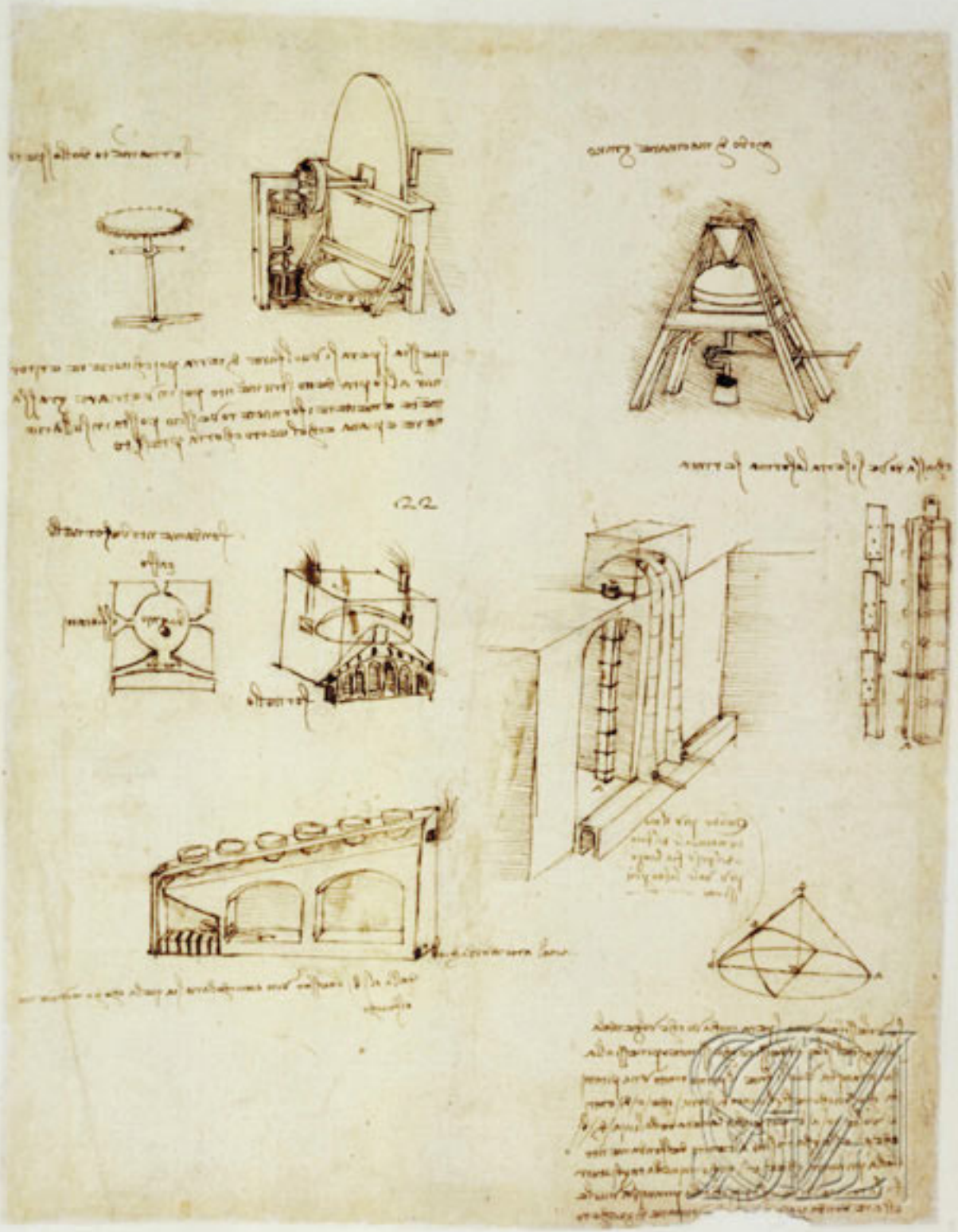

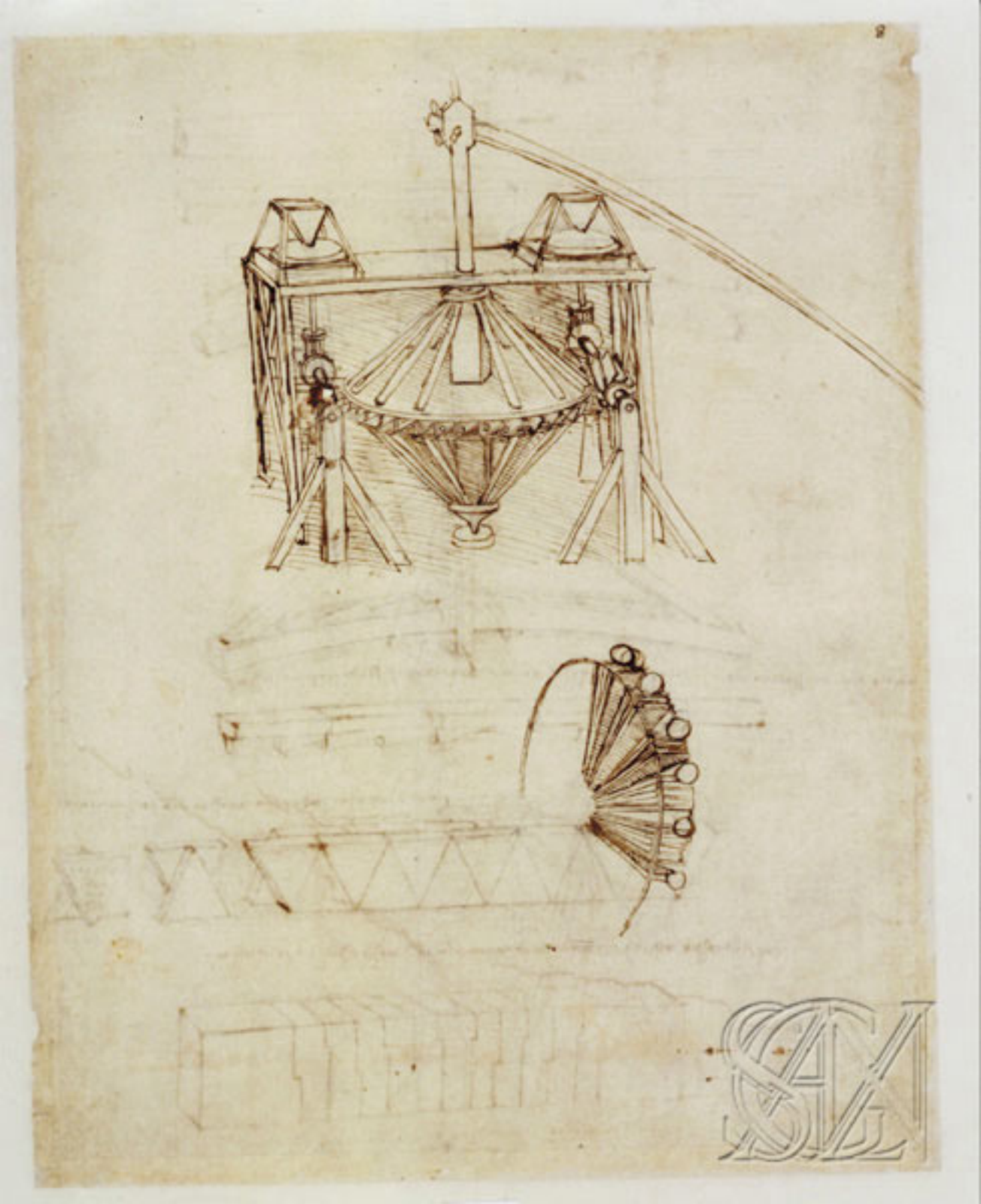

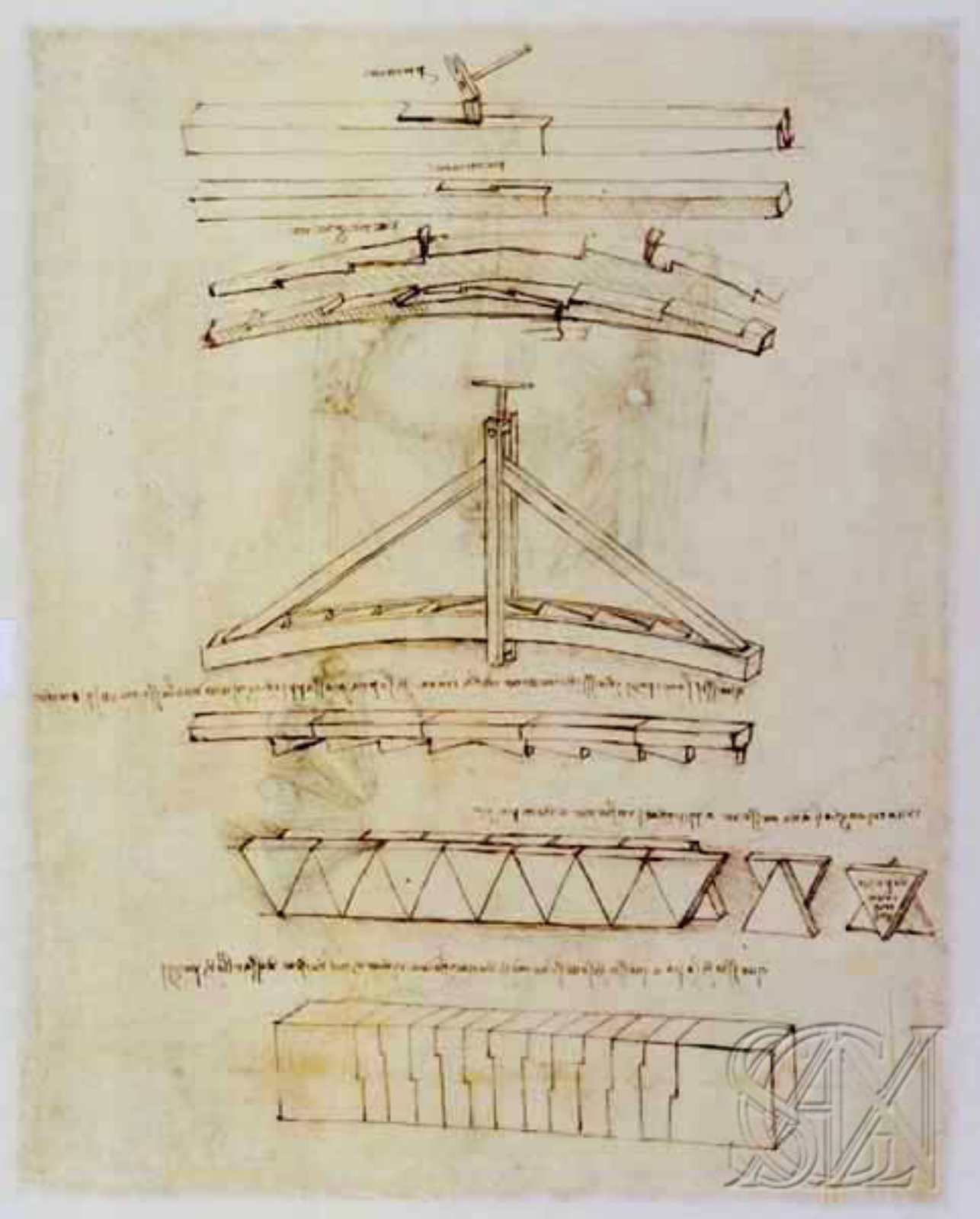

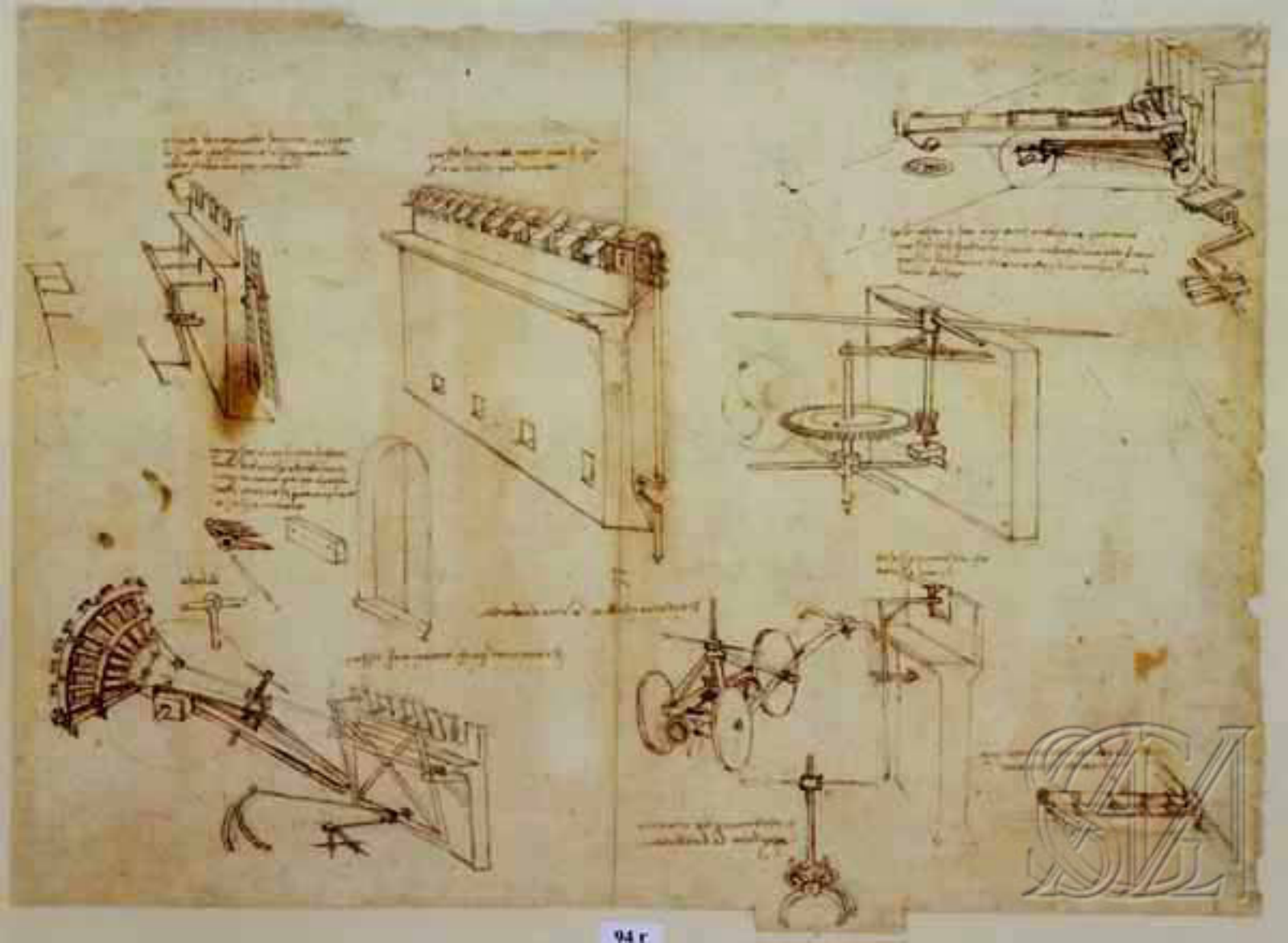

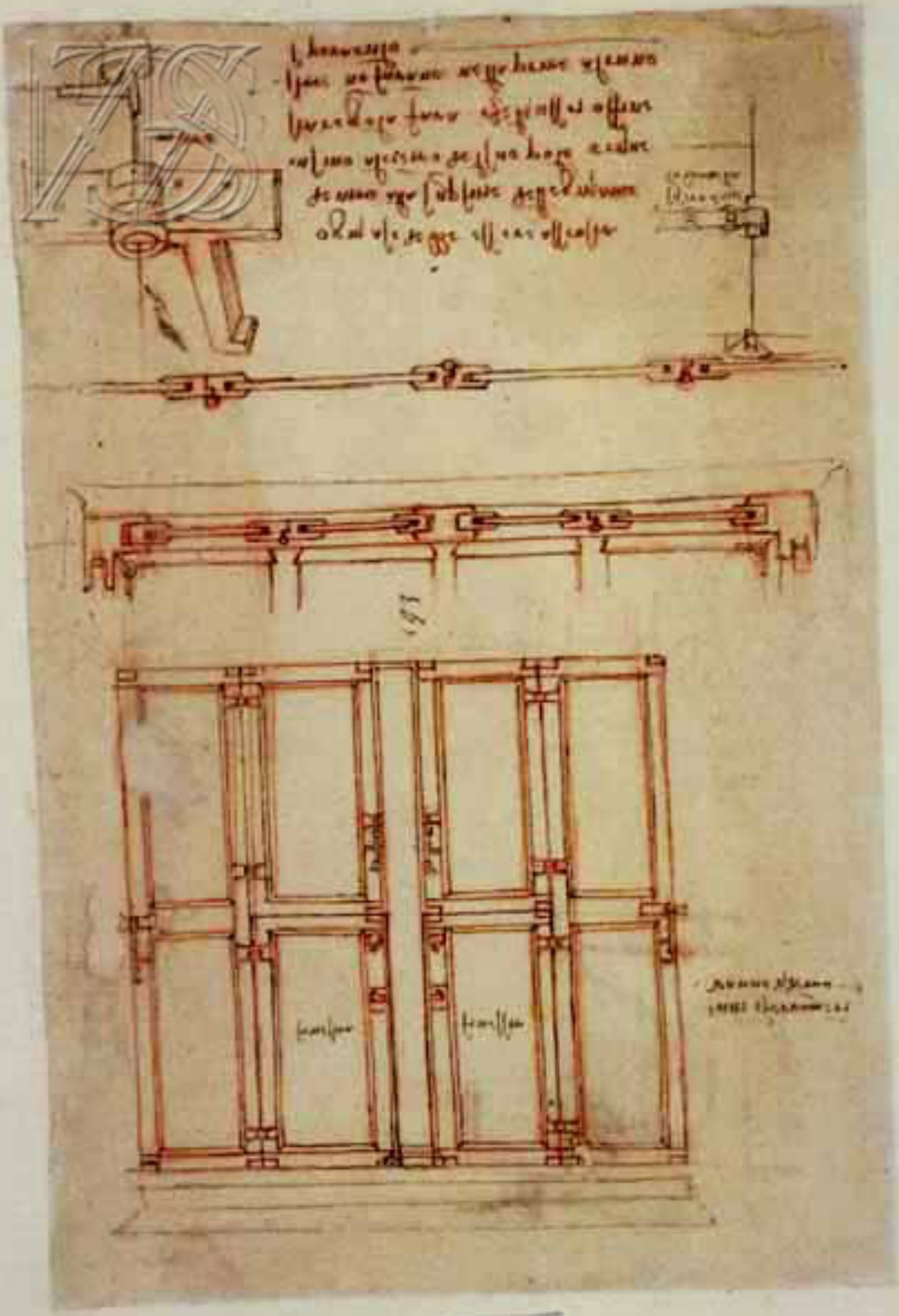

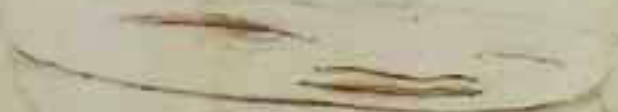

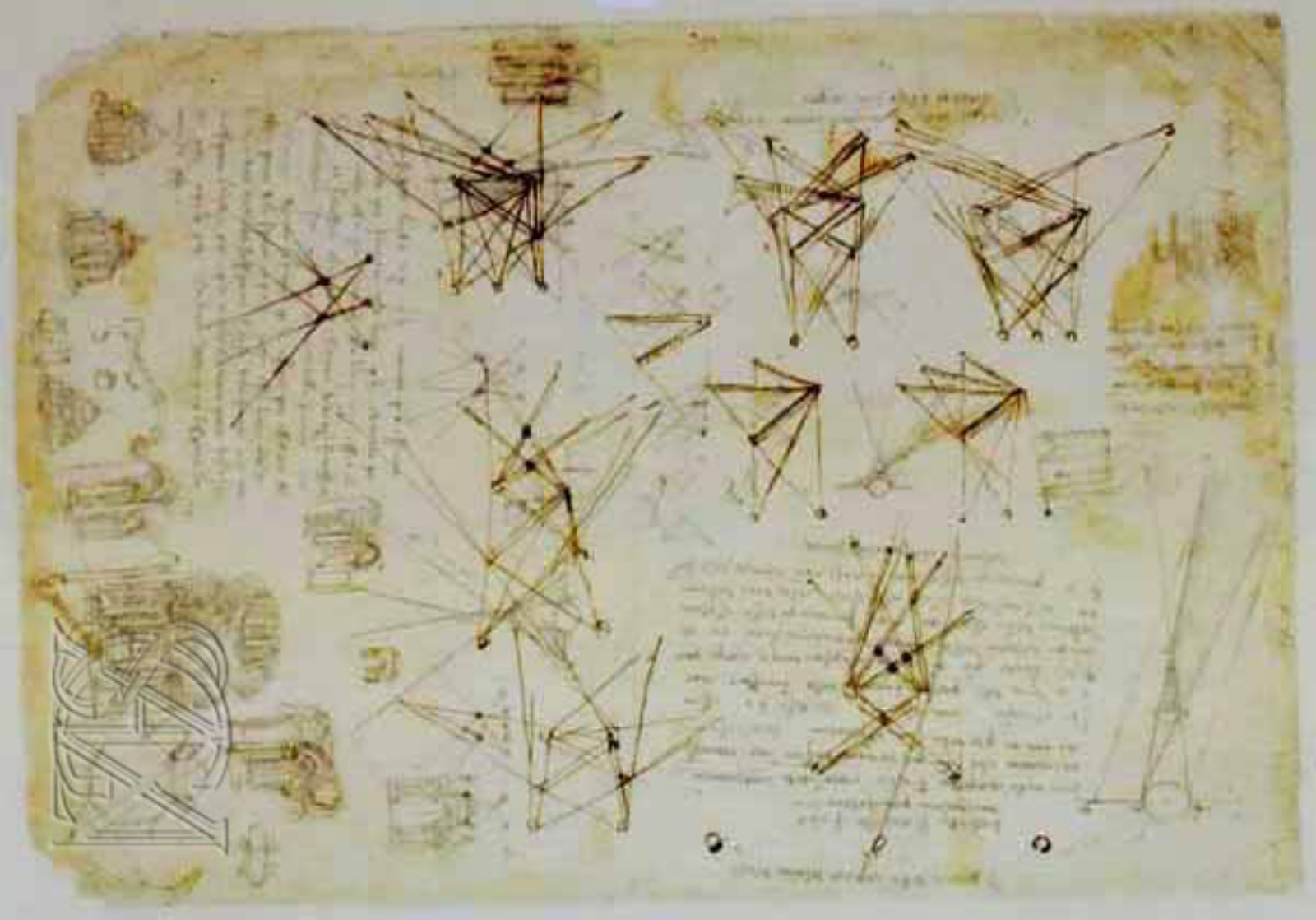

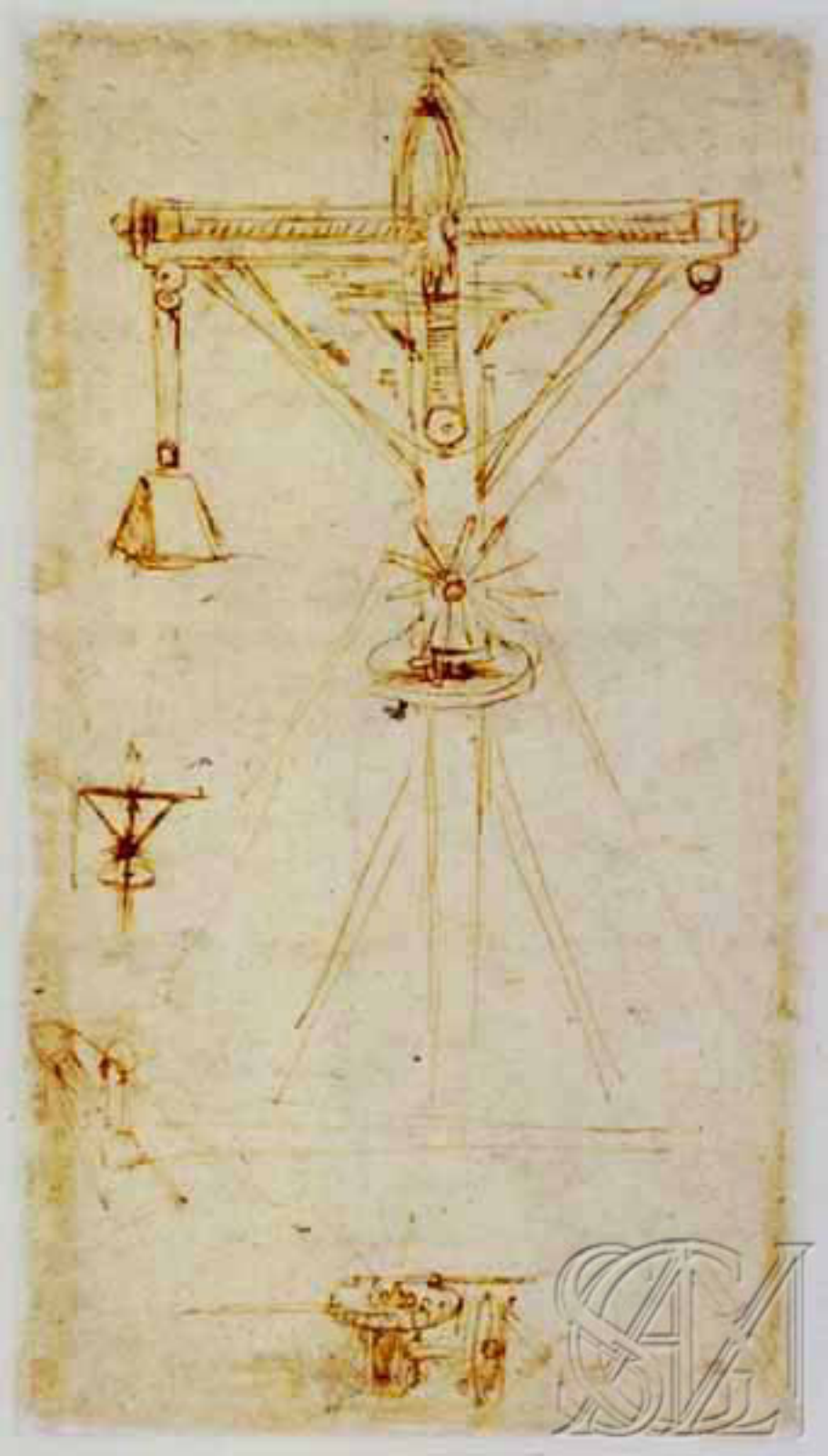

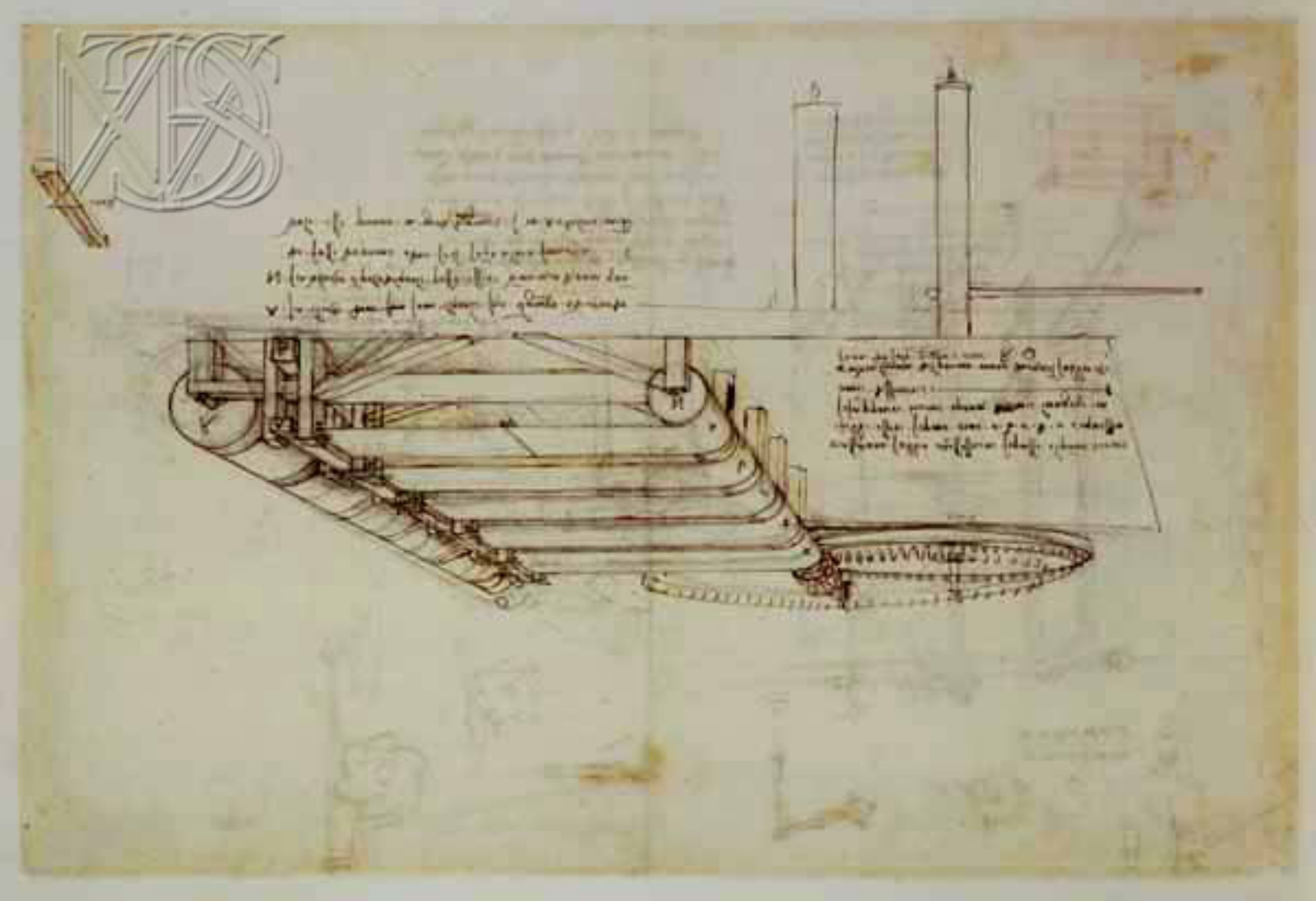

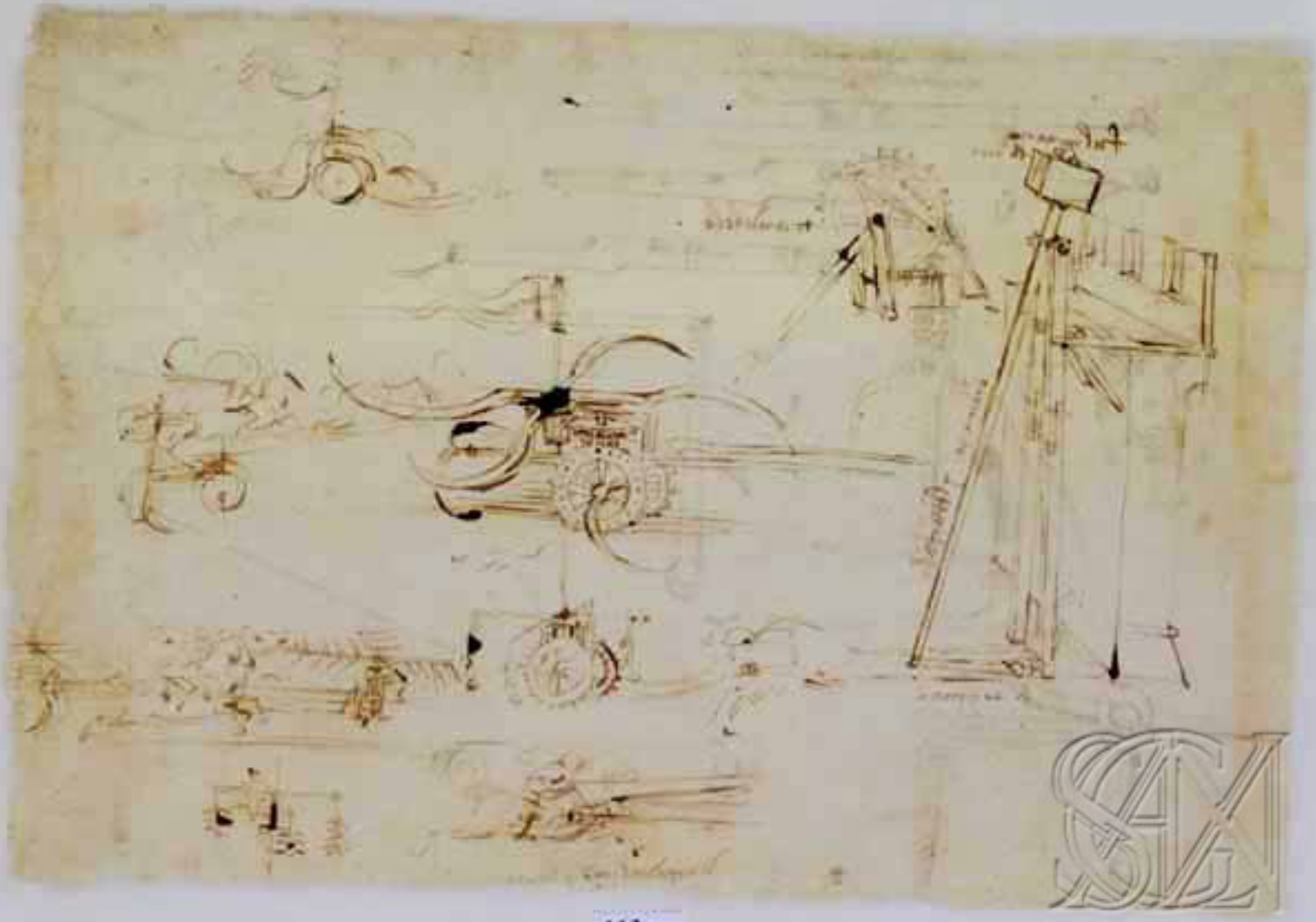

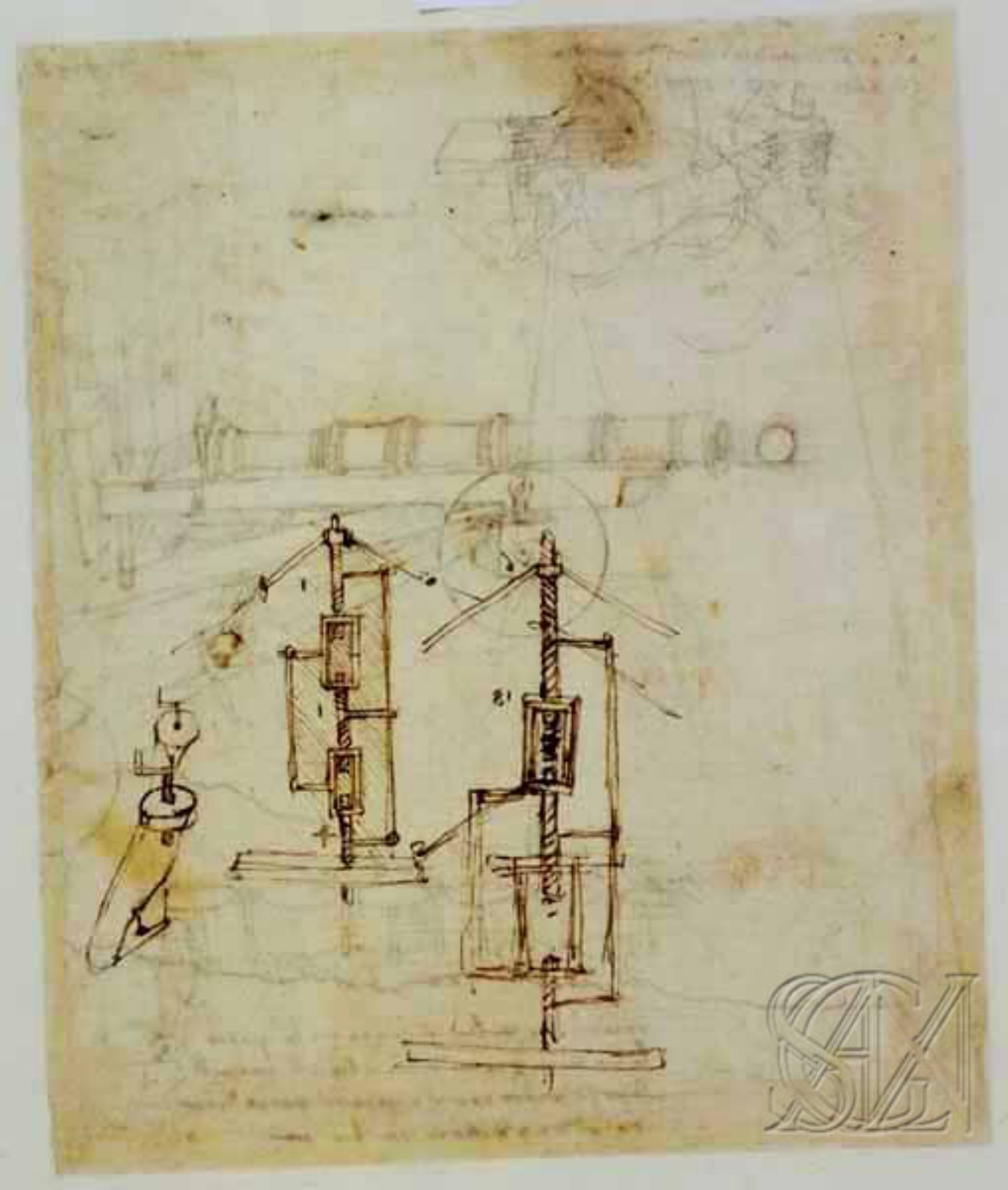

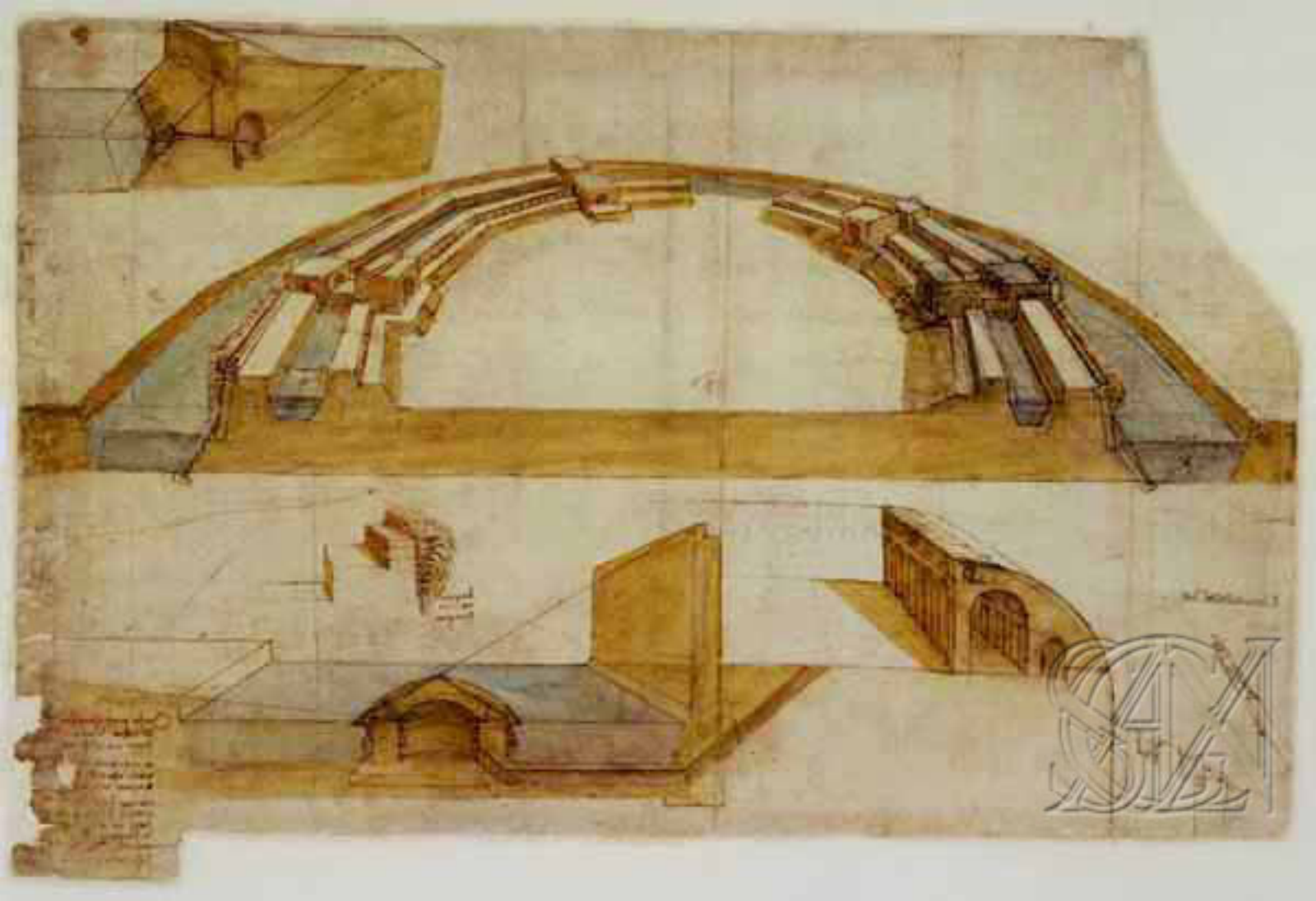

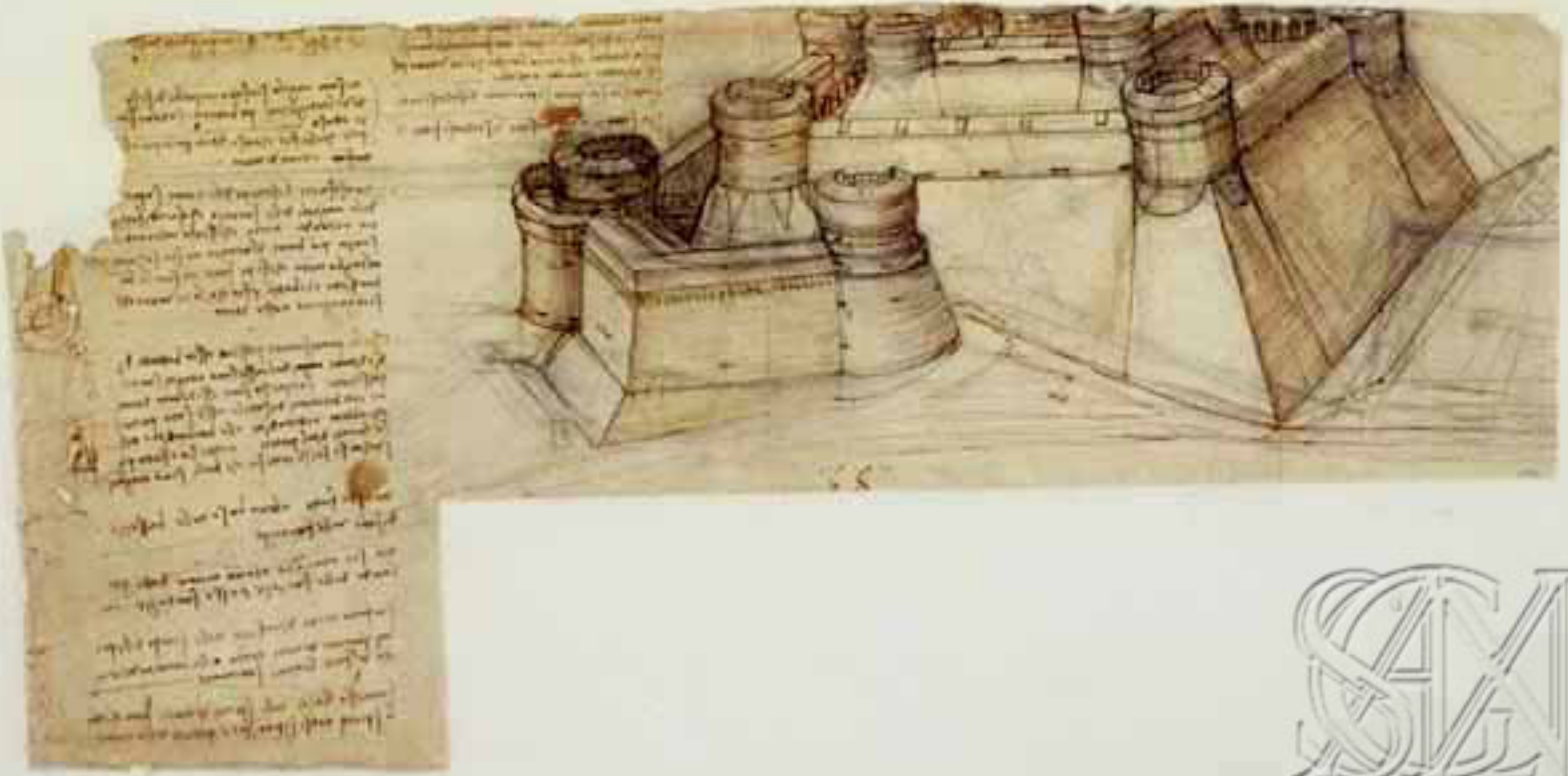

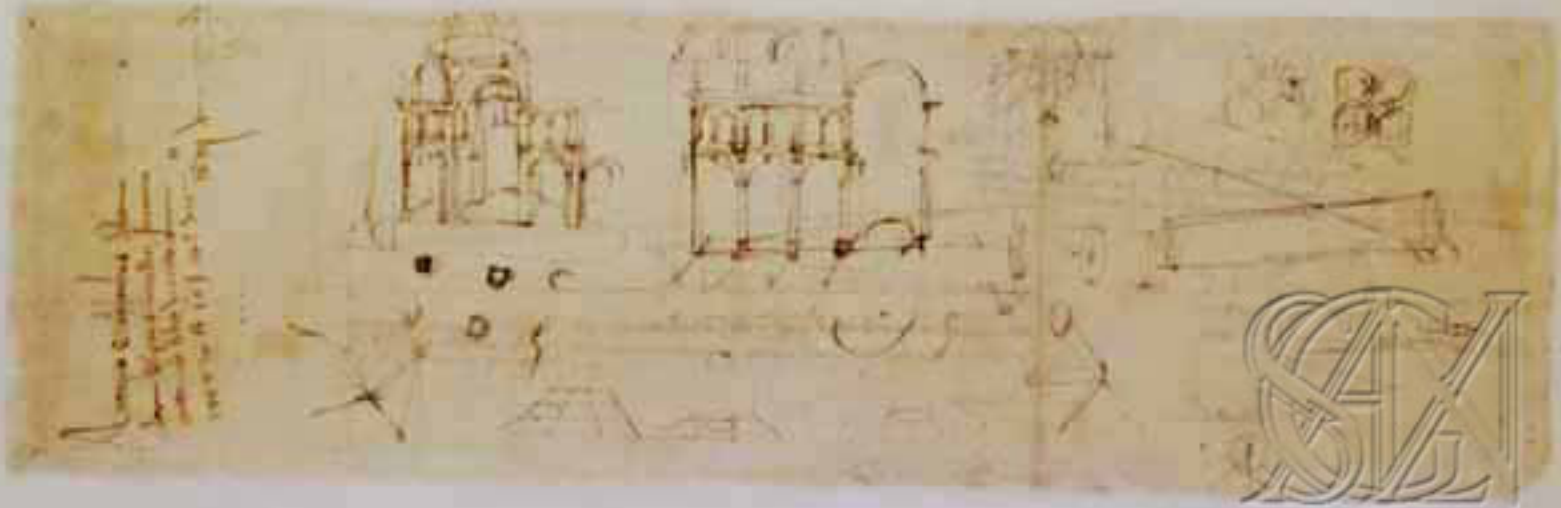

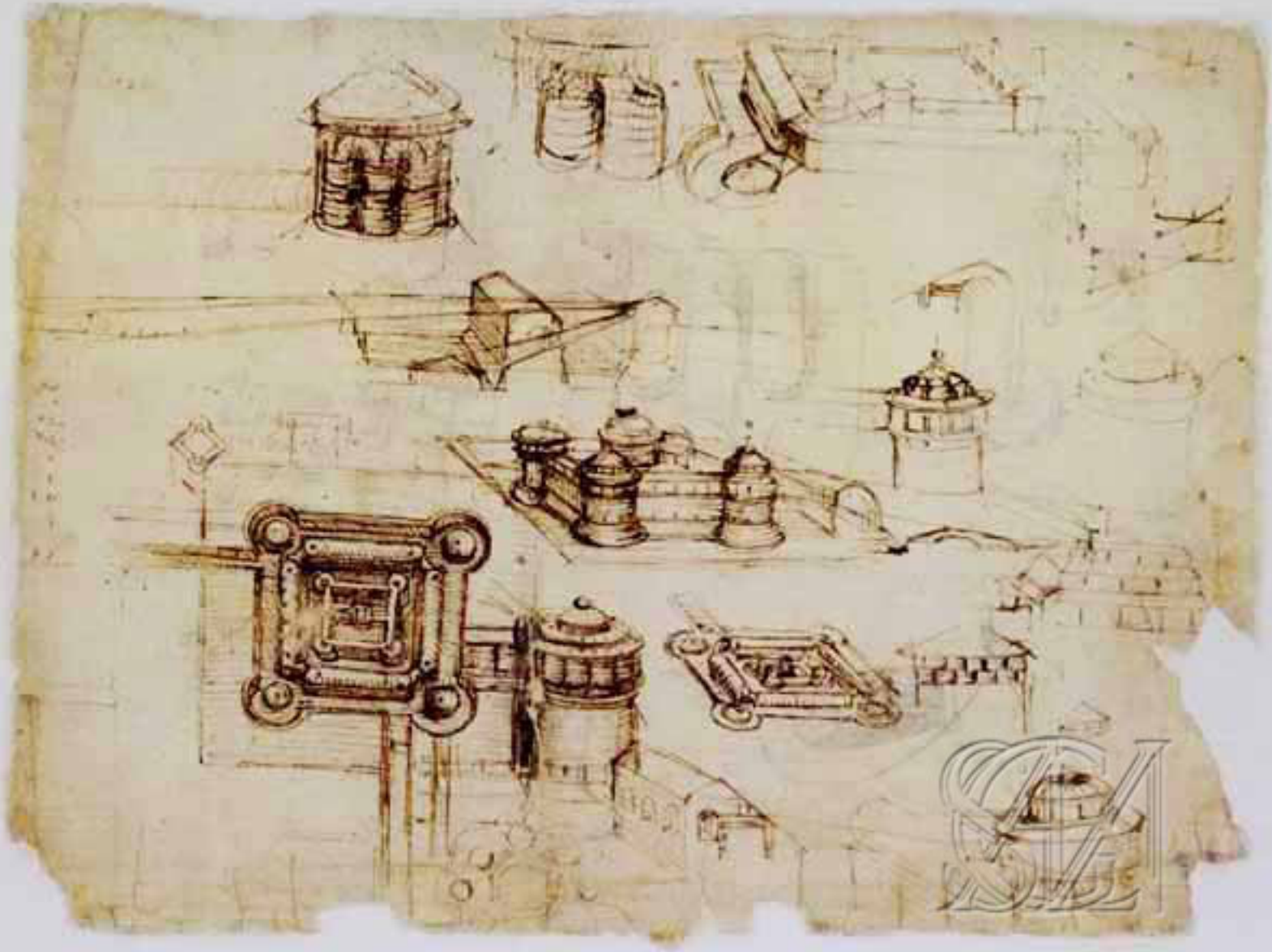

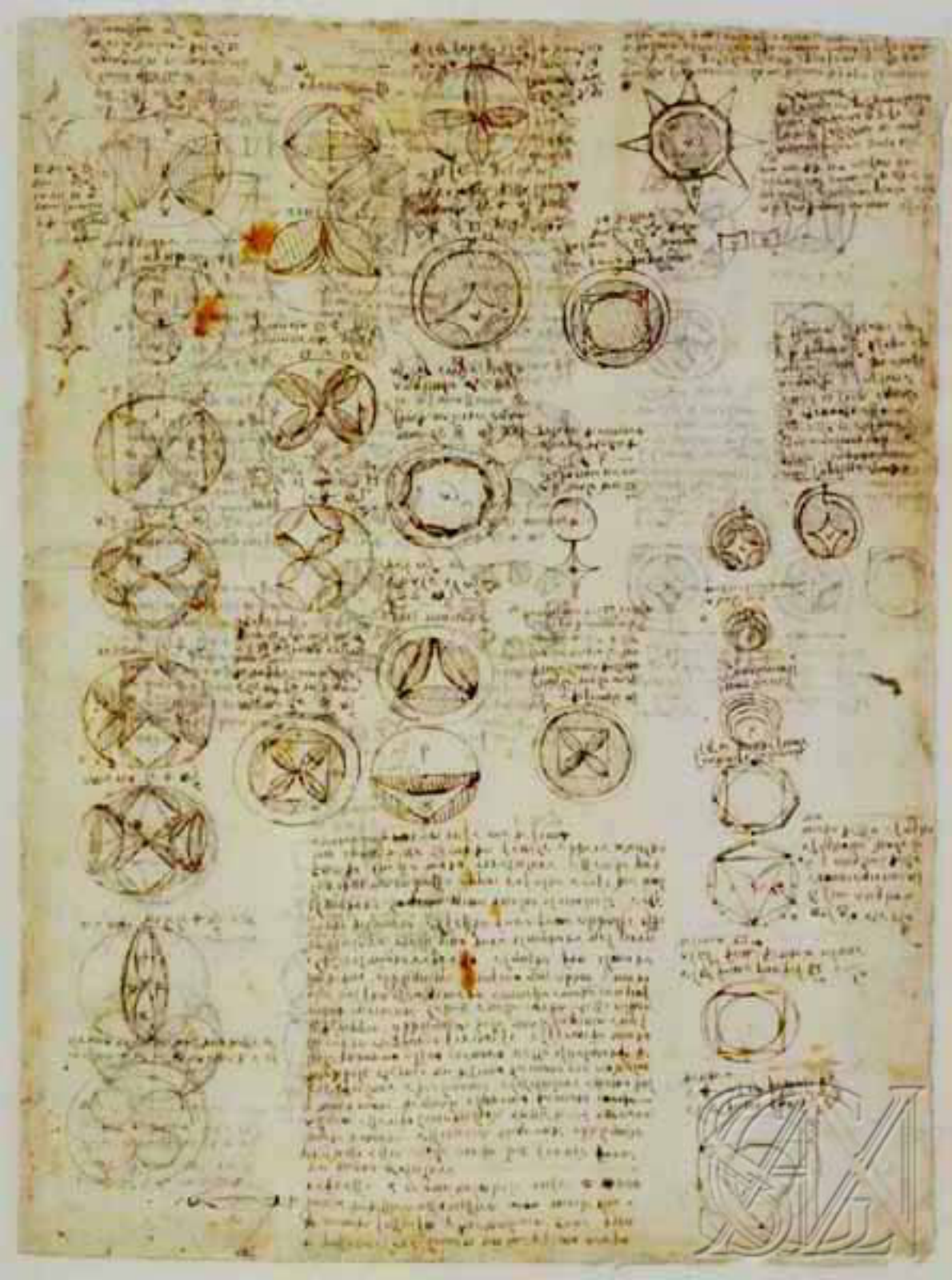

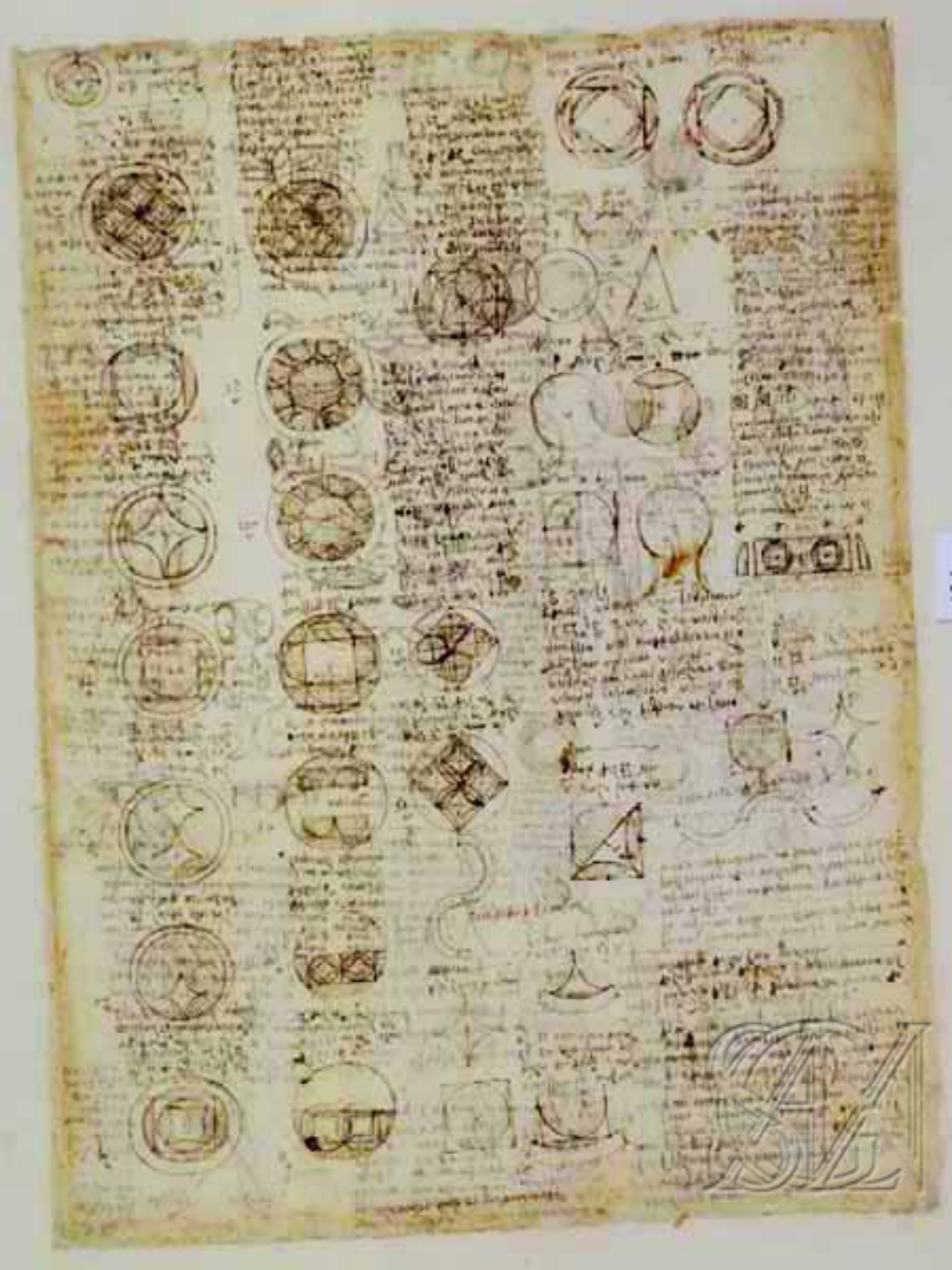

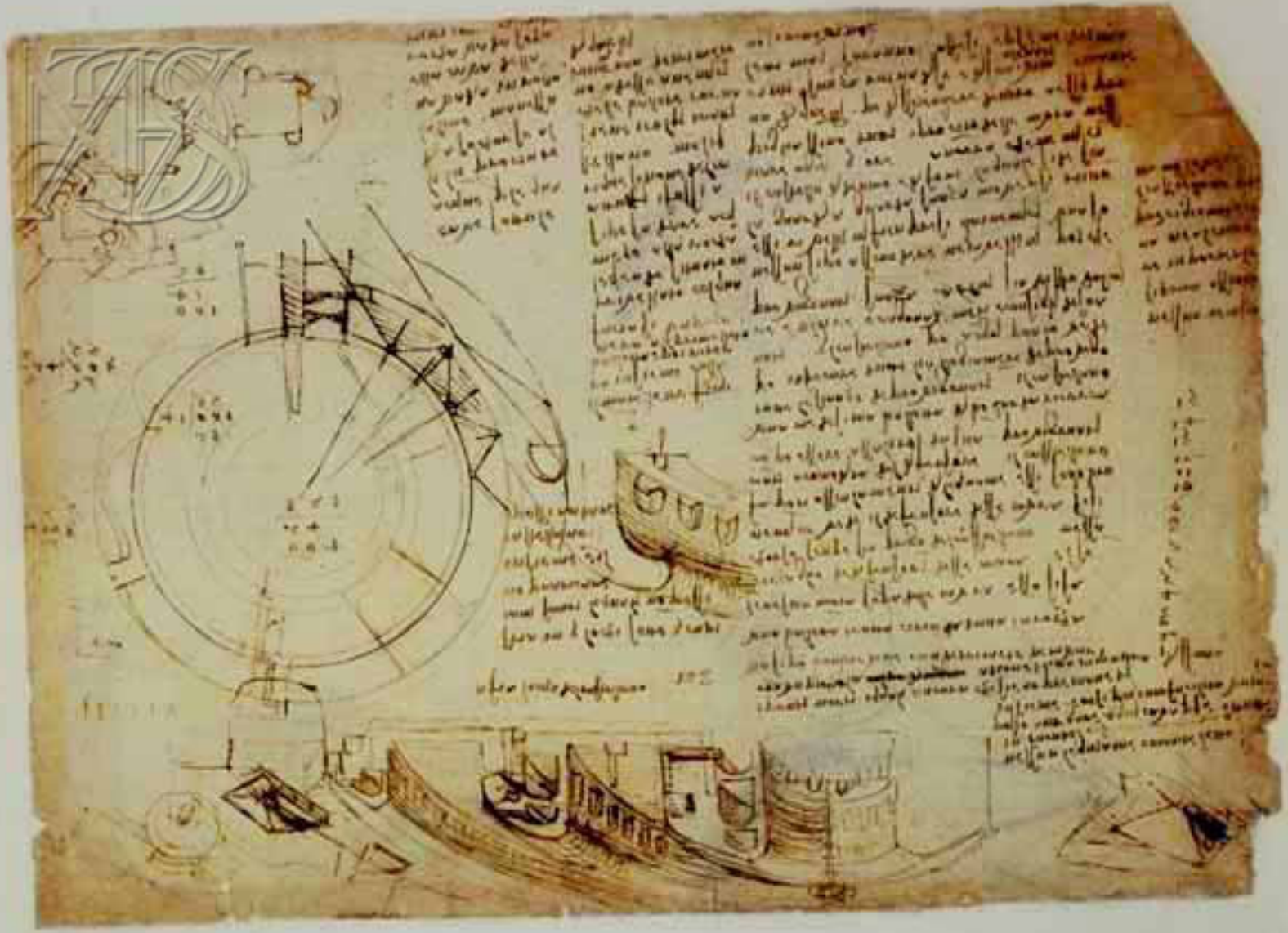

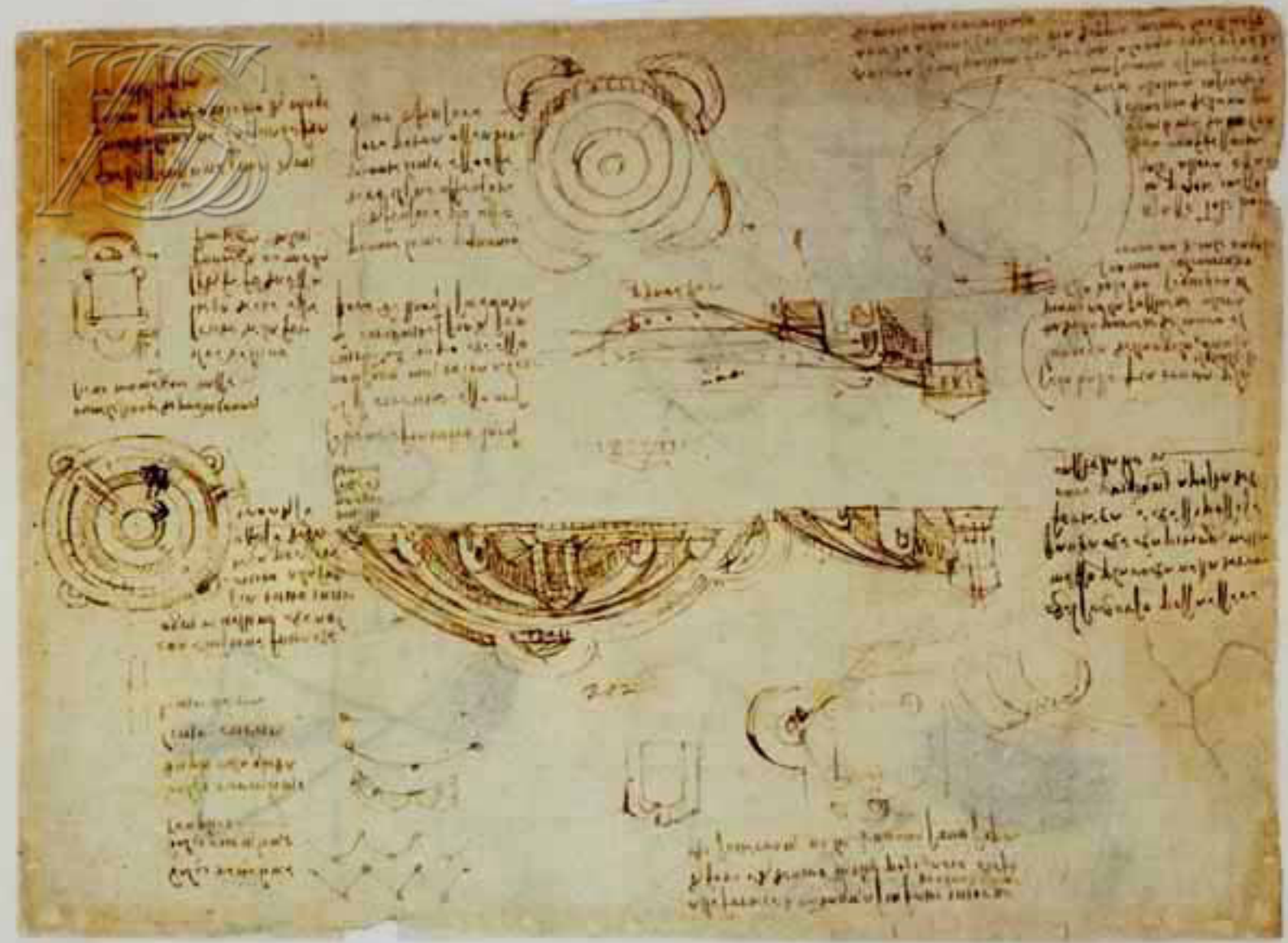

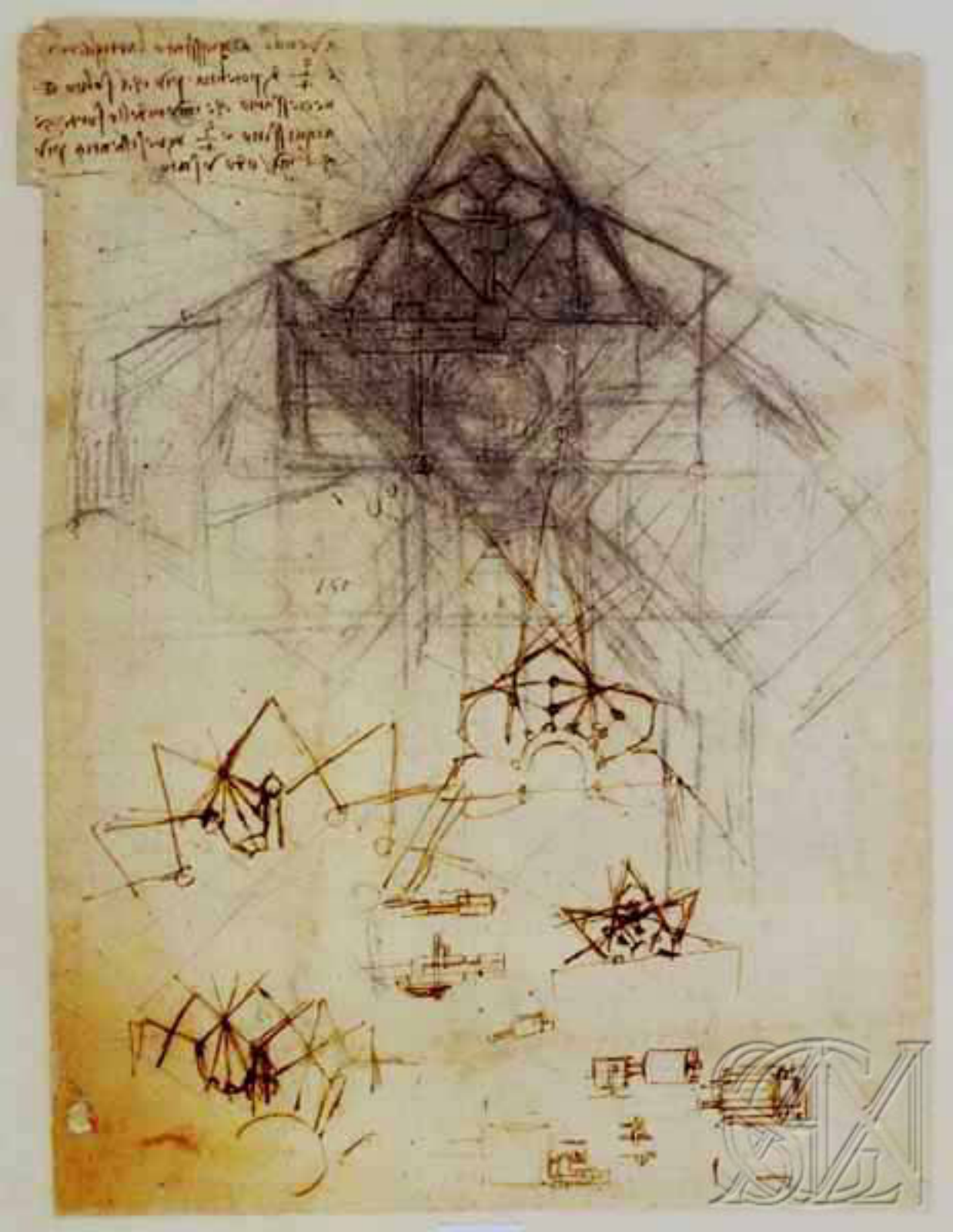

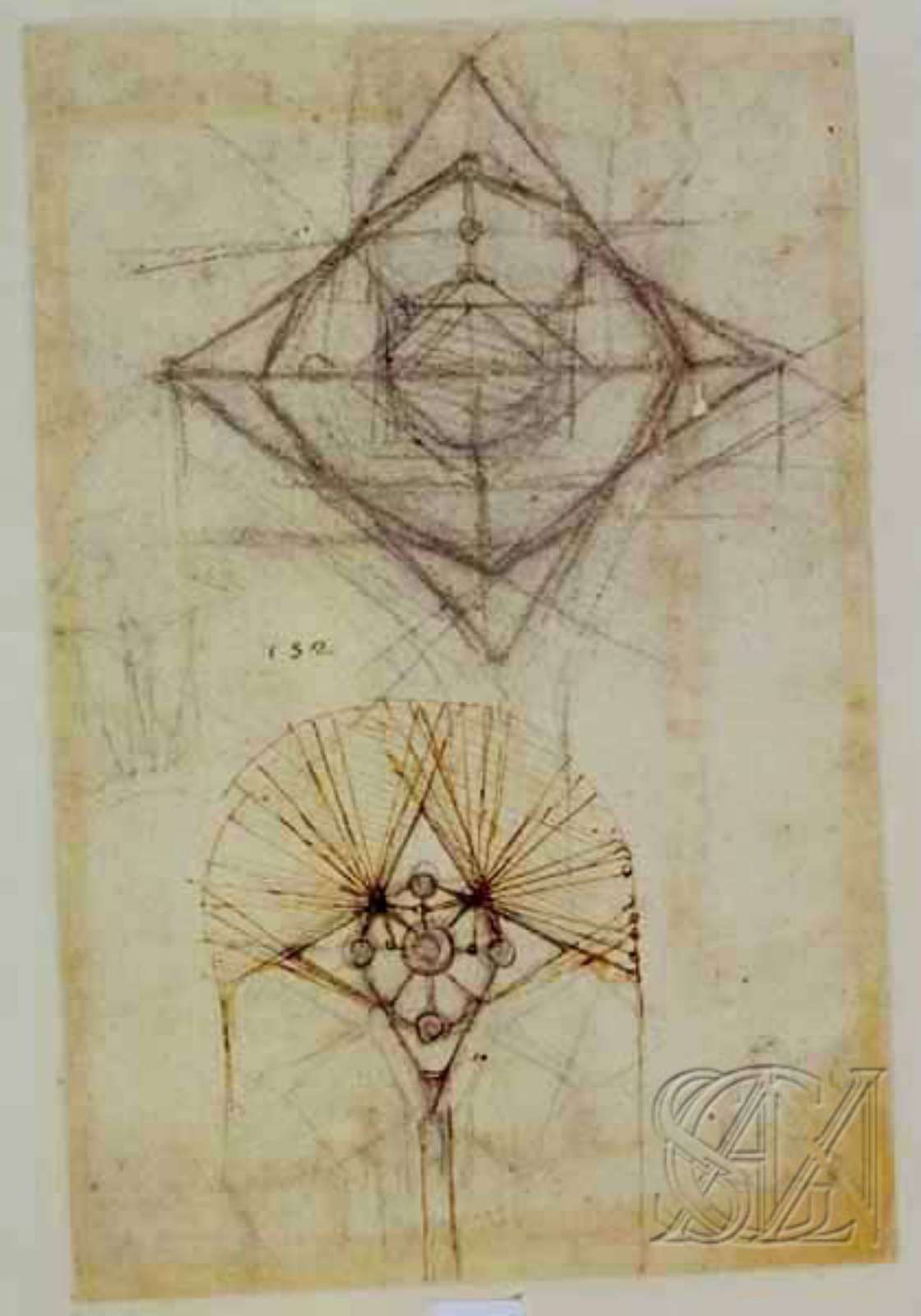
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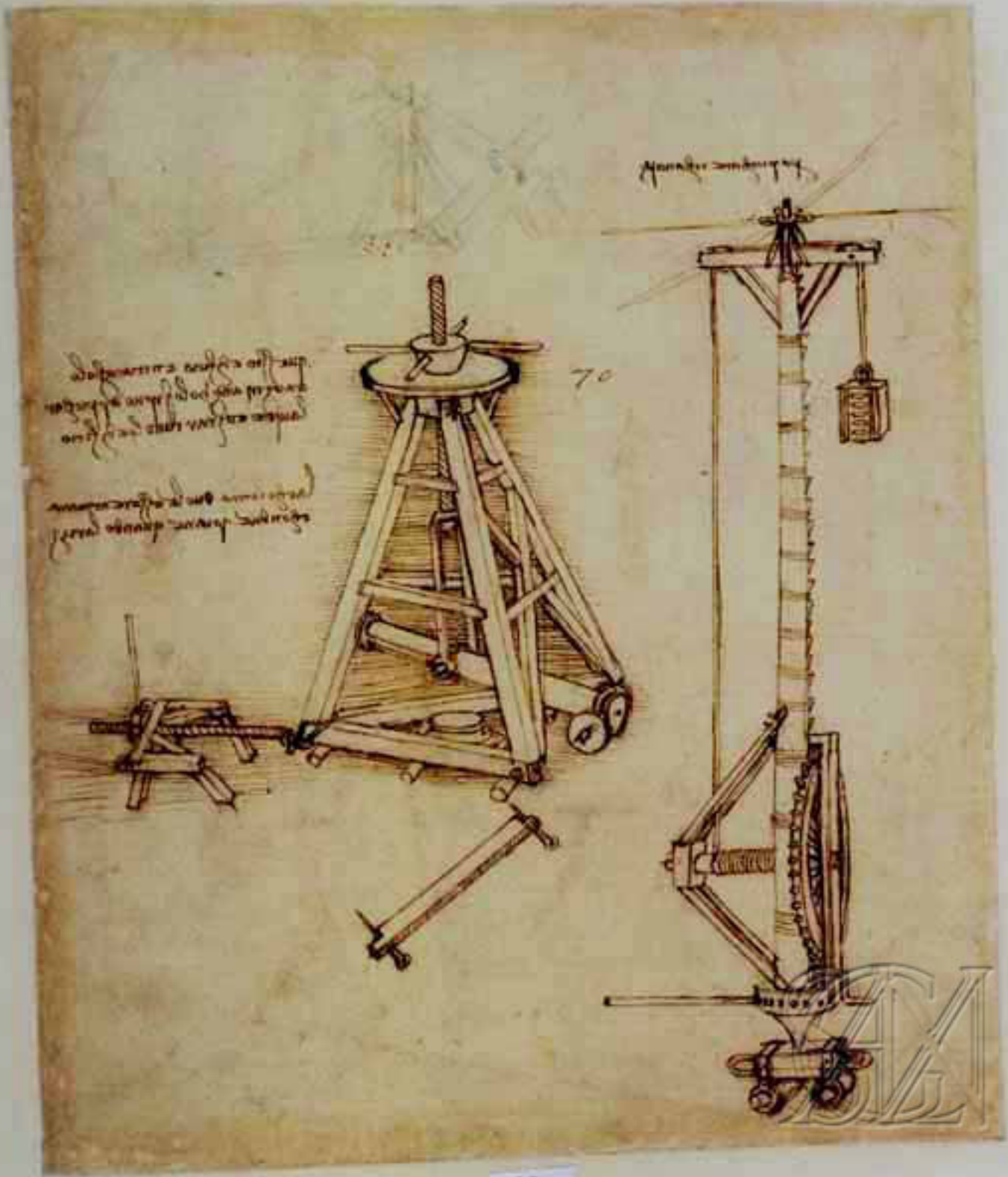
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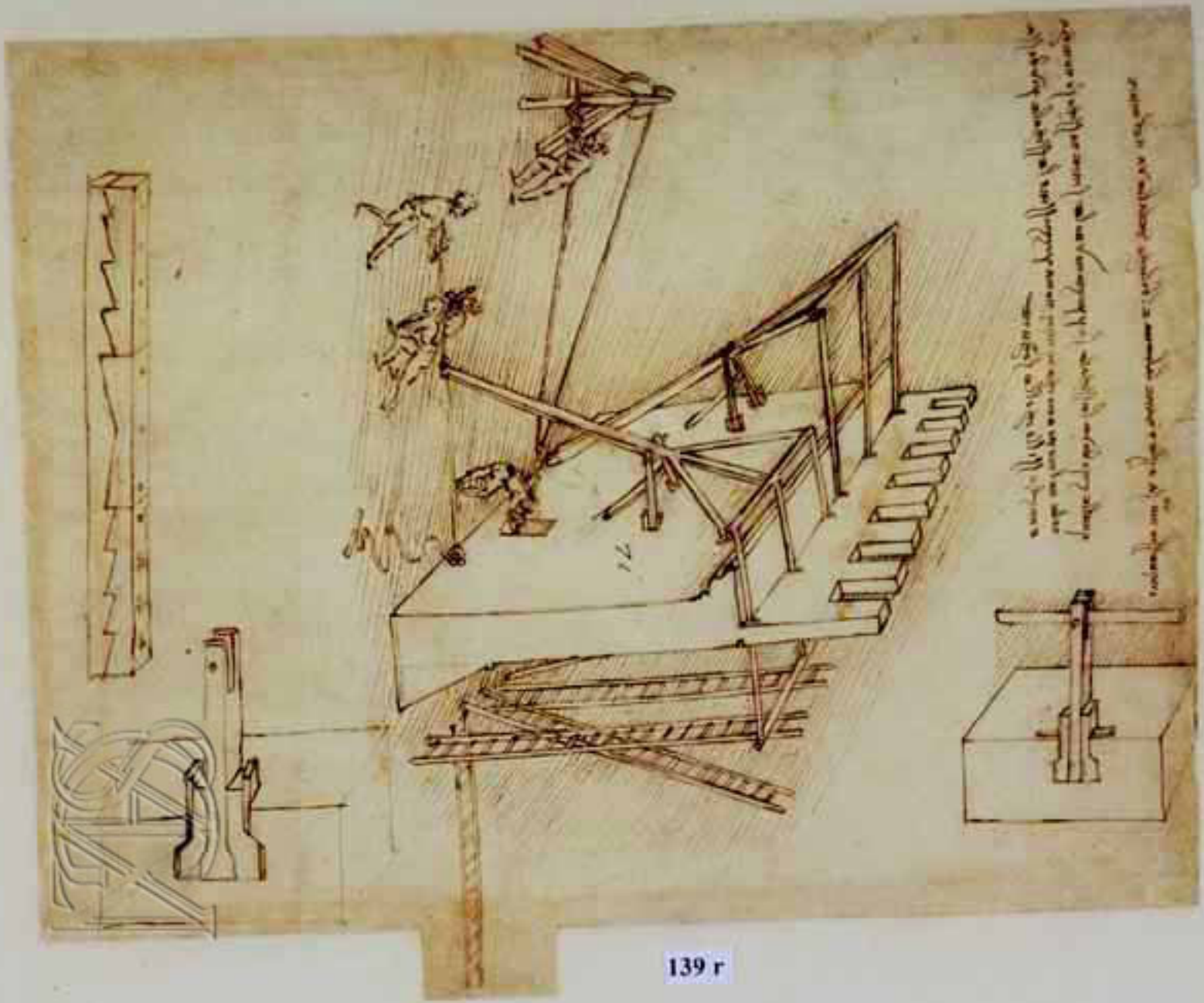

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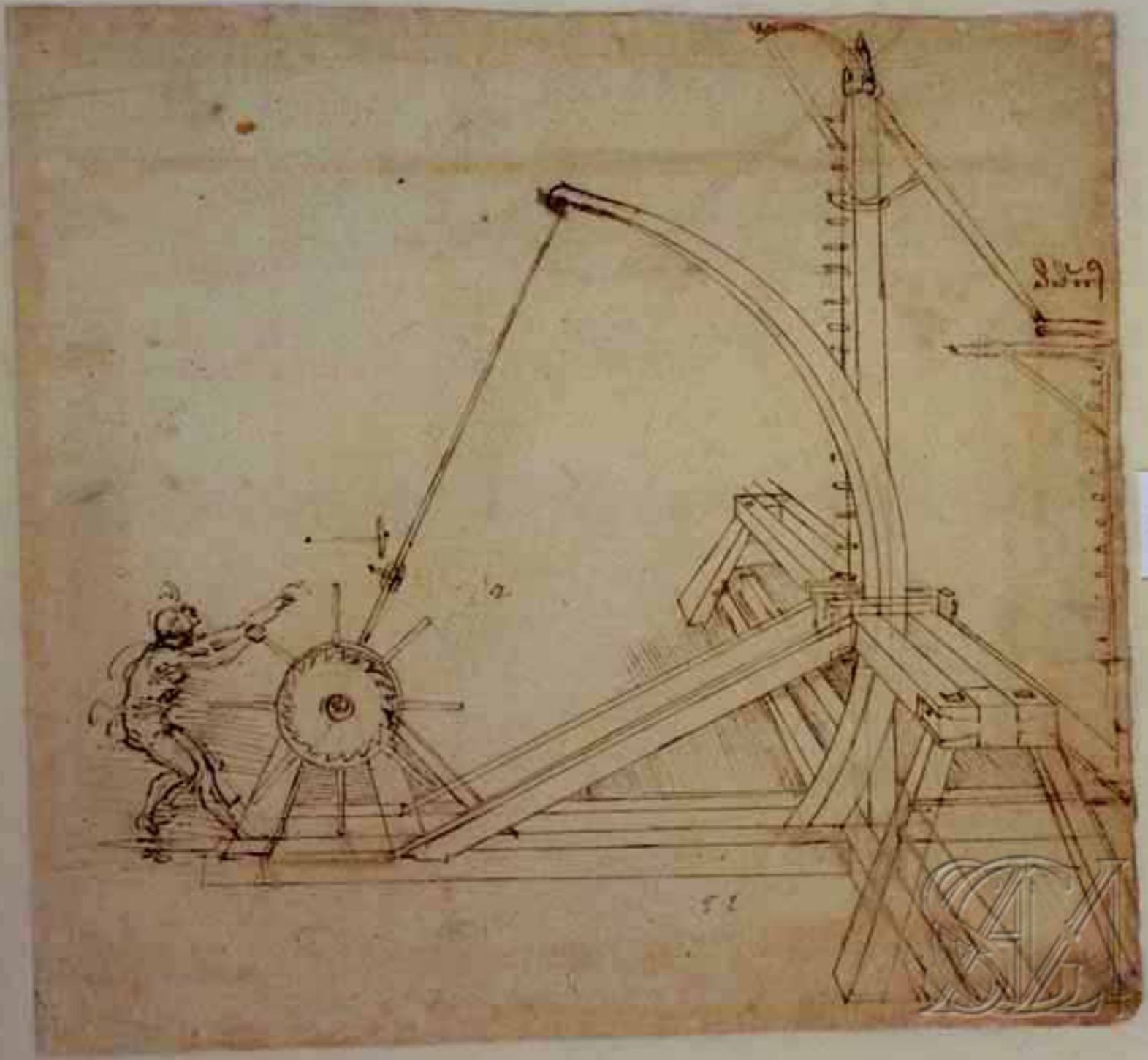

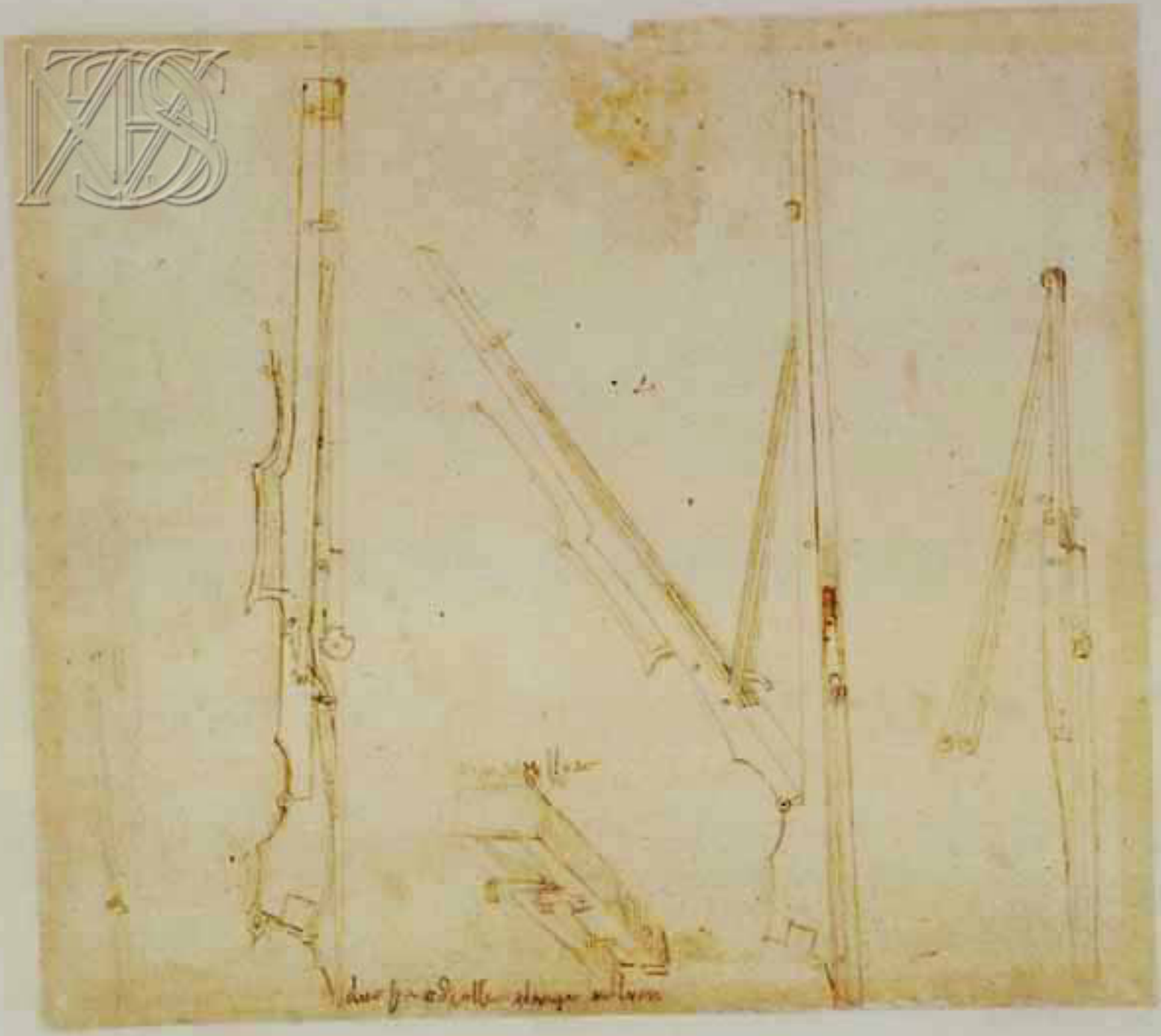

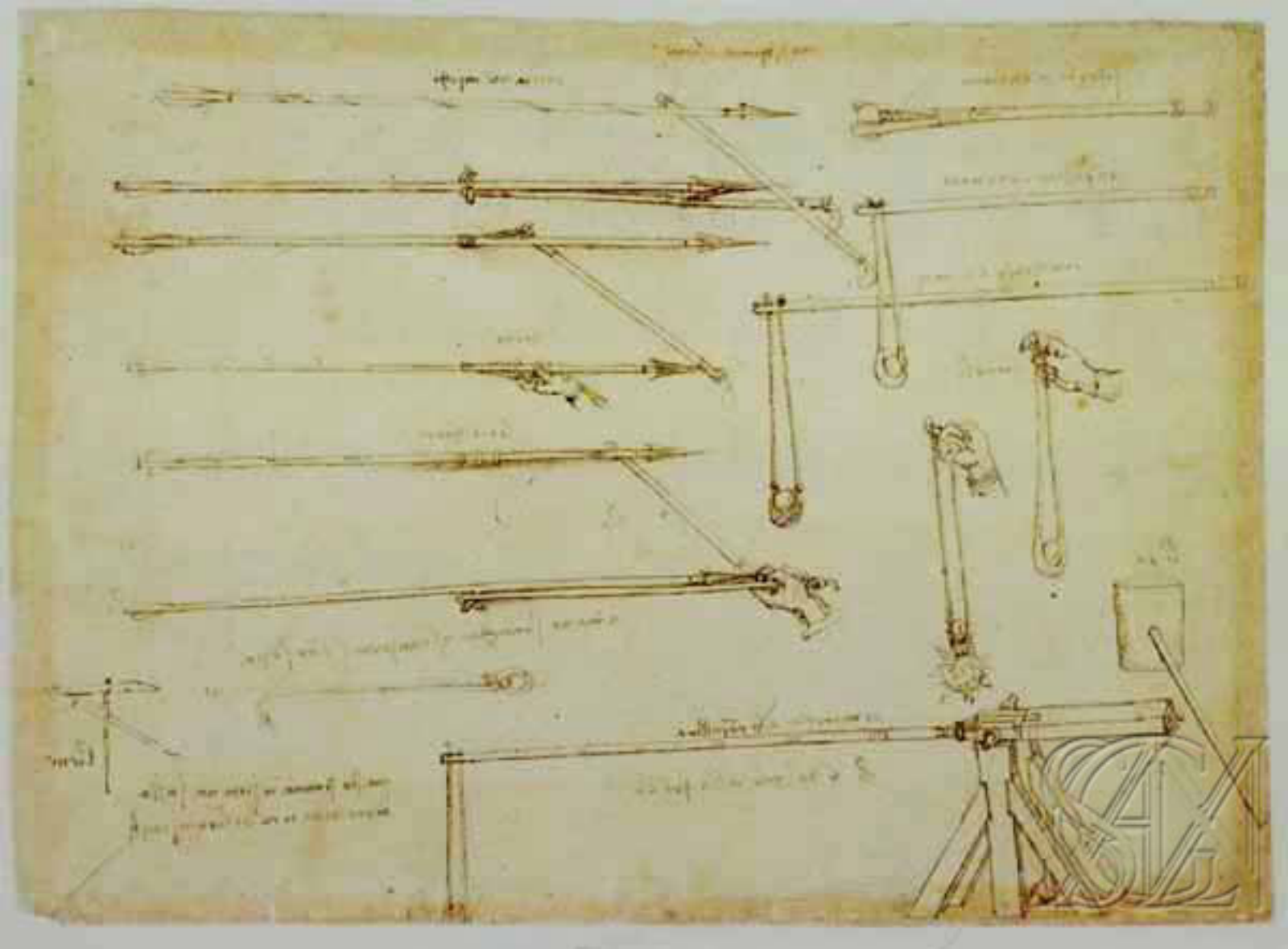

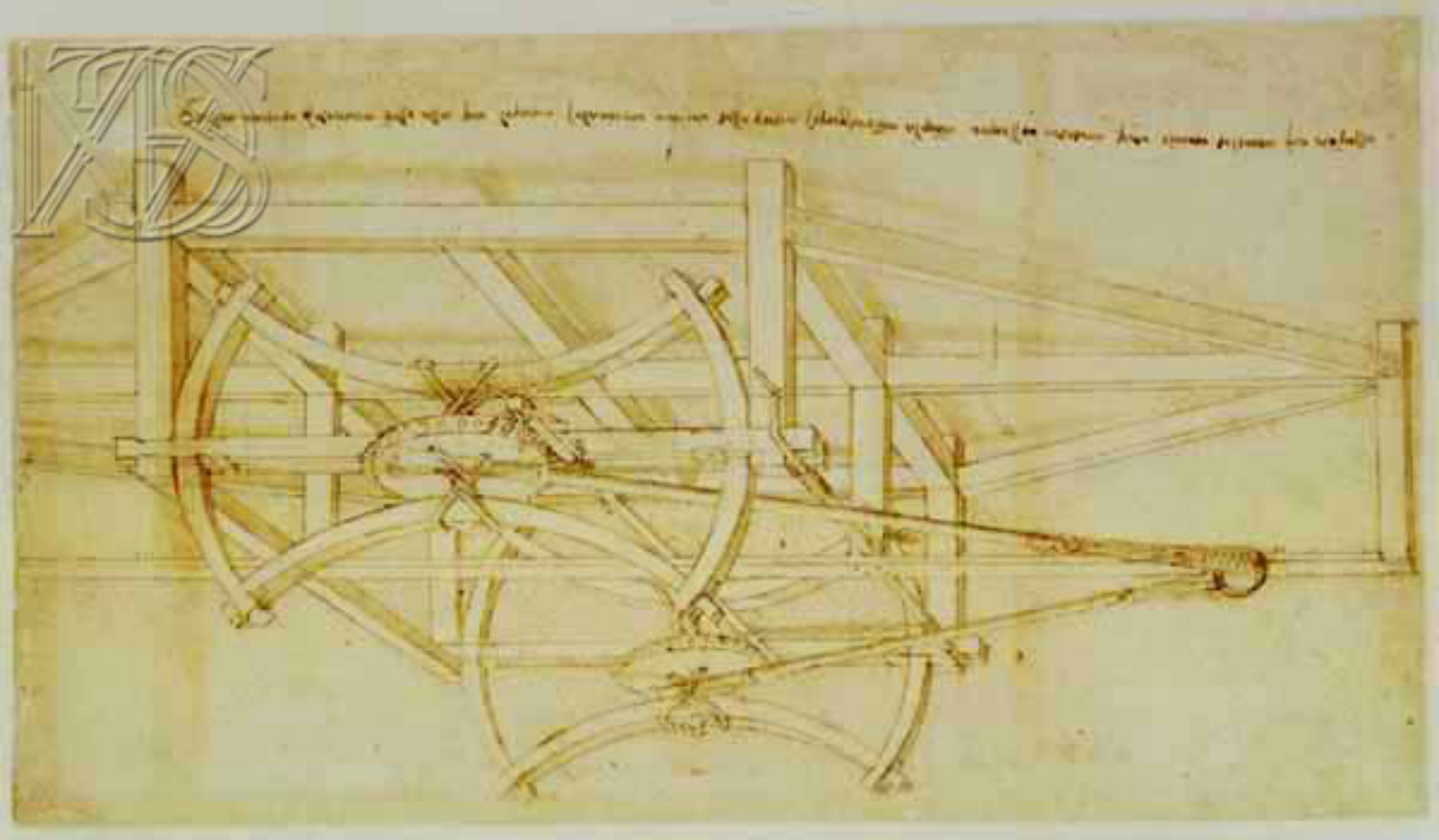

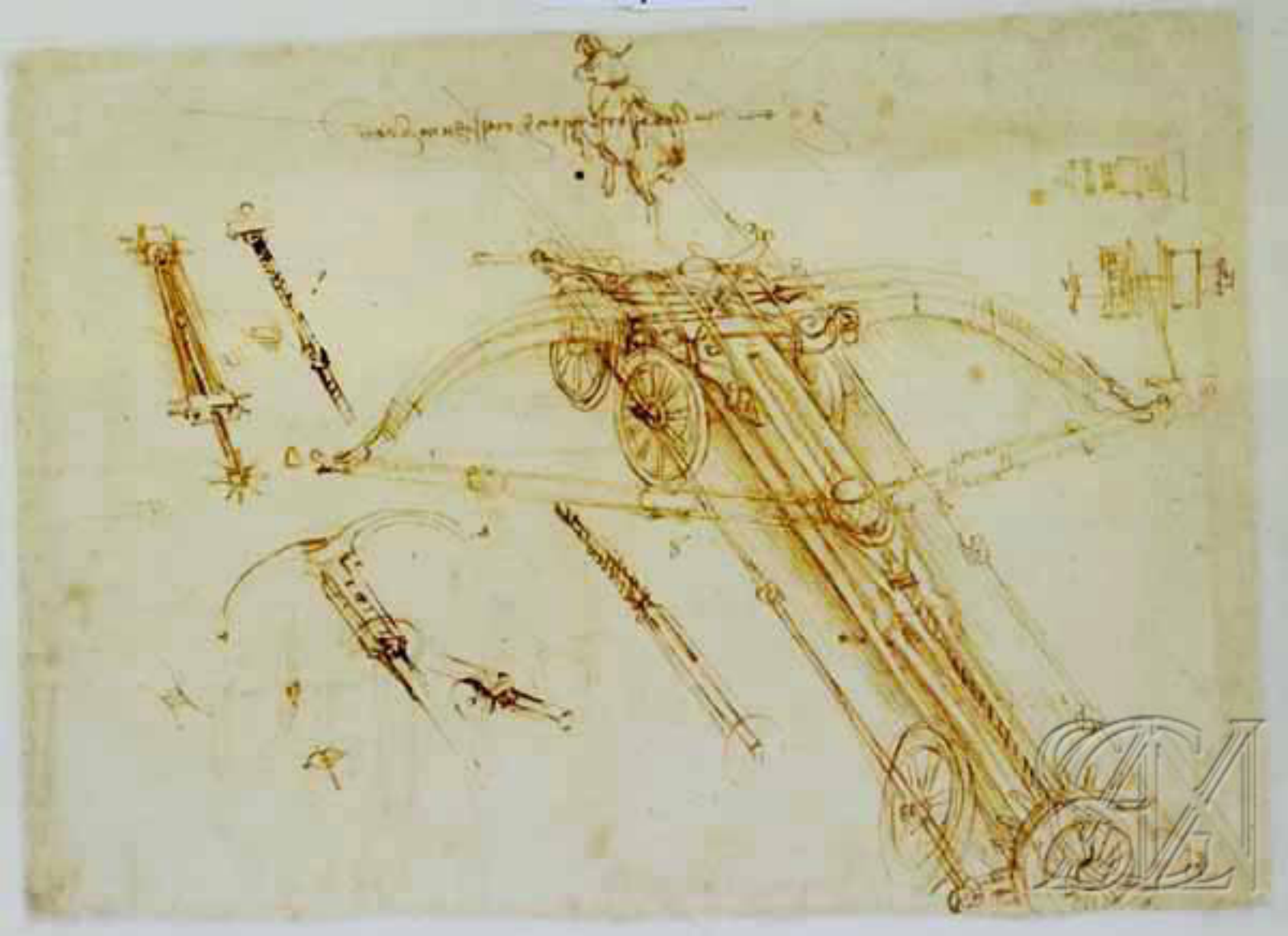

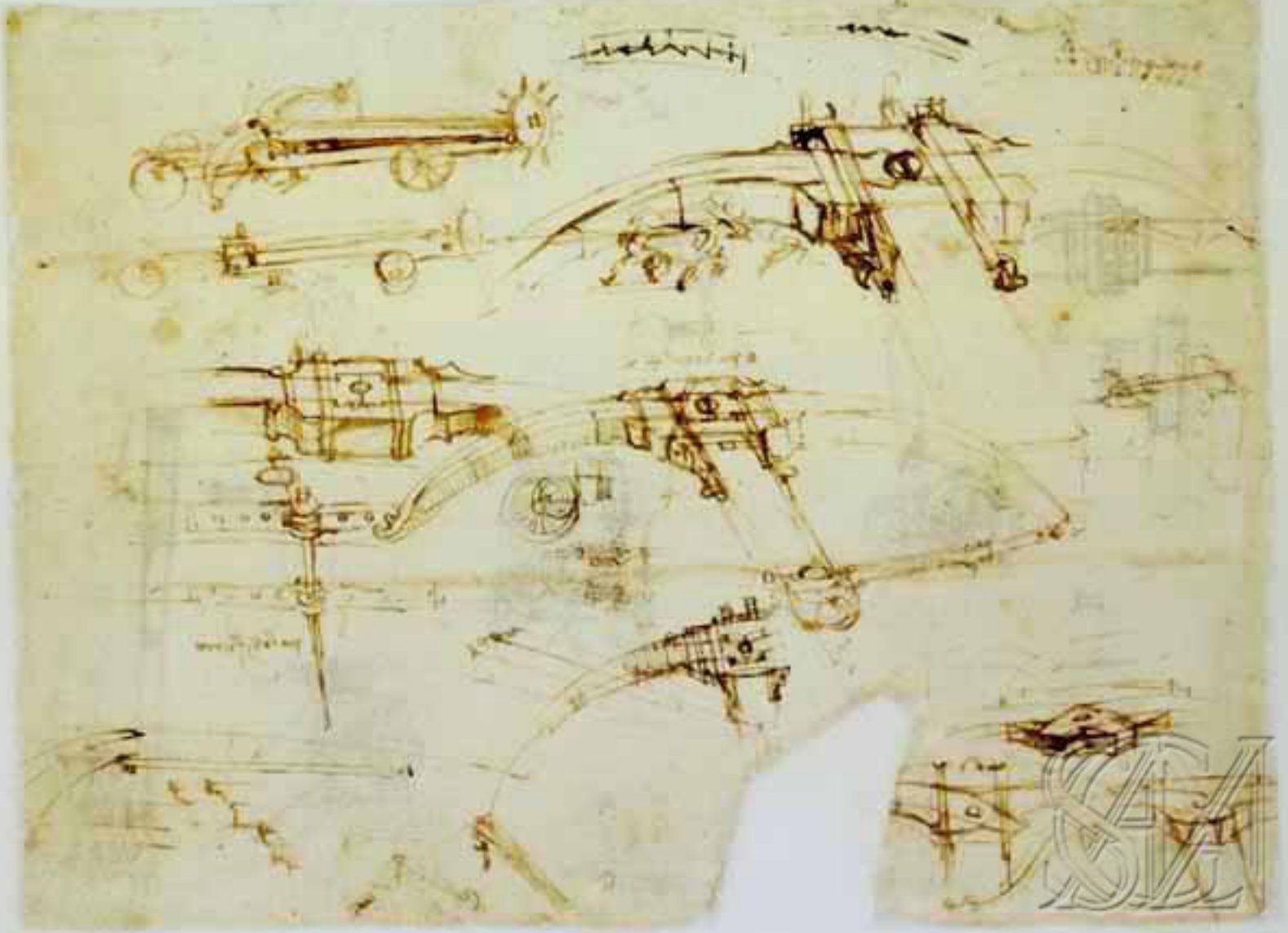

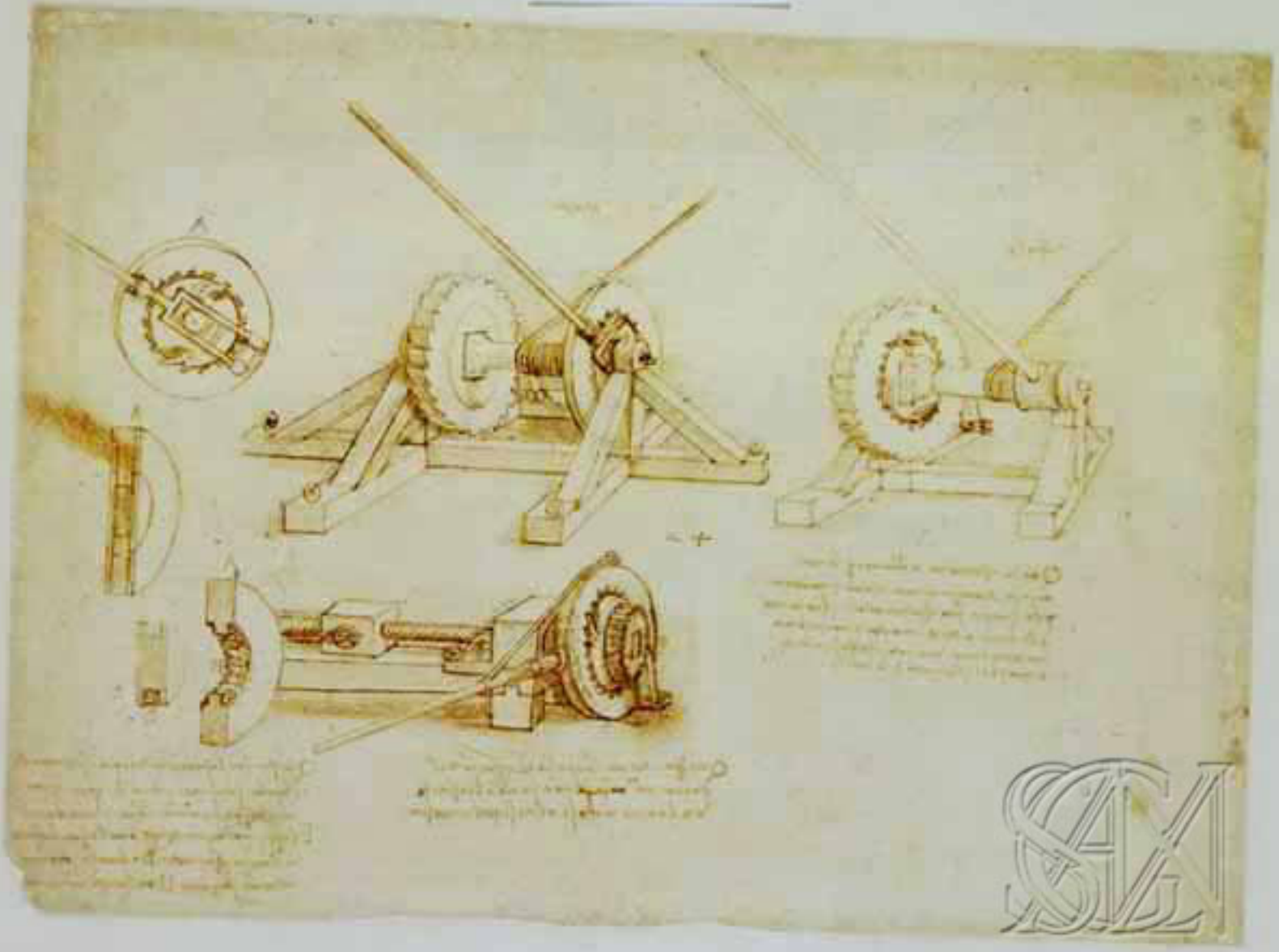

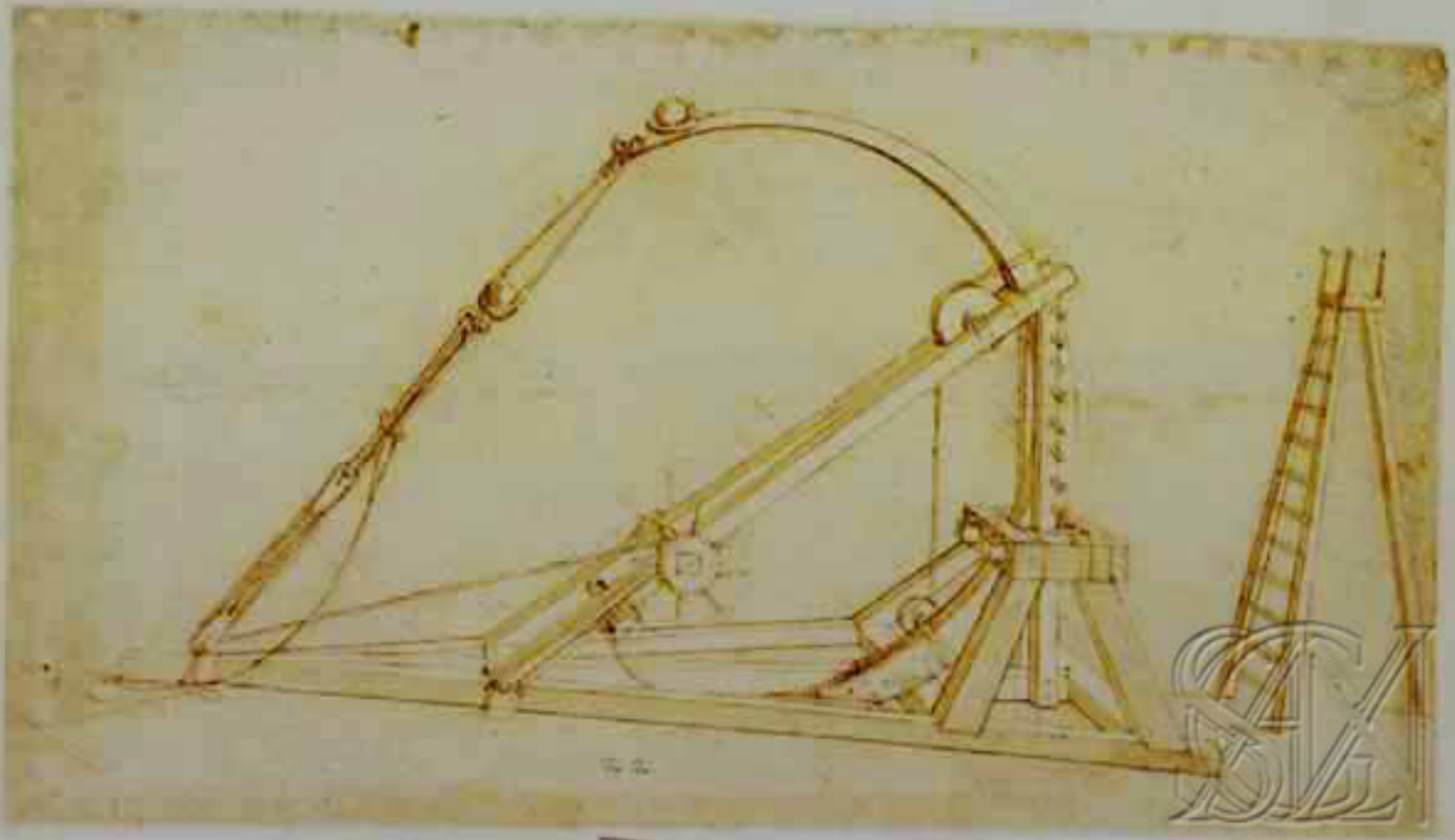

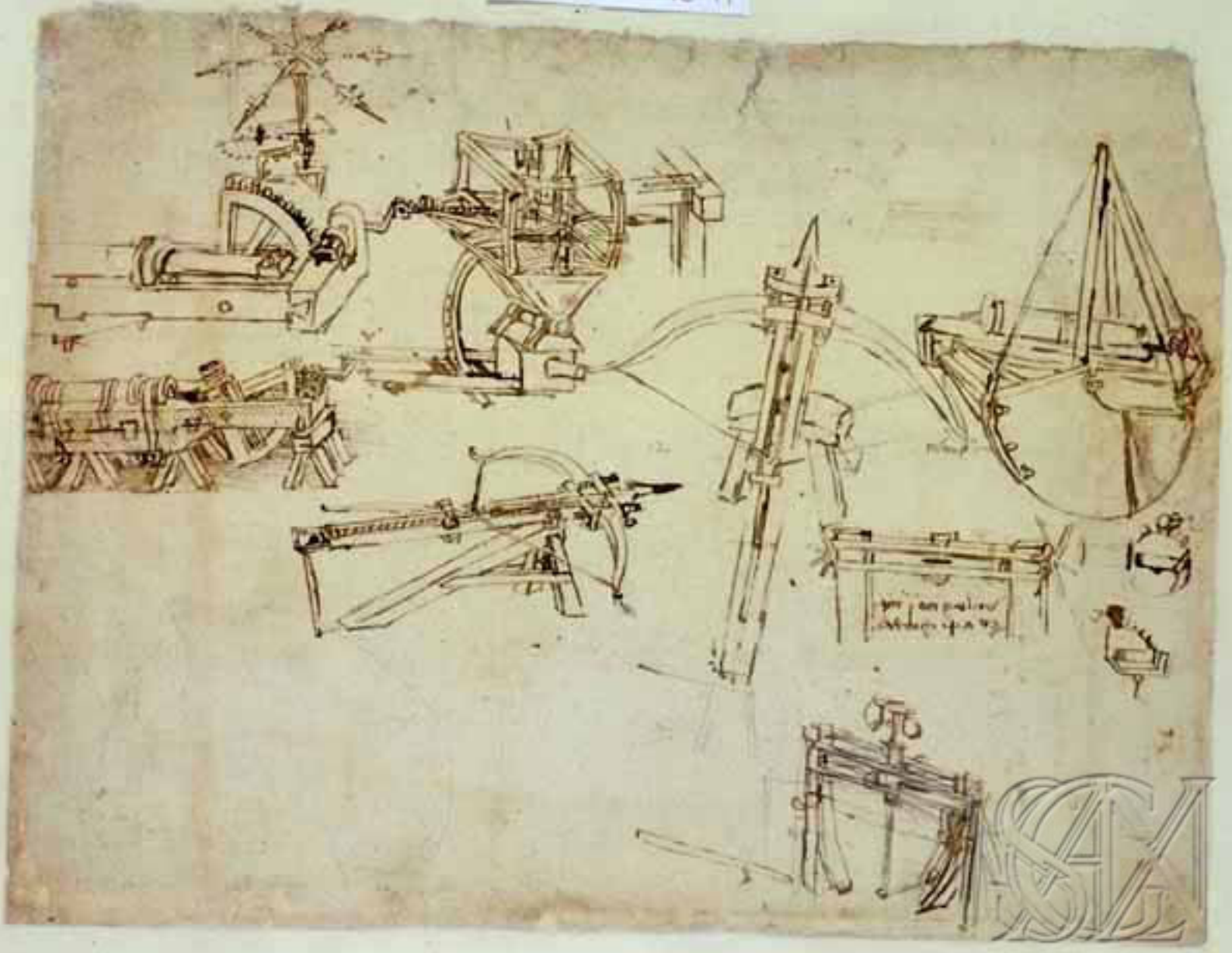

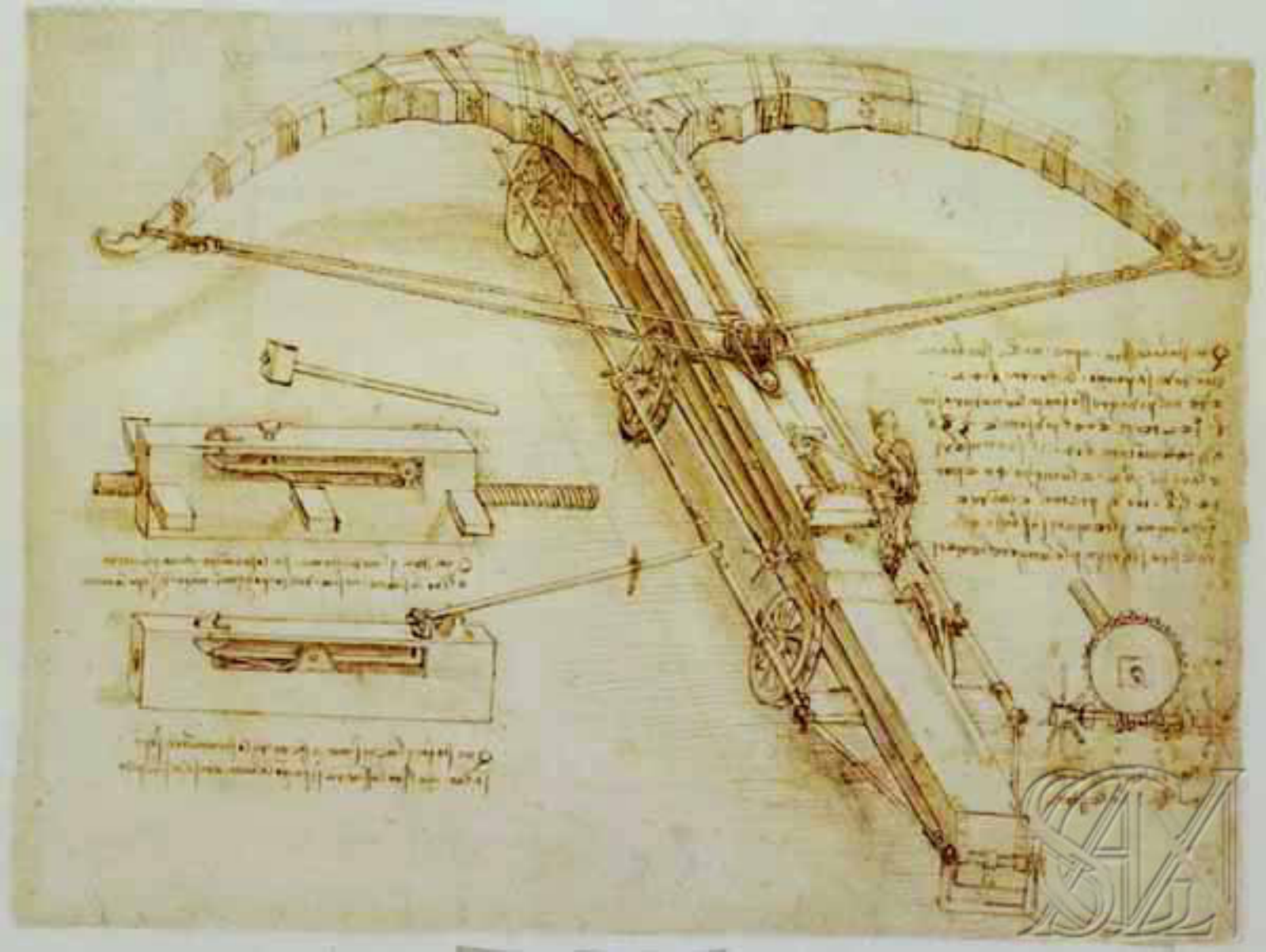

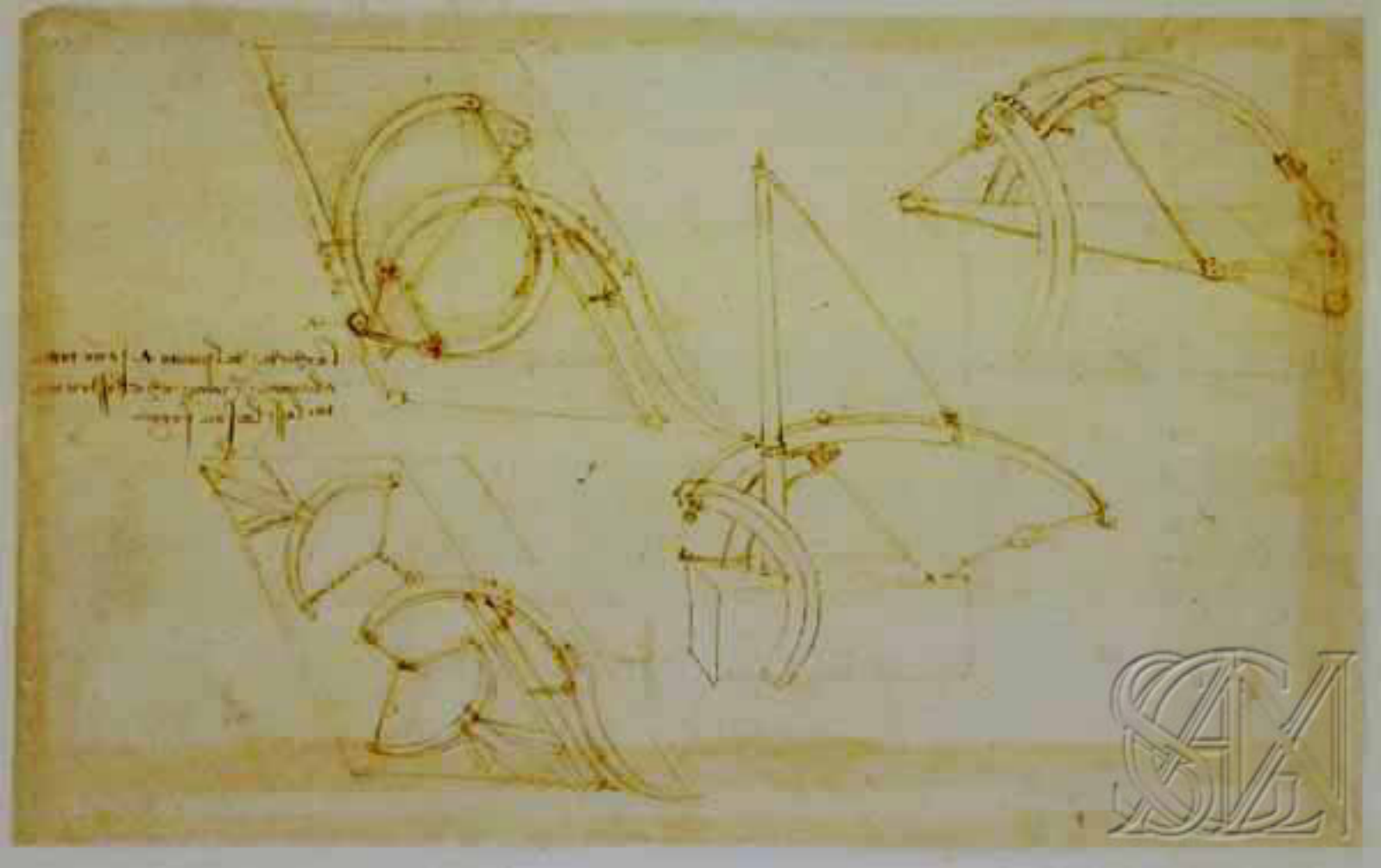

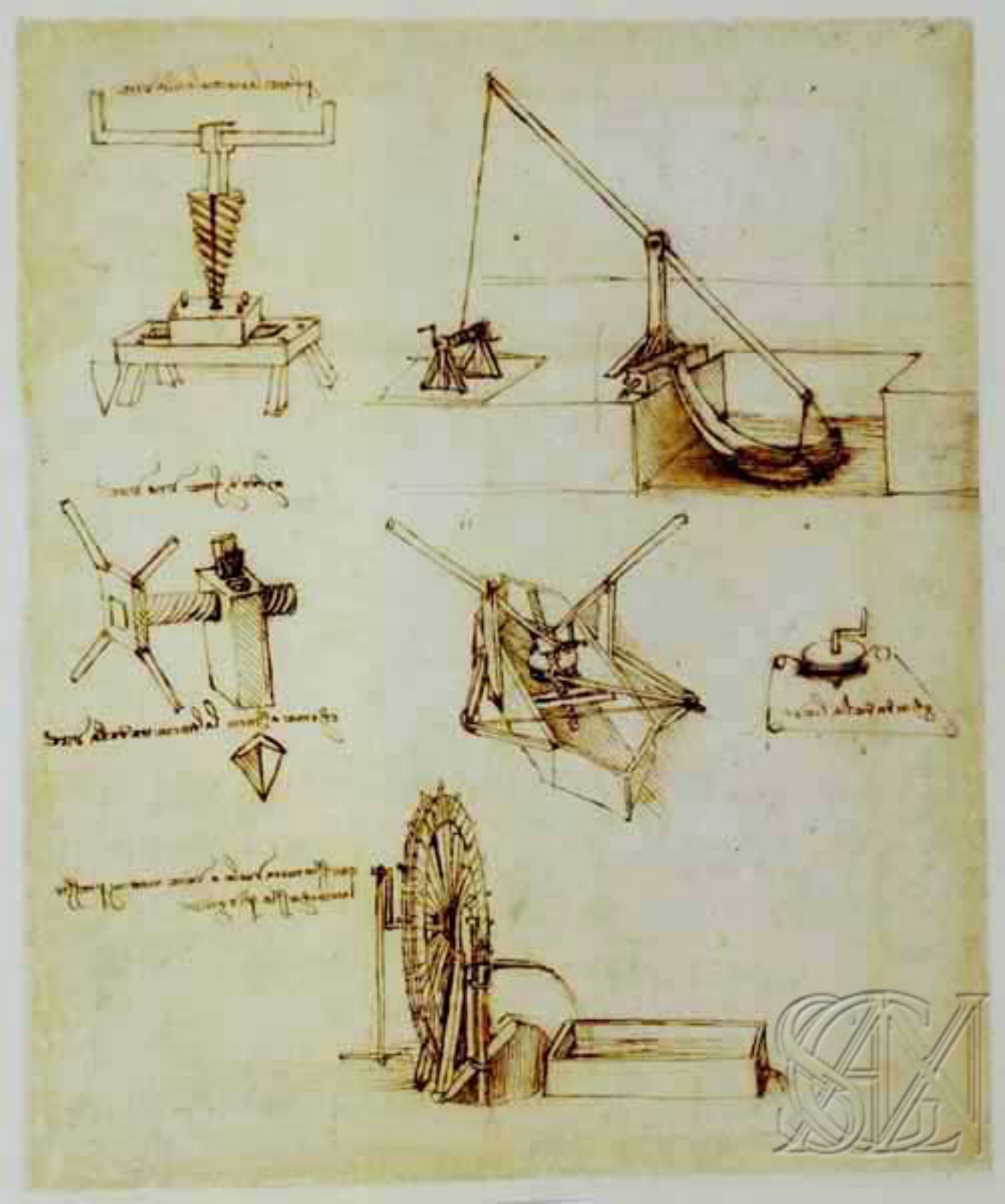

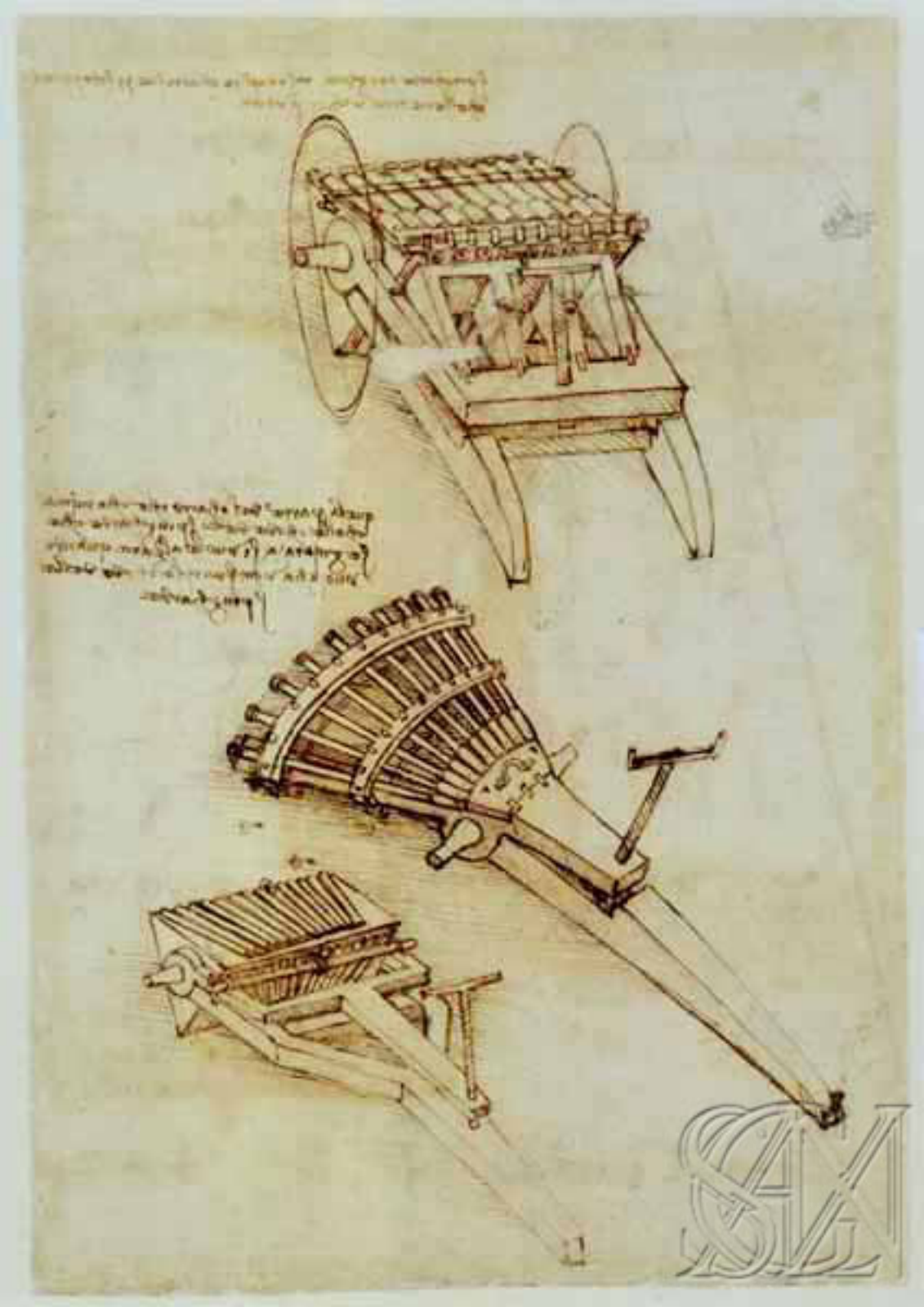

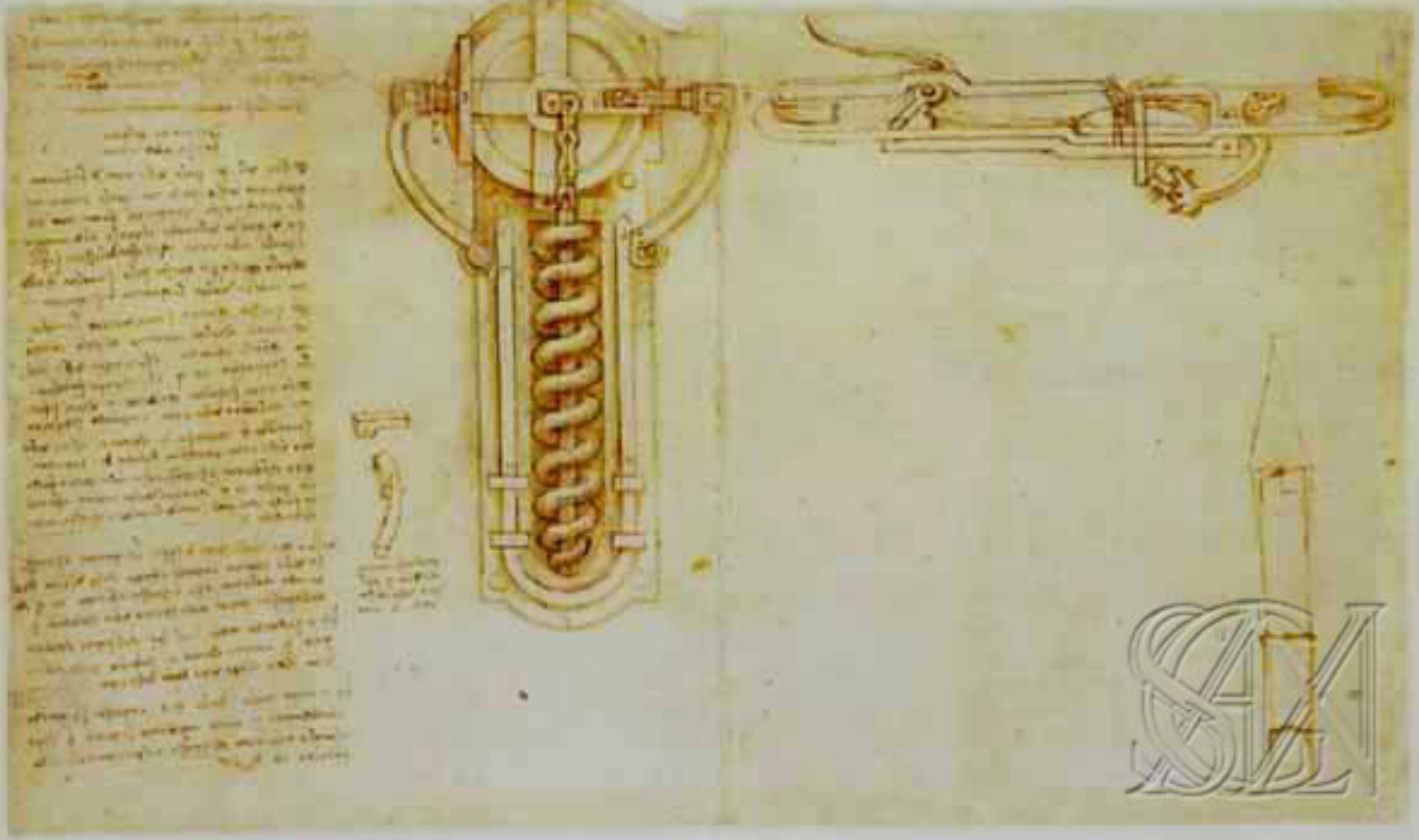

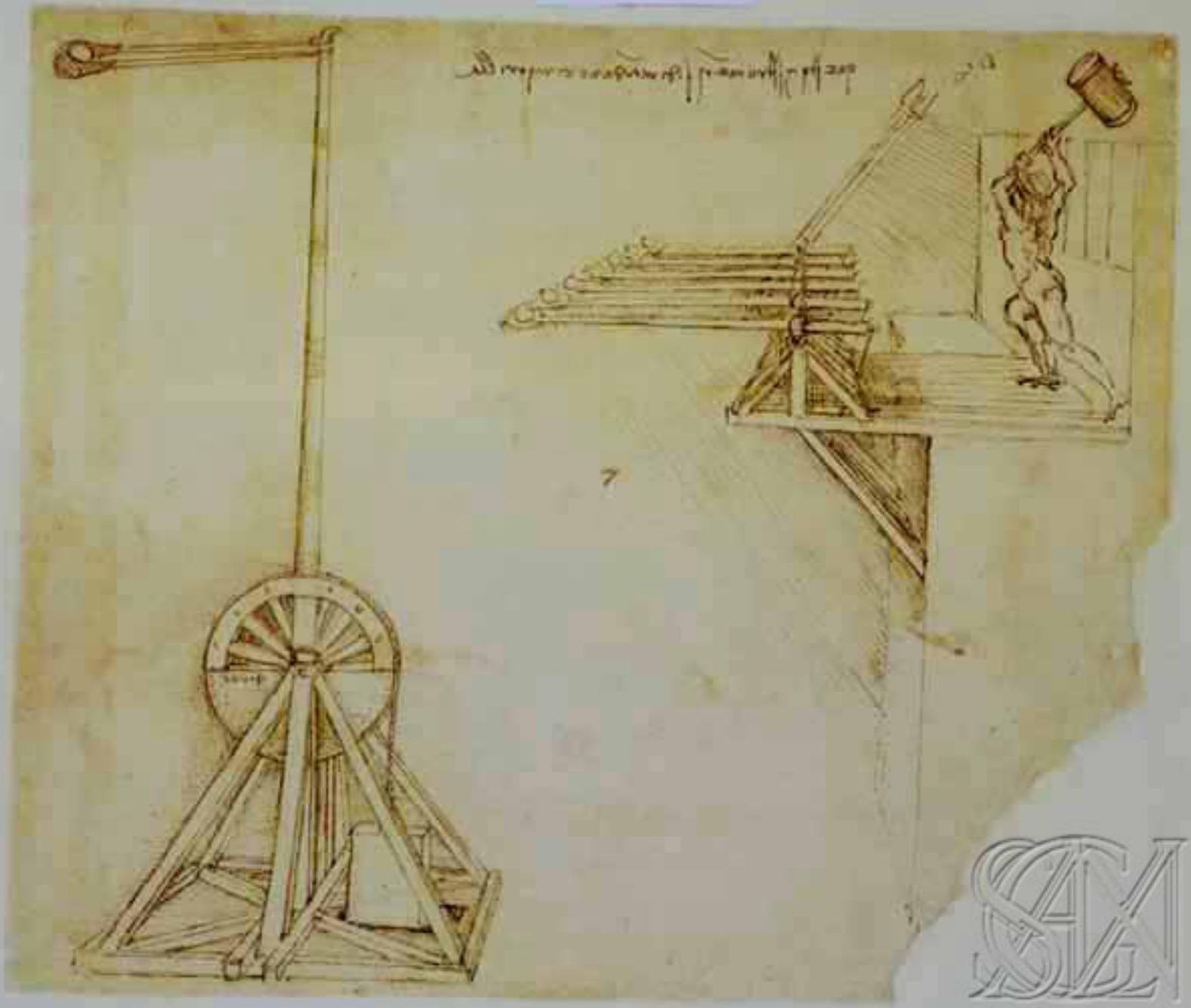

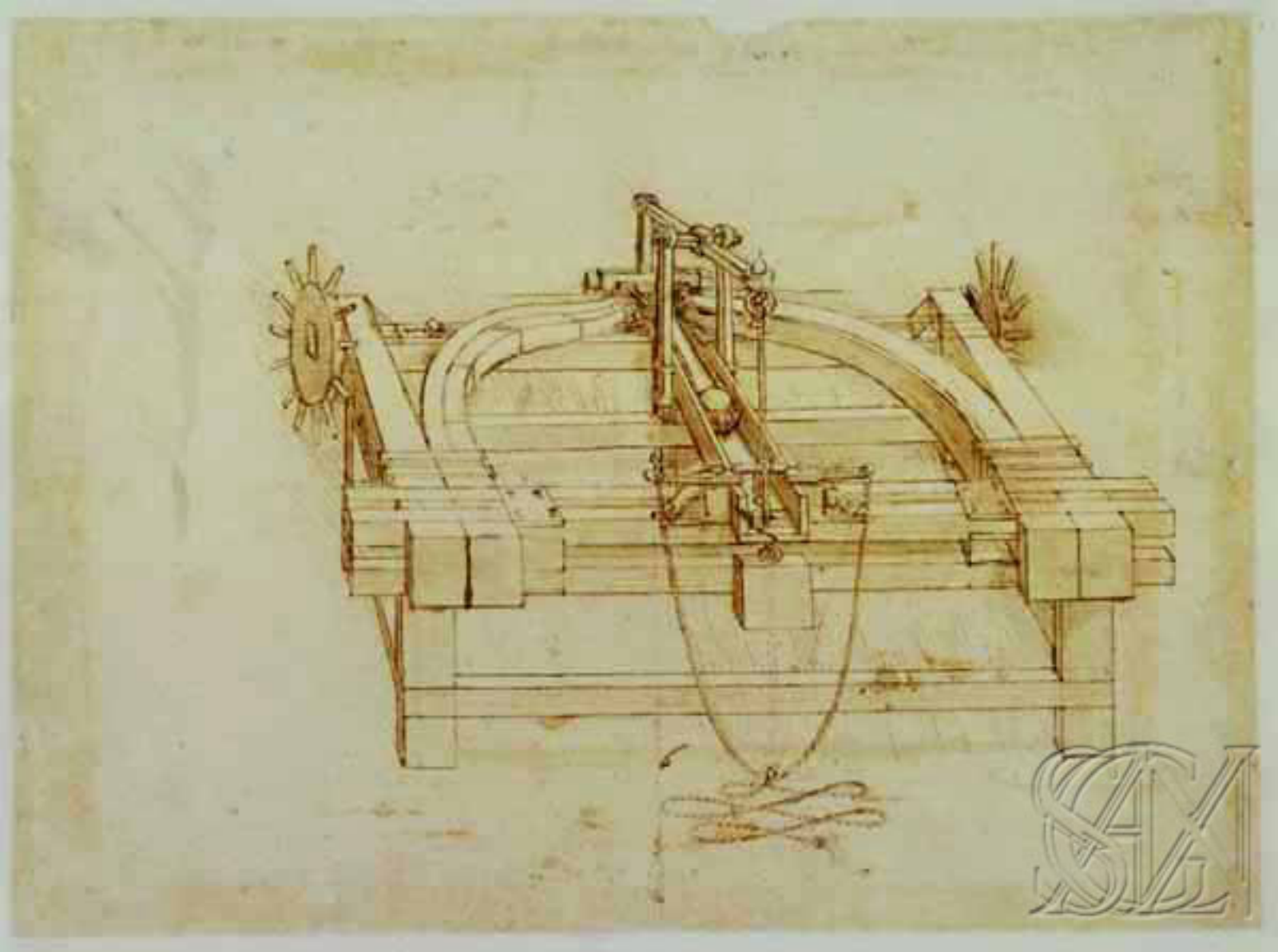

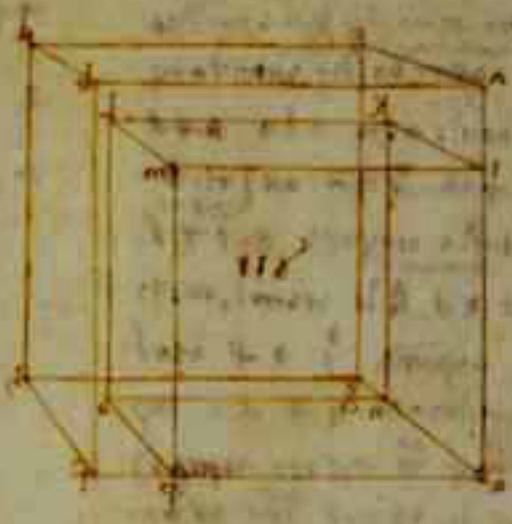

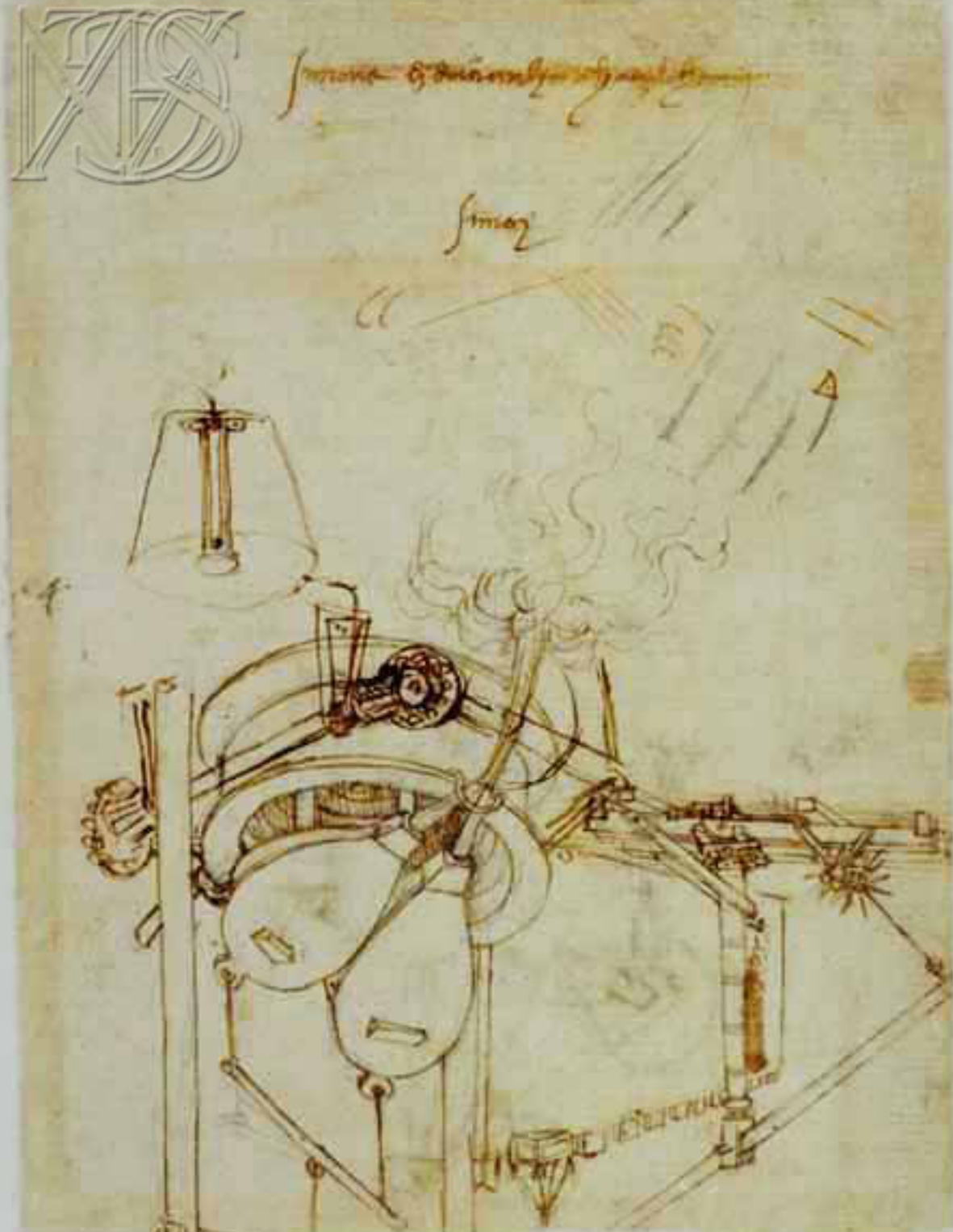

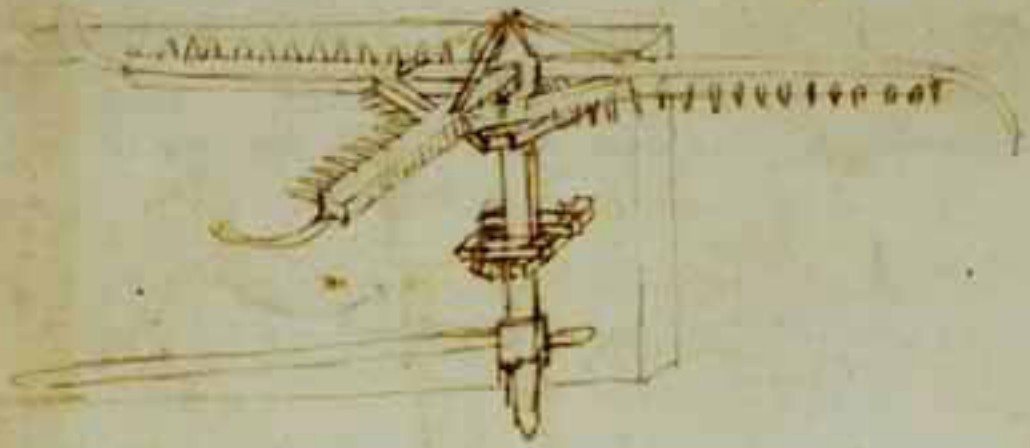

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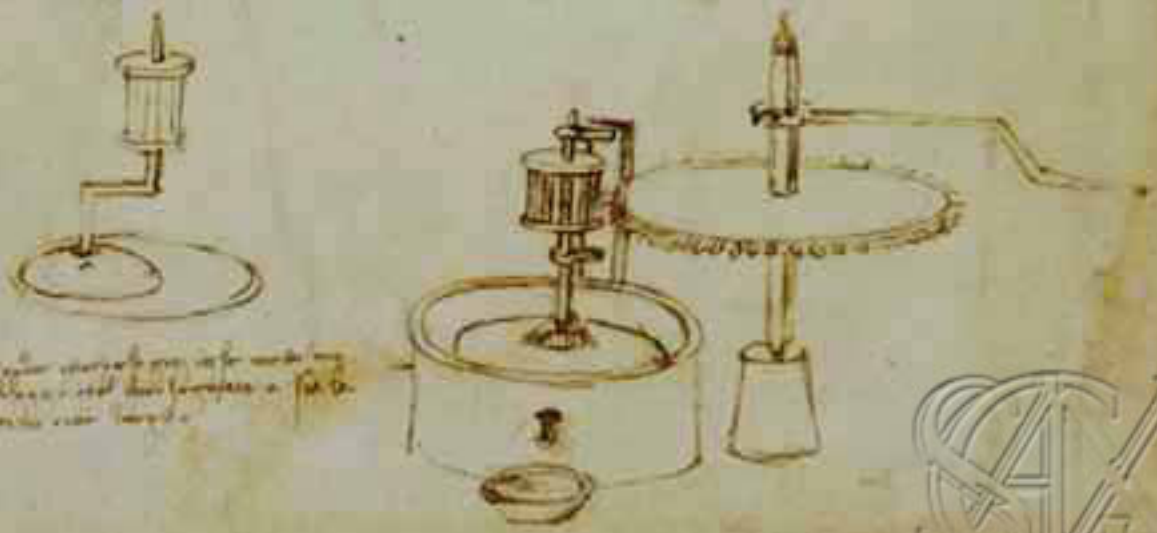

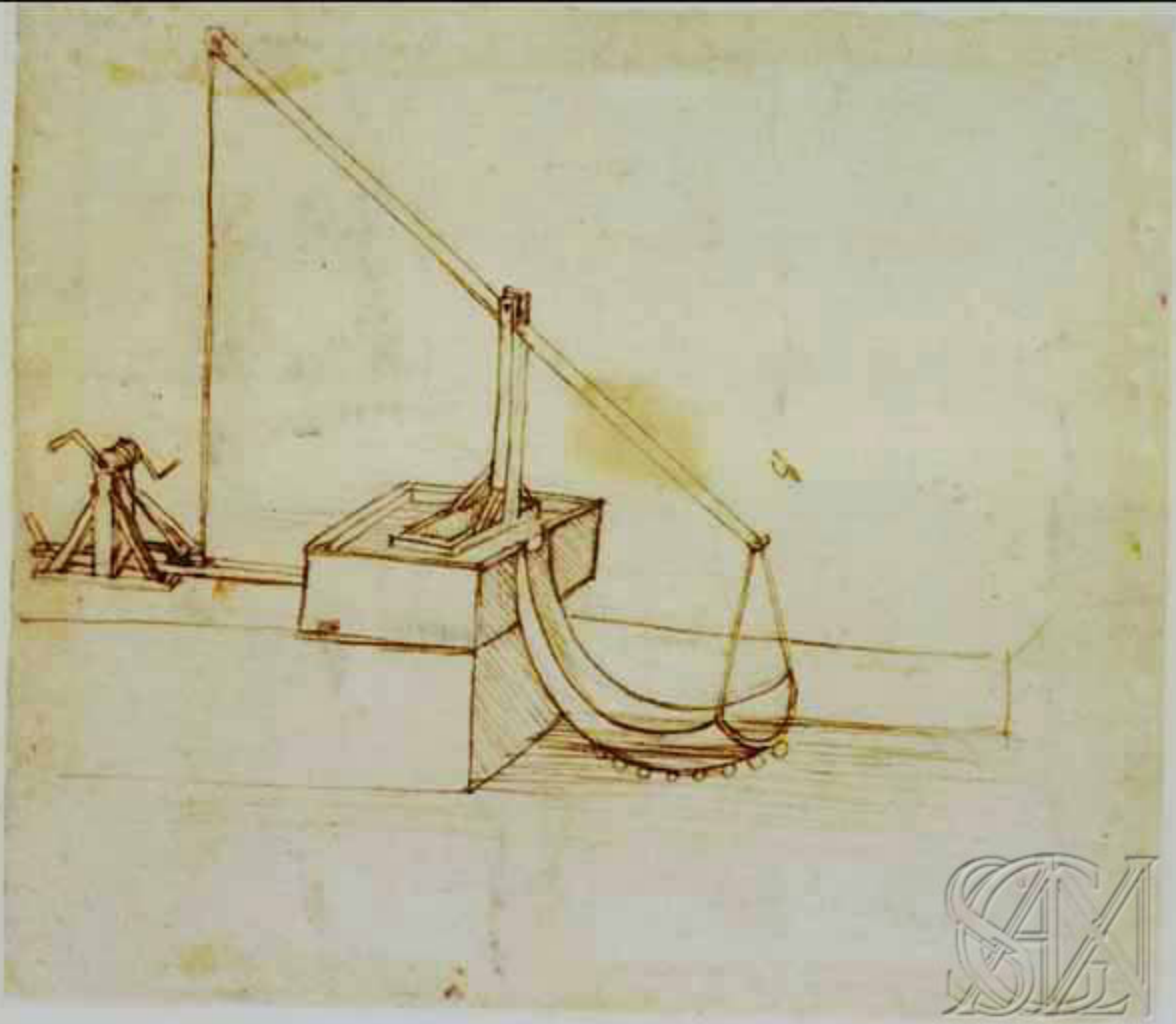

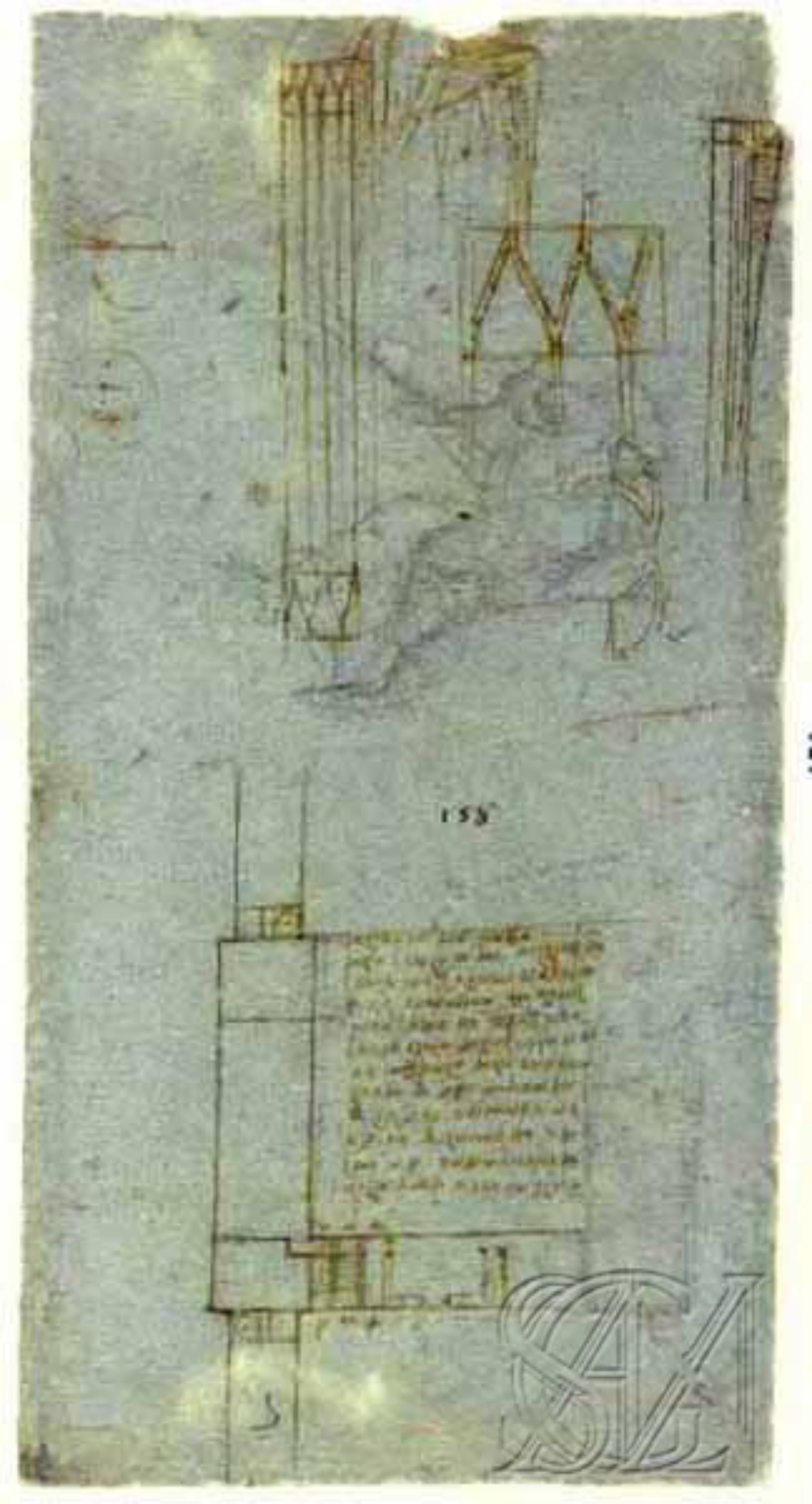
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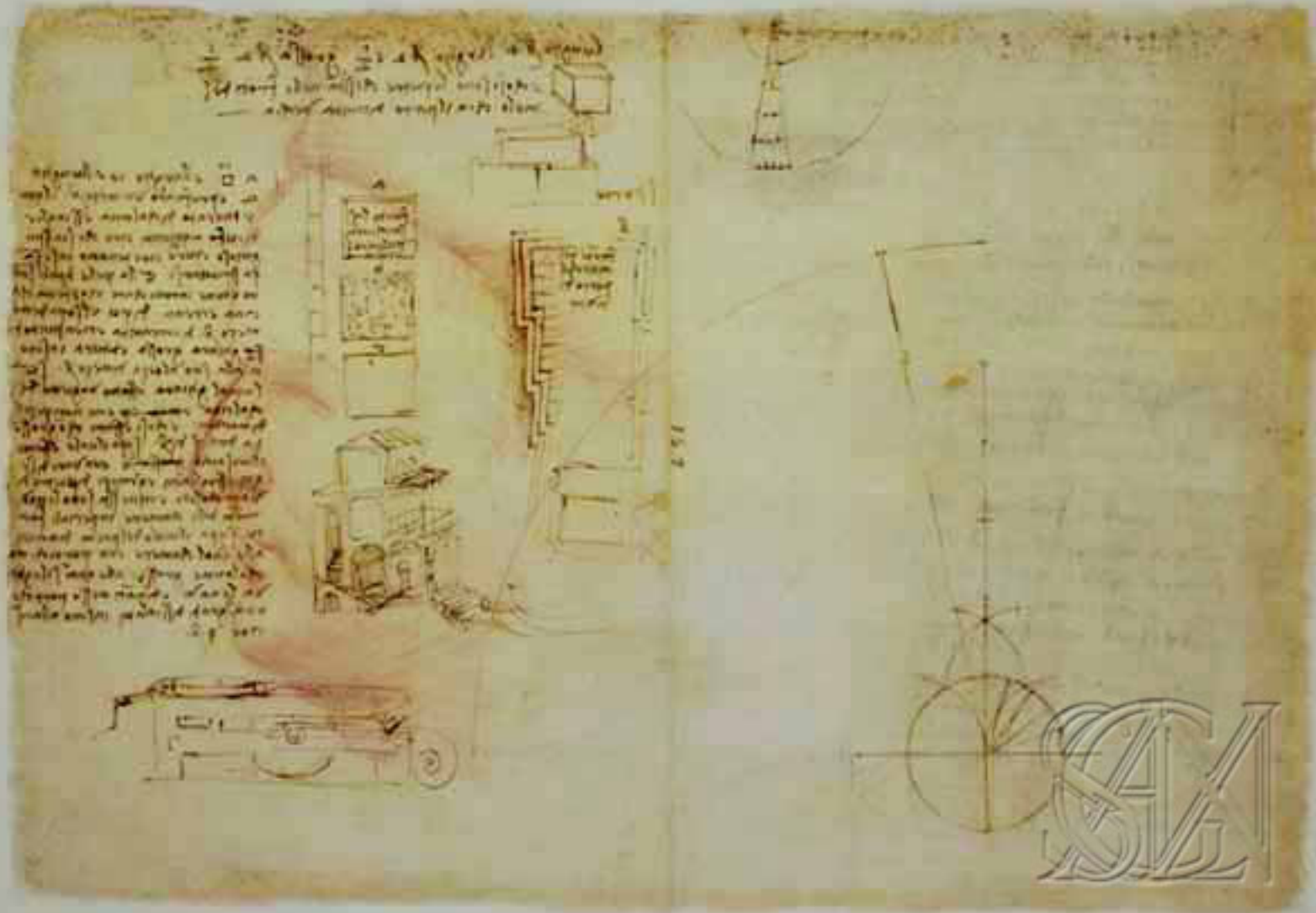
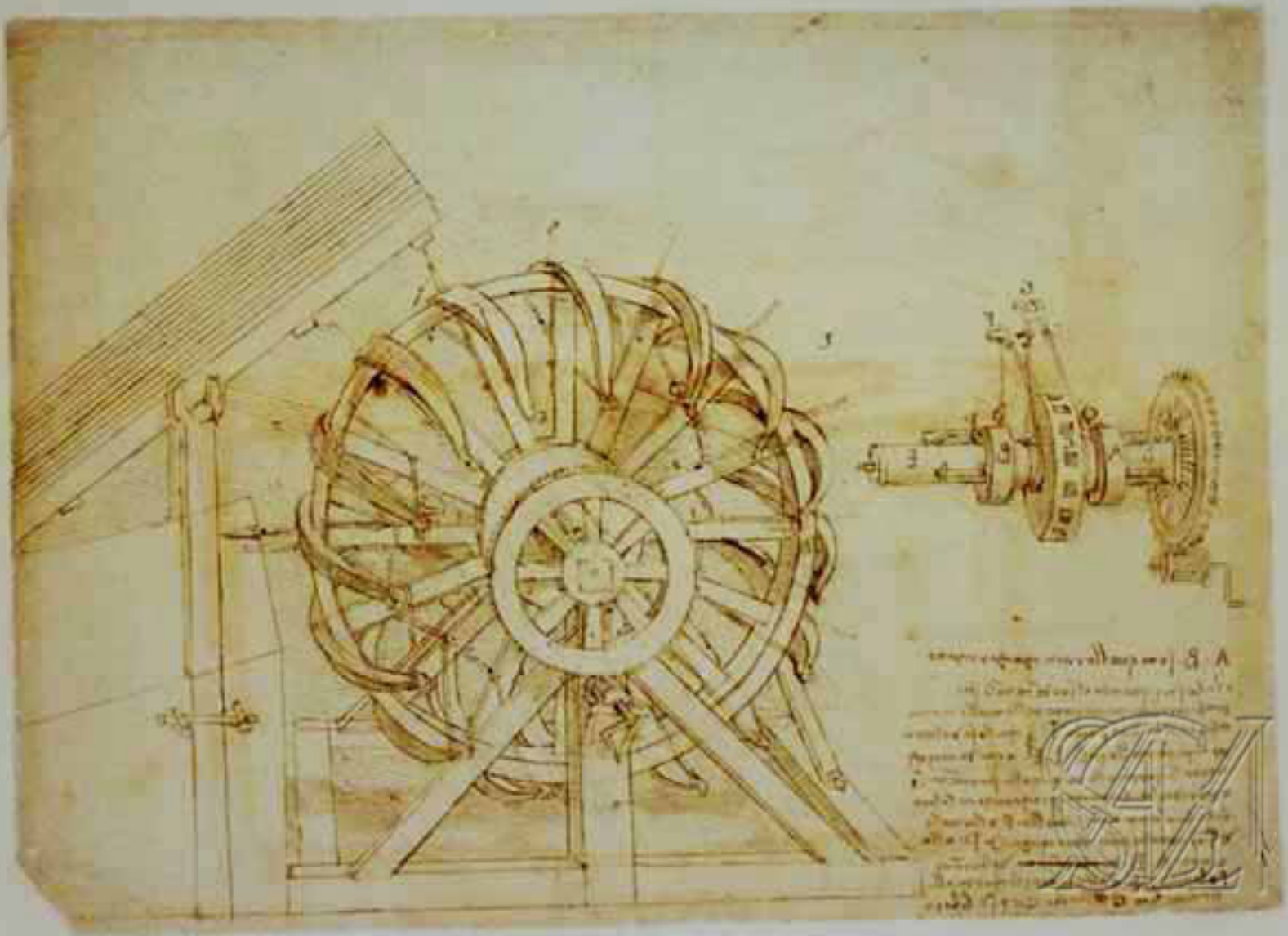
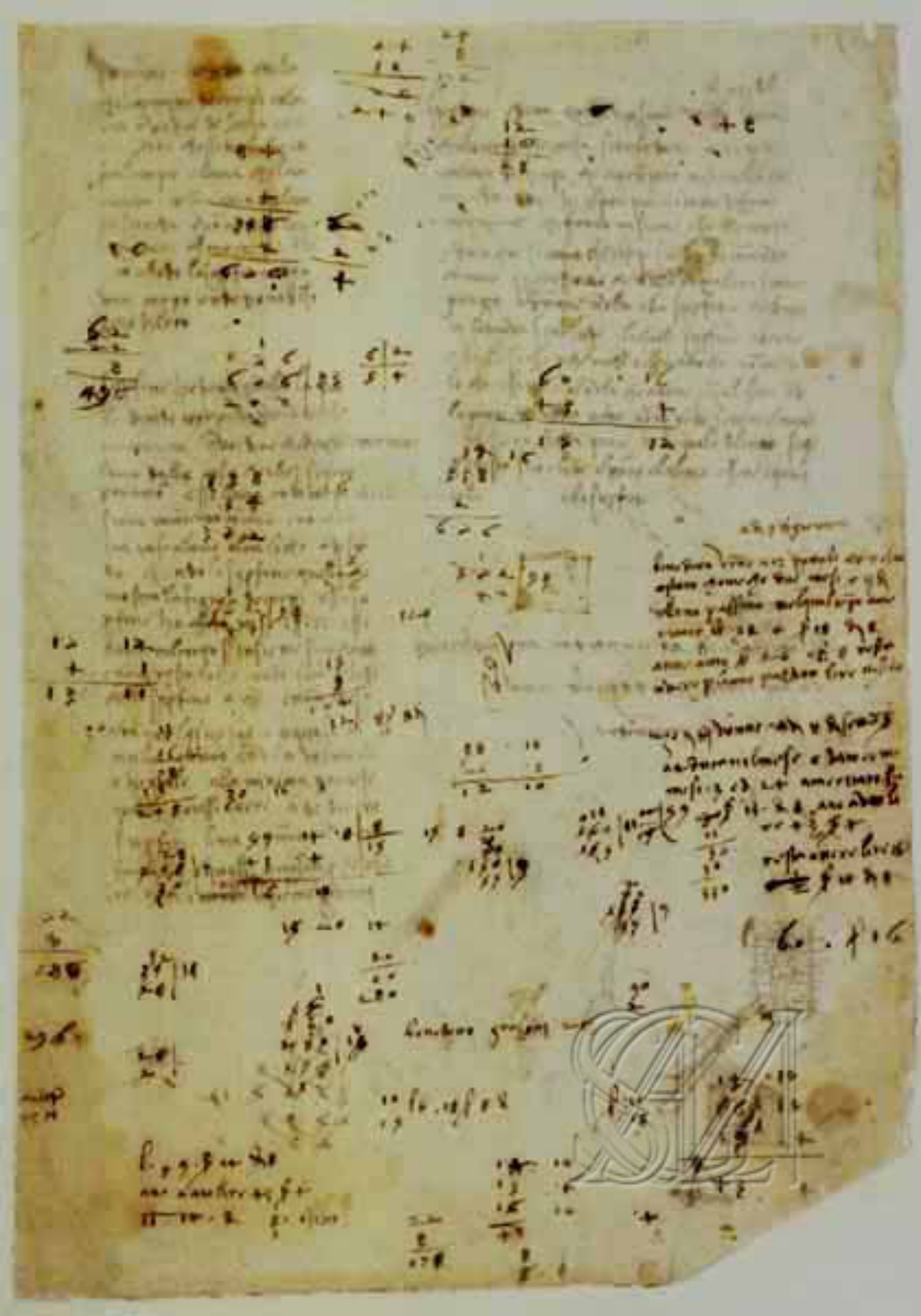
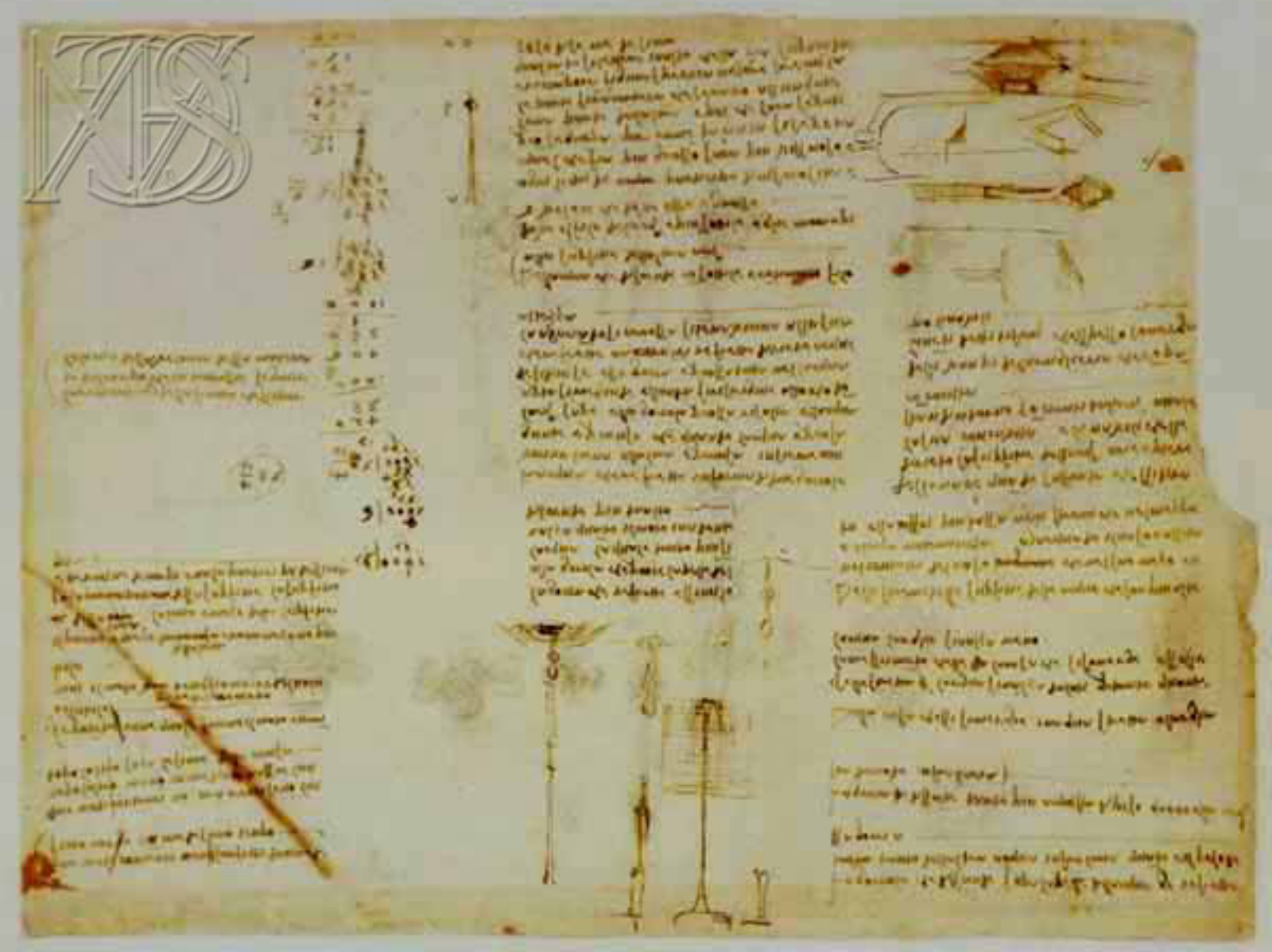
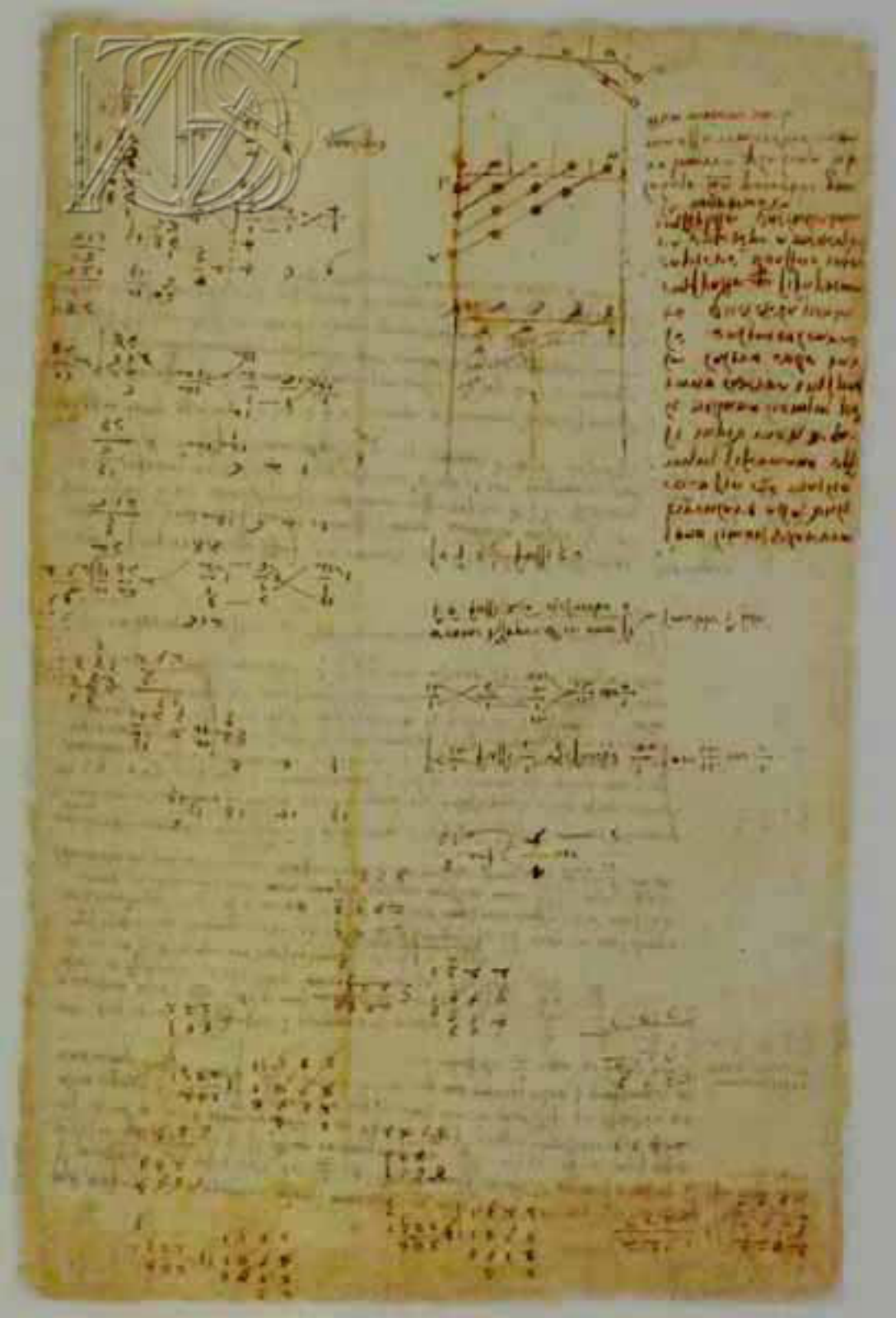
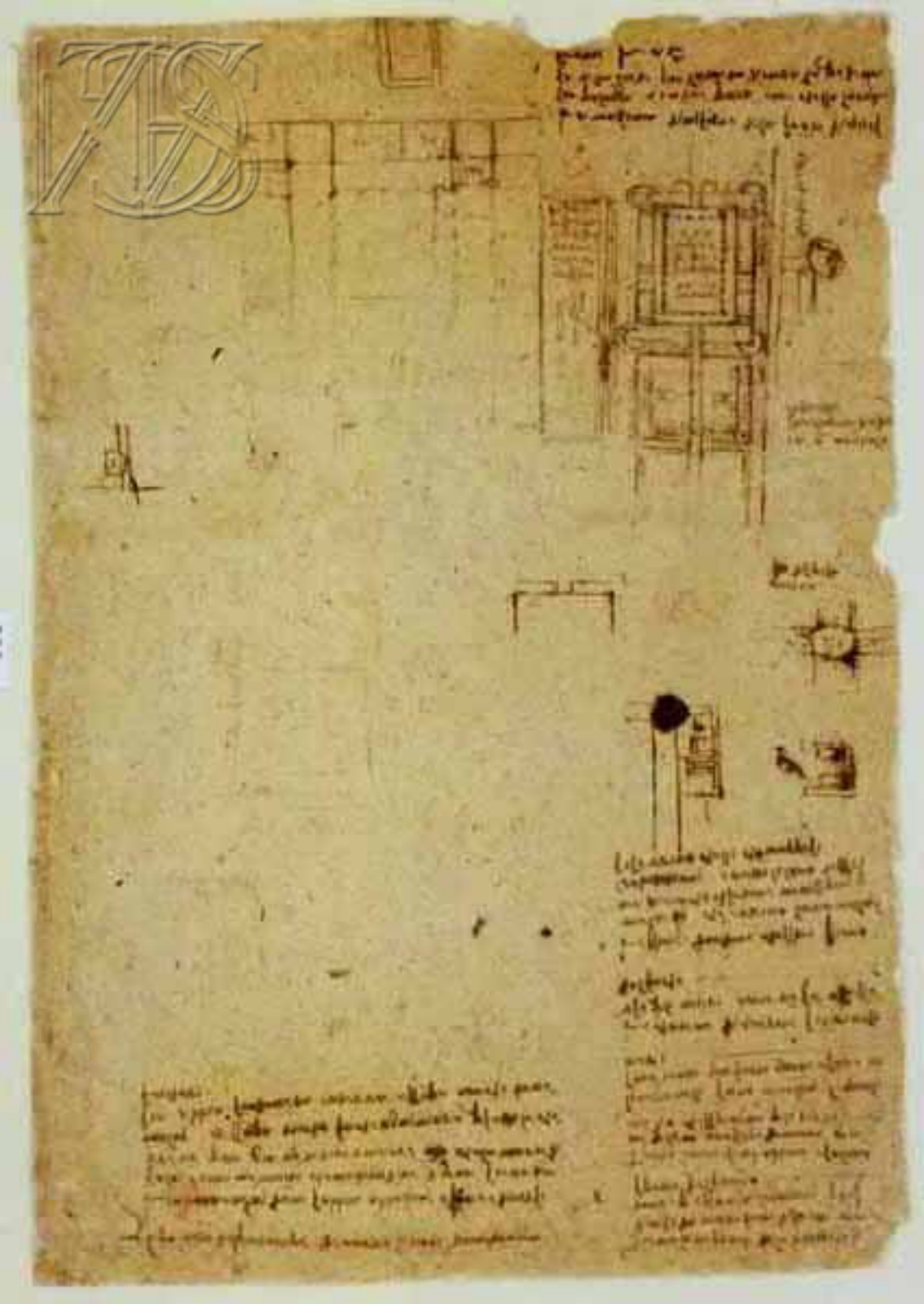


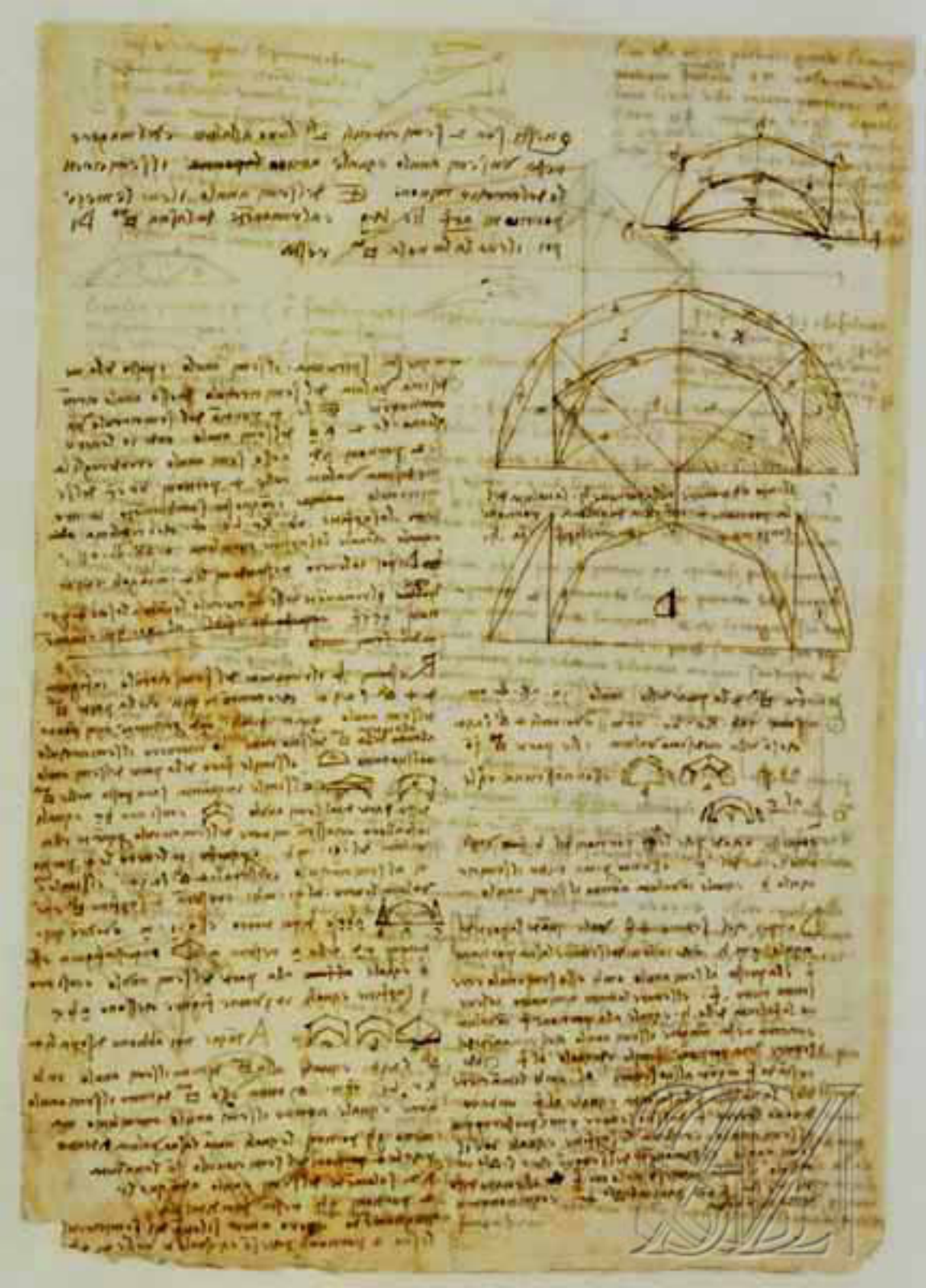


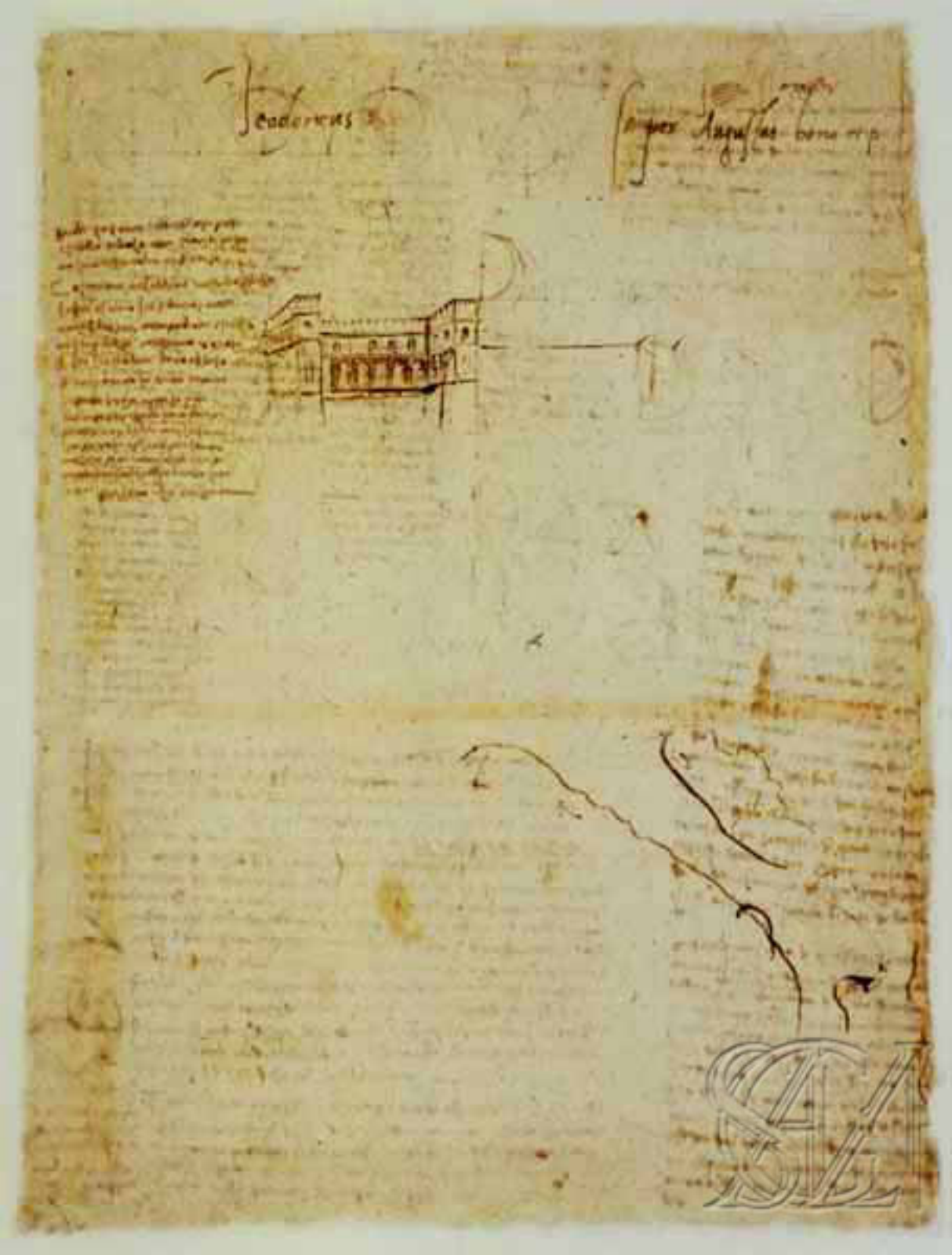








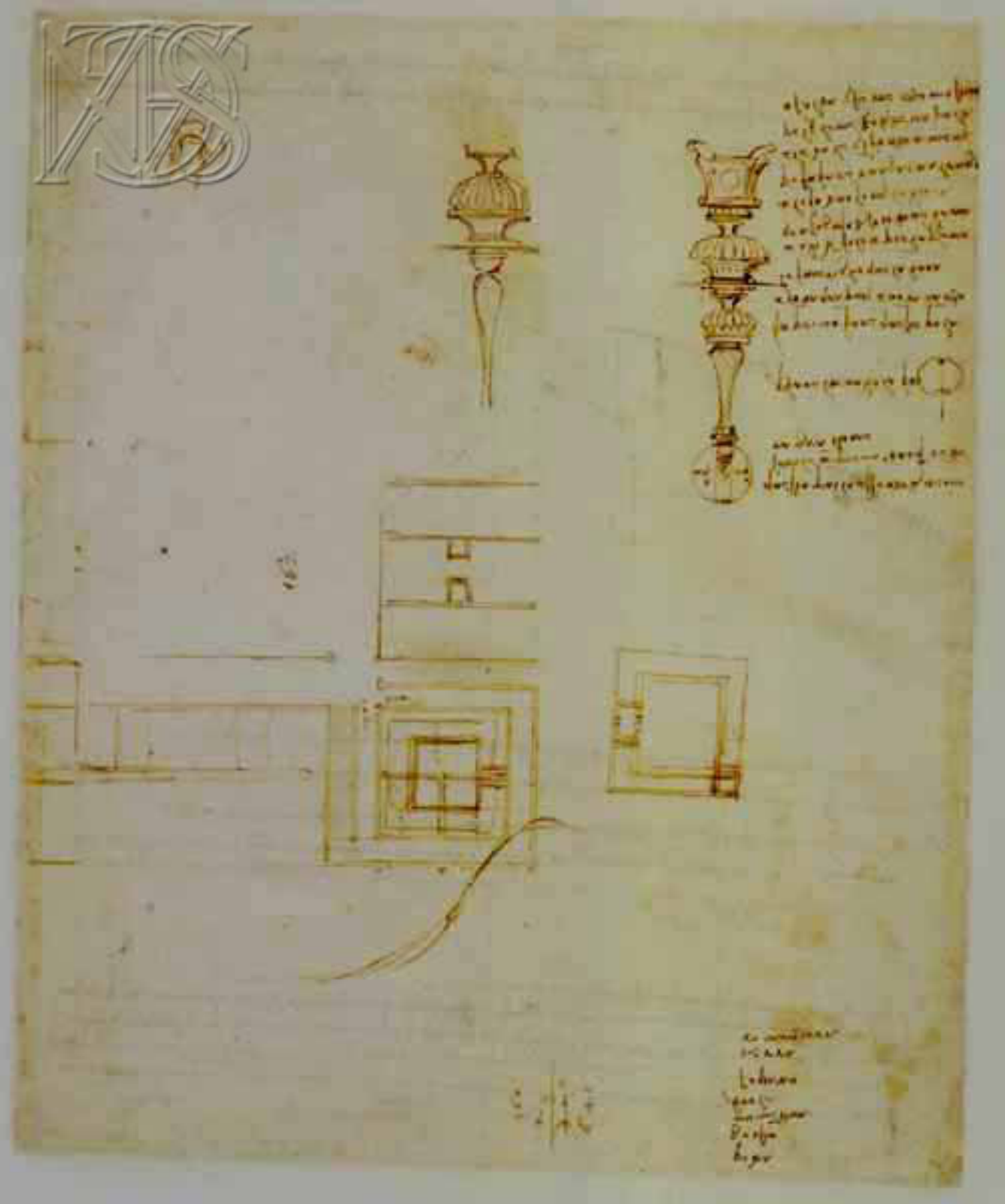


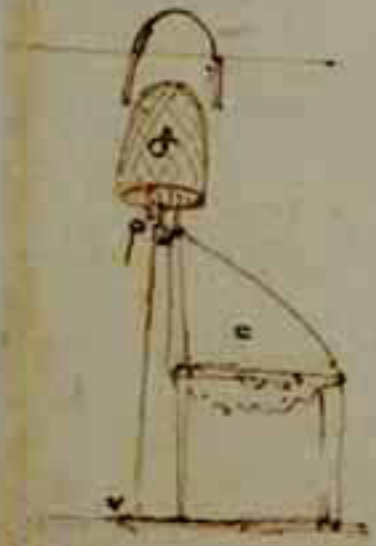


Per vedere il corso del vento infra l'aria e so[illegible]
[illegible] in una cannella di tenne et quella sopra
da Sima per e il vento soffiare [illegible] fumo uscirà della
apposita per ò vedere dimostrarlo delle sue happenti et si riconosce
nel mio del vento nella predetta aria.

Acqua et dalle cime de monti alle loro radice discende
in ogni grado del suo discorso quella grado de turbulenza
et ei preda de varie sassi et diversi legnami.

Acqua et quanta quantità discende infra l'aria nè sarà co
mere le parte della sua grossezza et equali moto, ma quella
fia di più tarda discesa et fia più remota dalla linea centrale
della sua grossezza, e questo marcerà, sia più lenta
tra centro e più veloce ed l'aria et quella et e veloce
al mezzo et quella si fia più lente e quella e più veloce si
fia tarda. e il medesimo accade nel fiume nel mare, ma
rammente a quello dell'aria.





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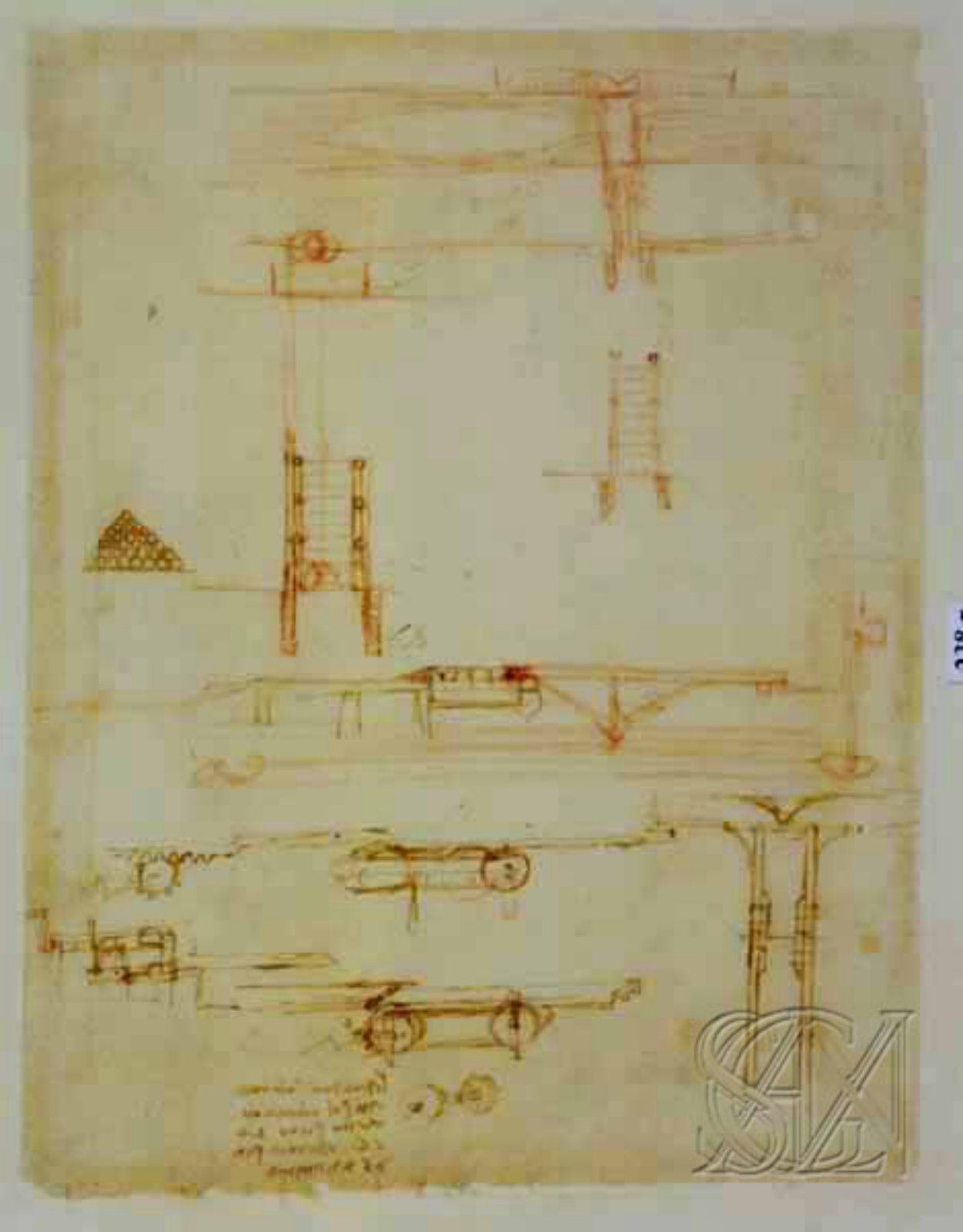

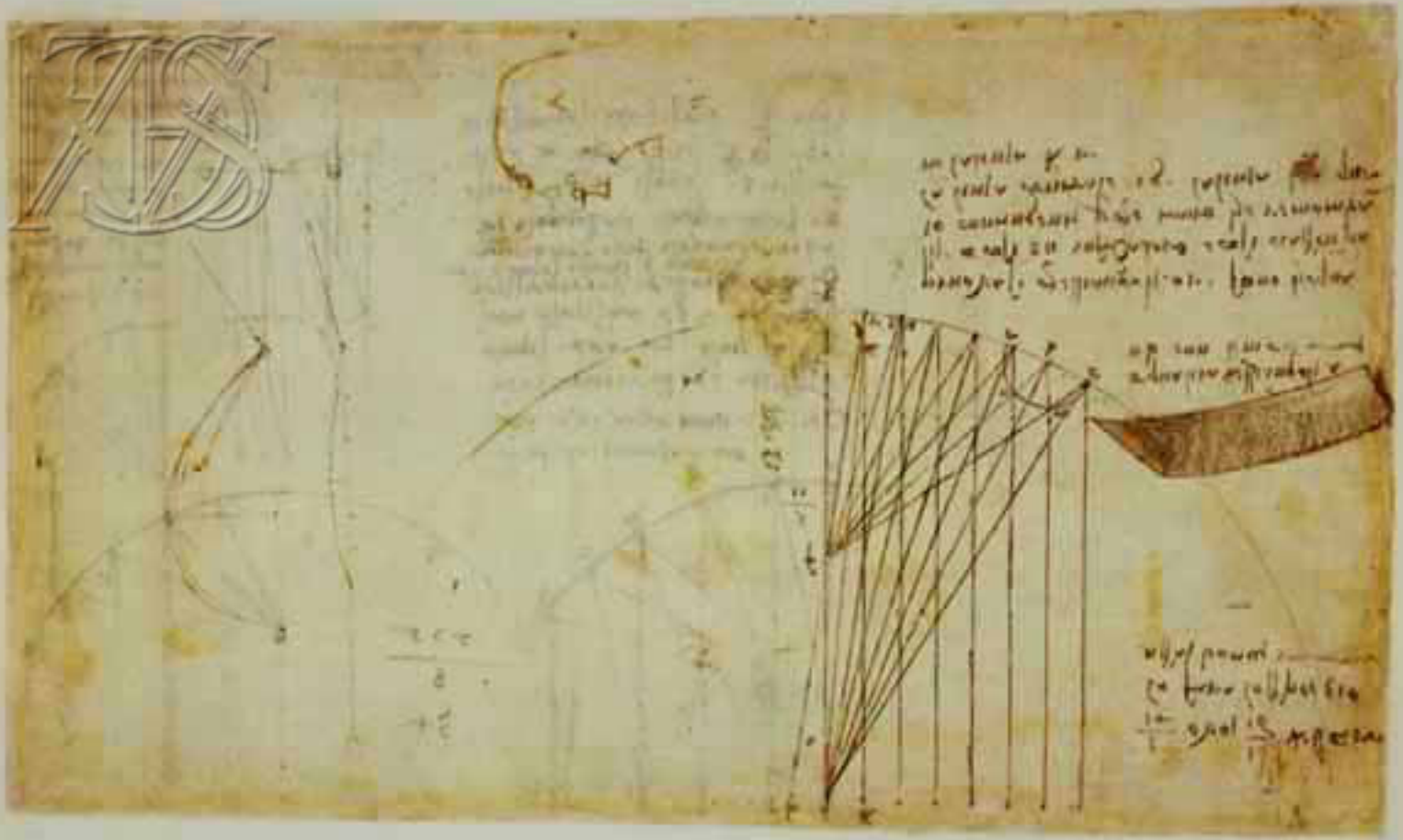

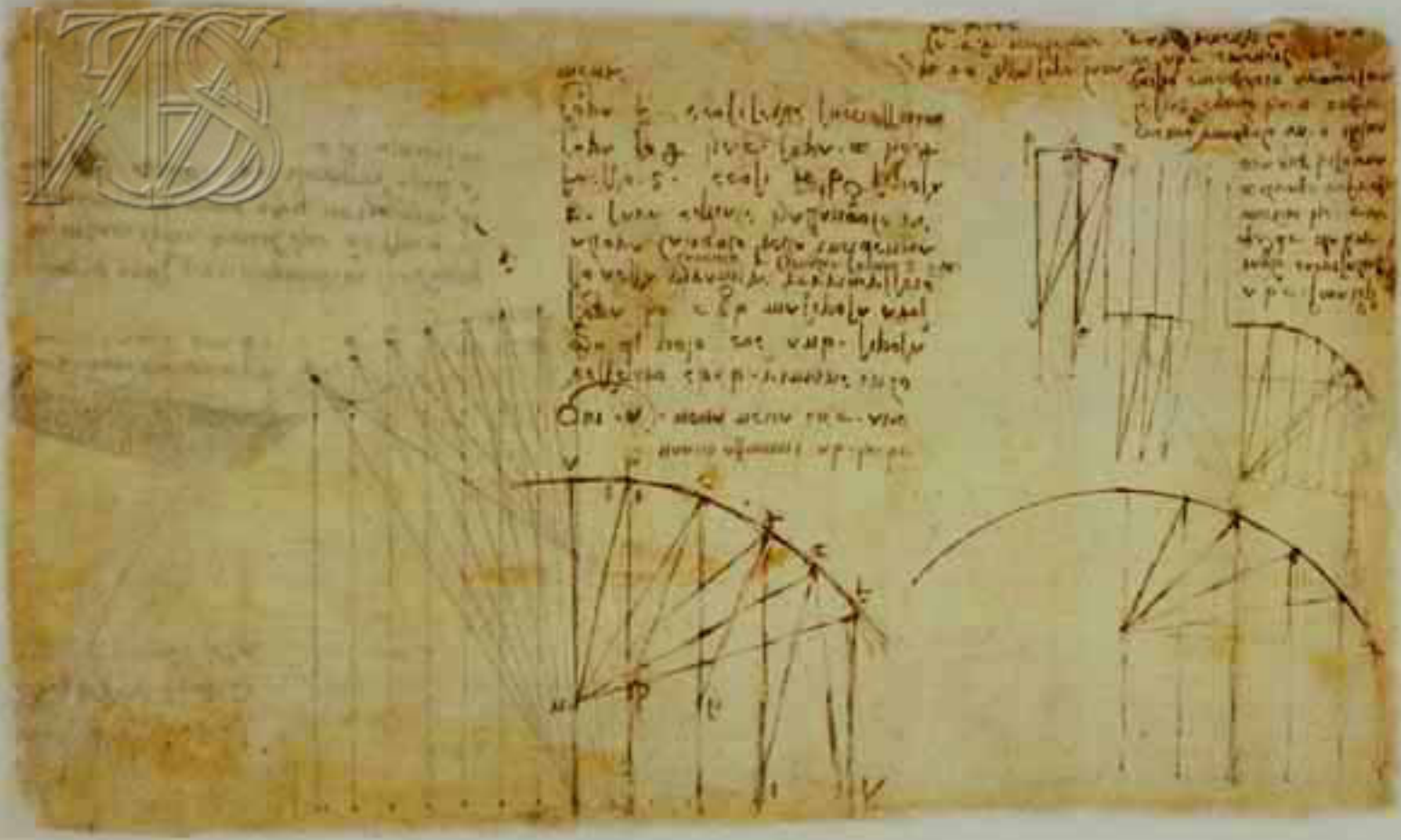

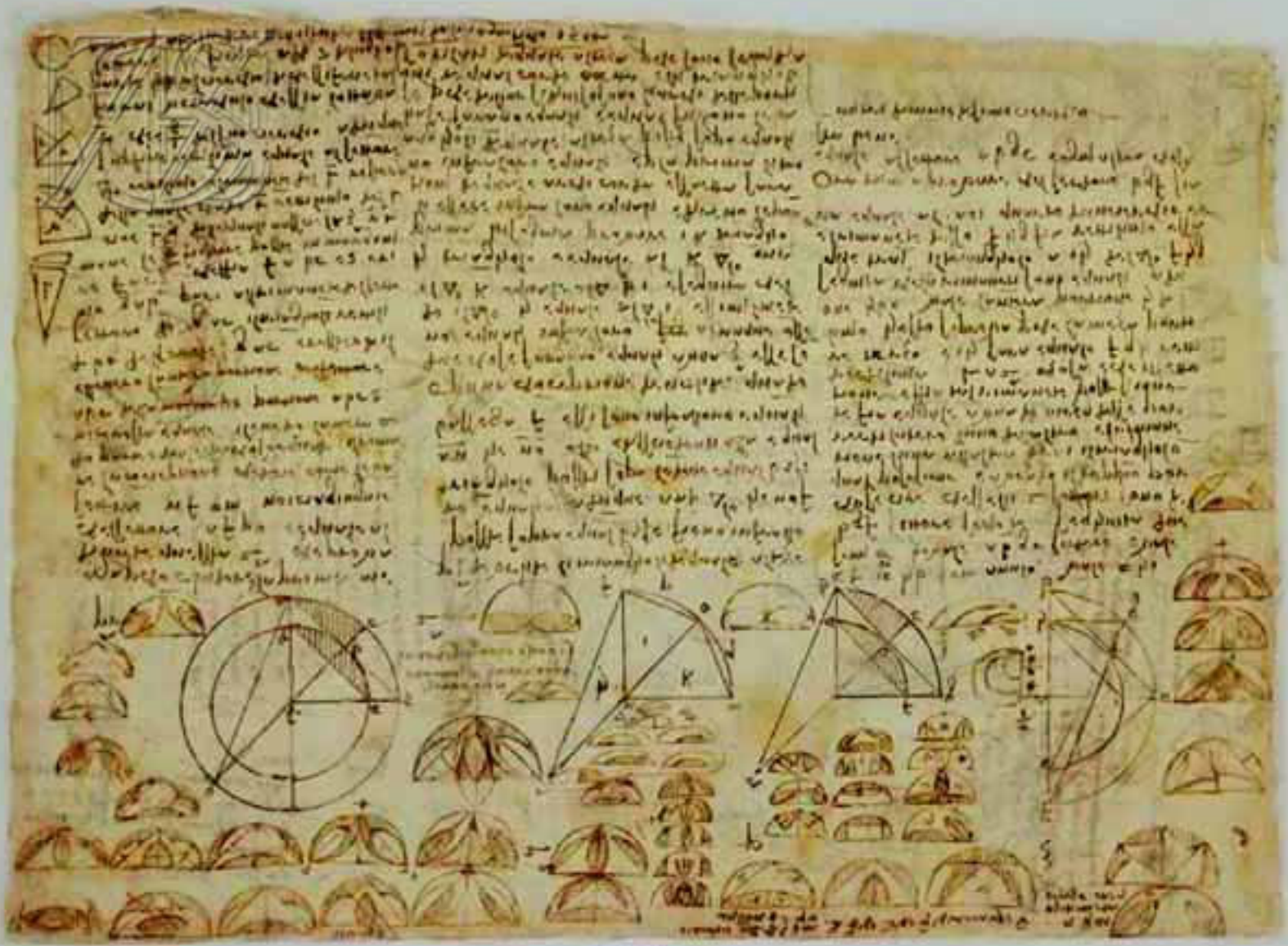

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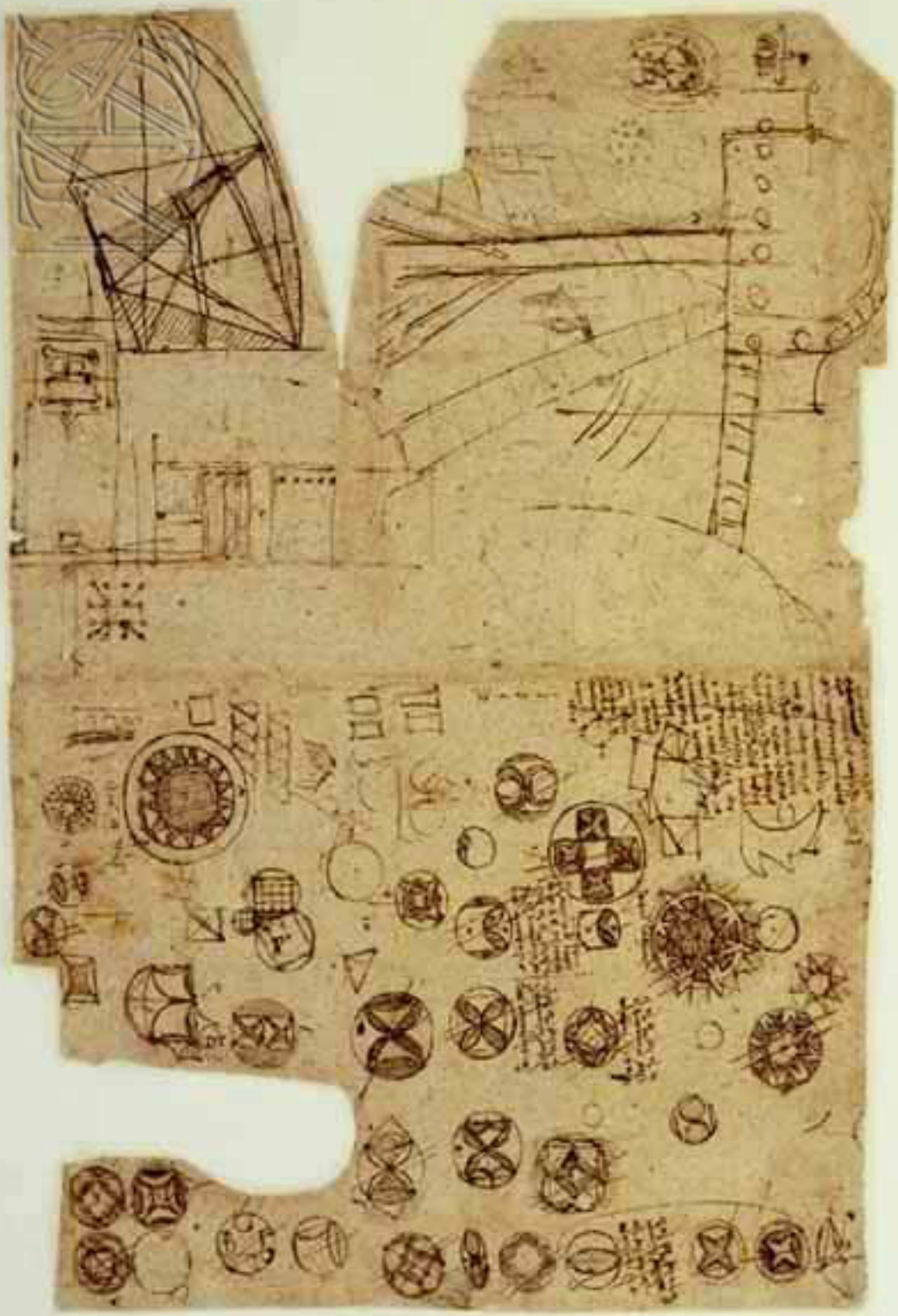

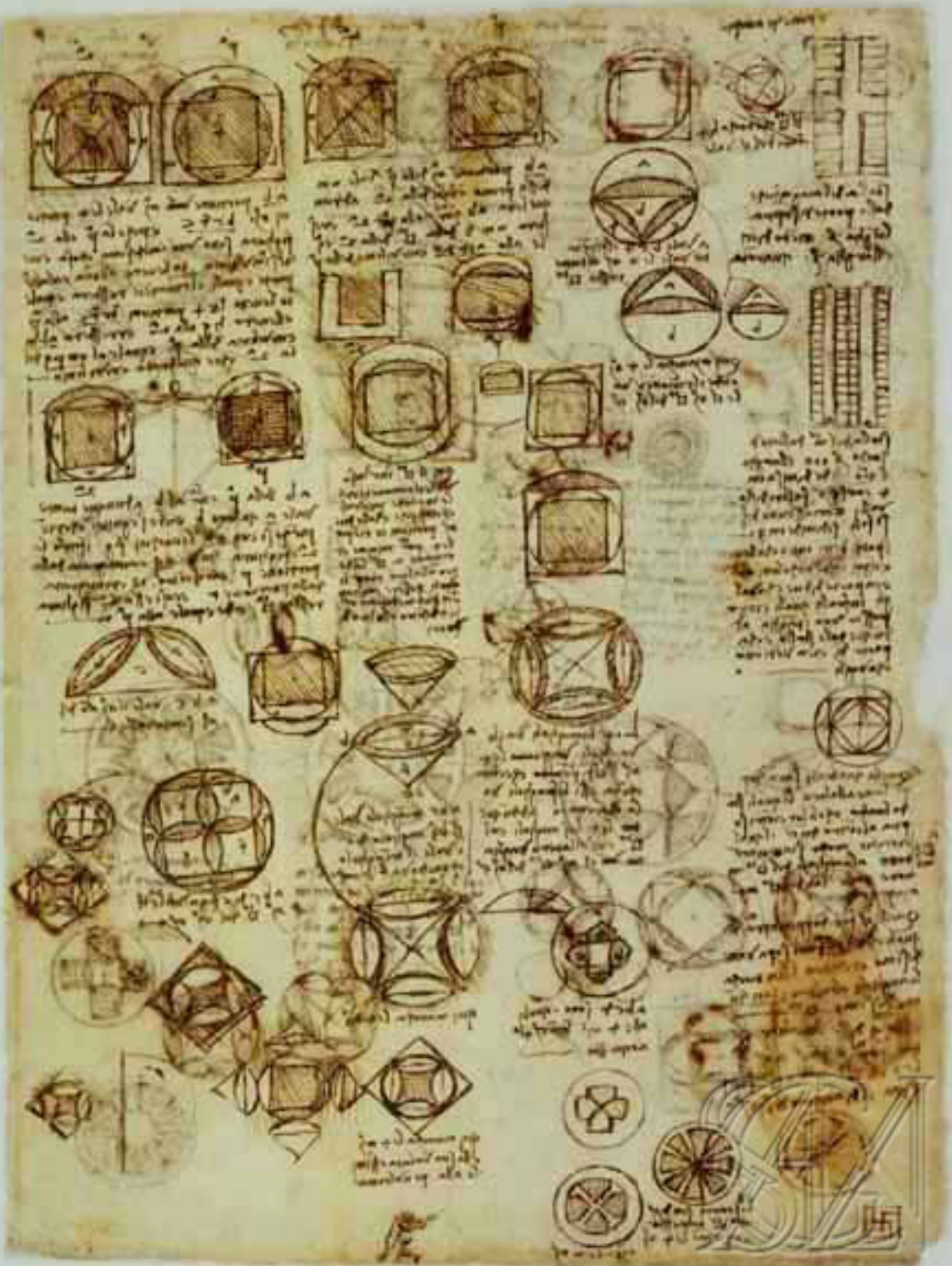

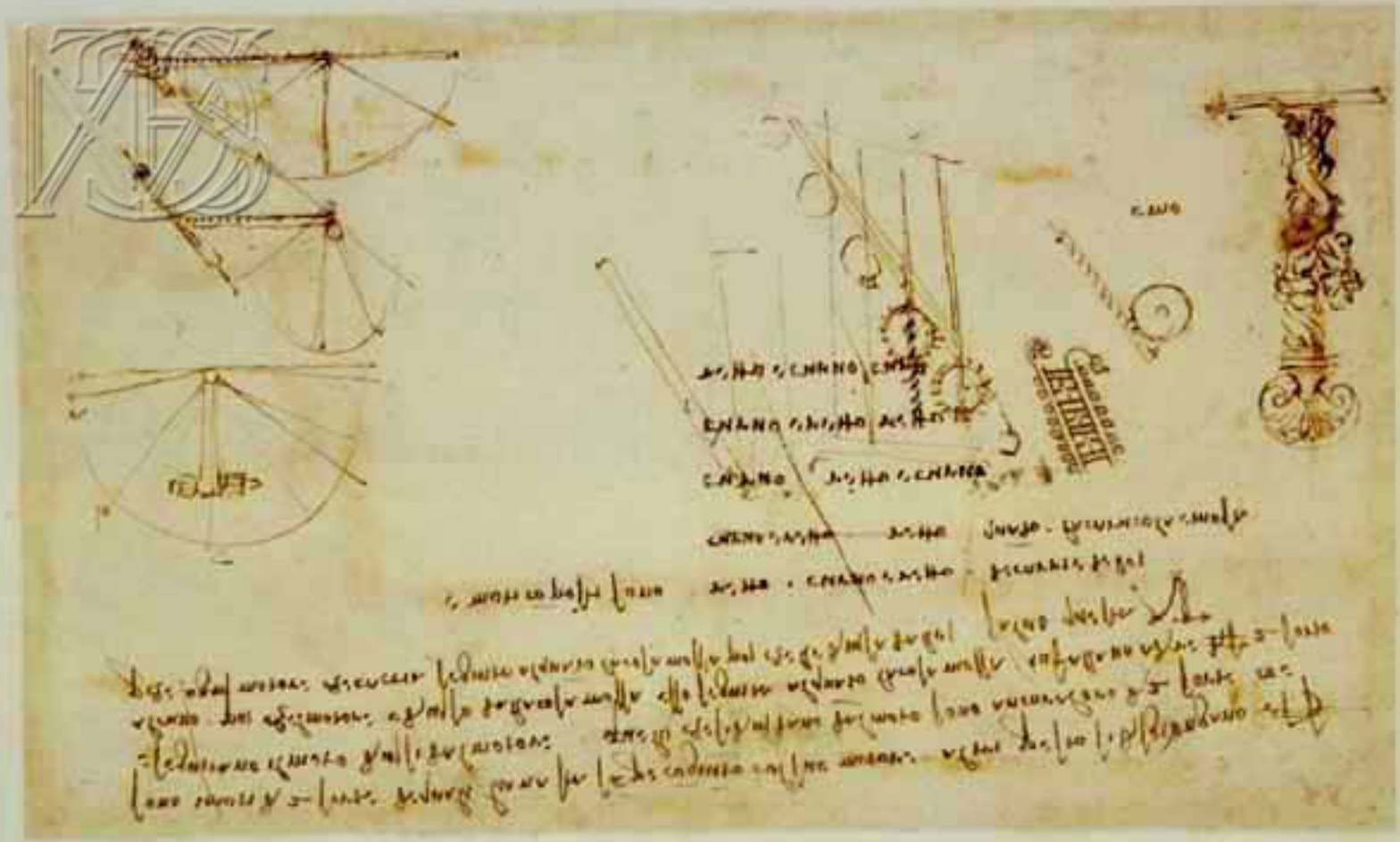

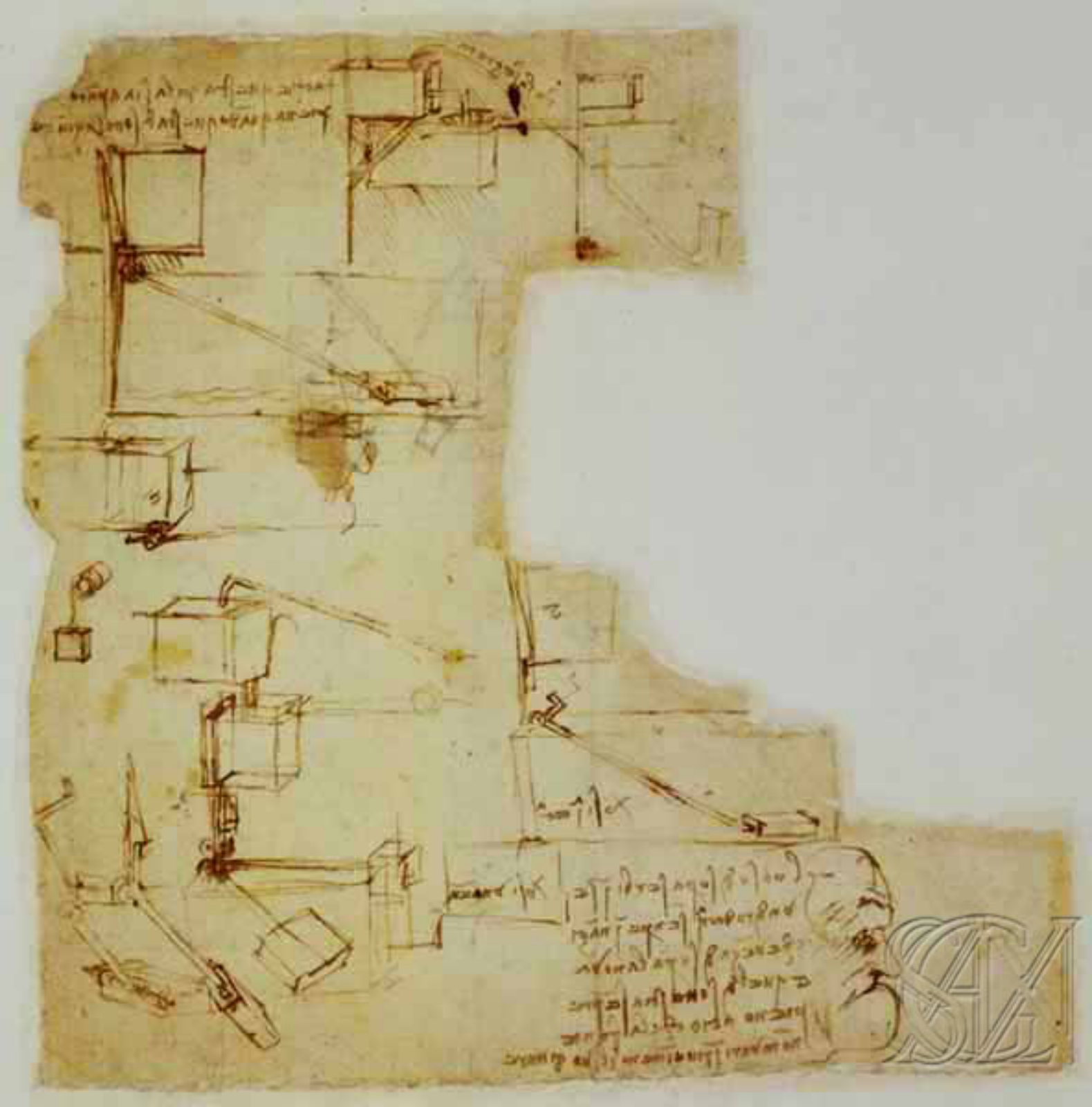

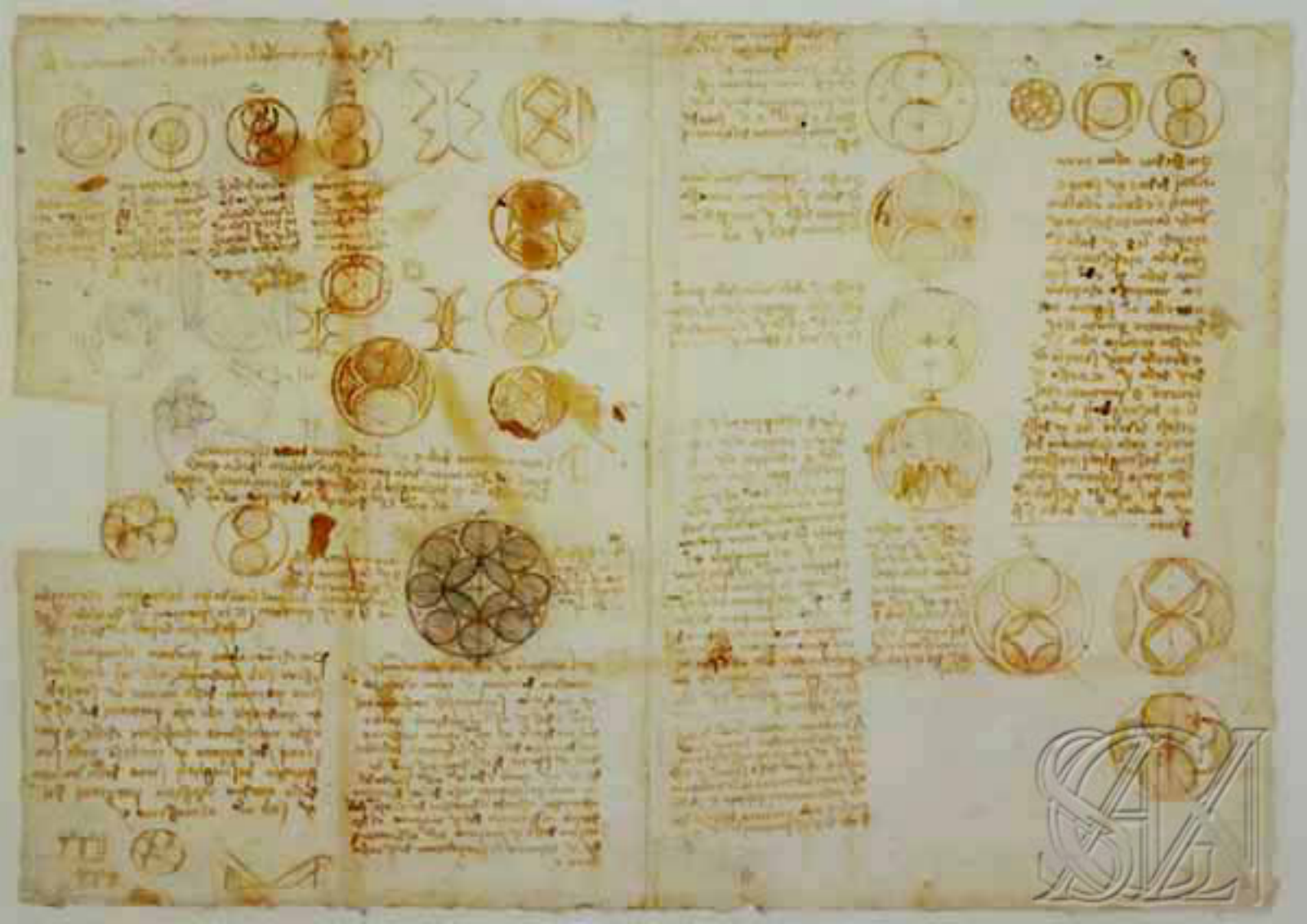

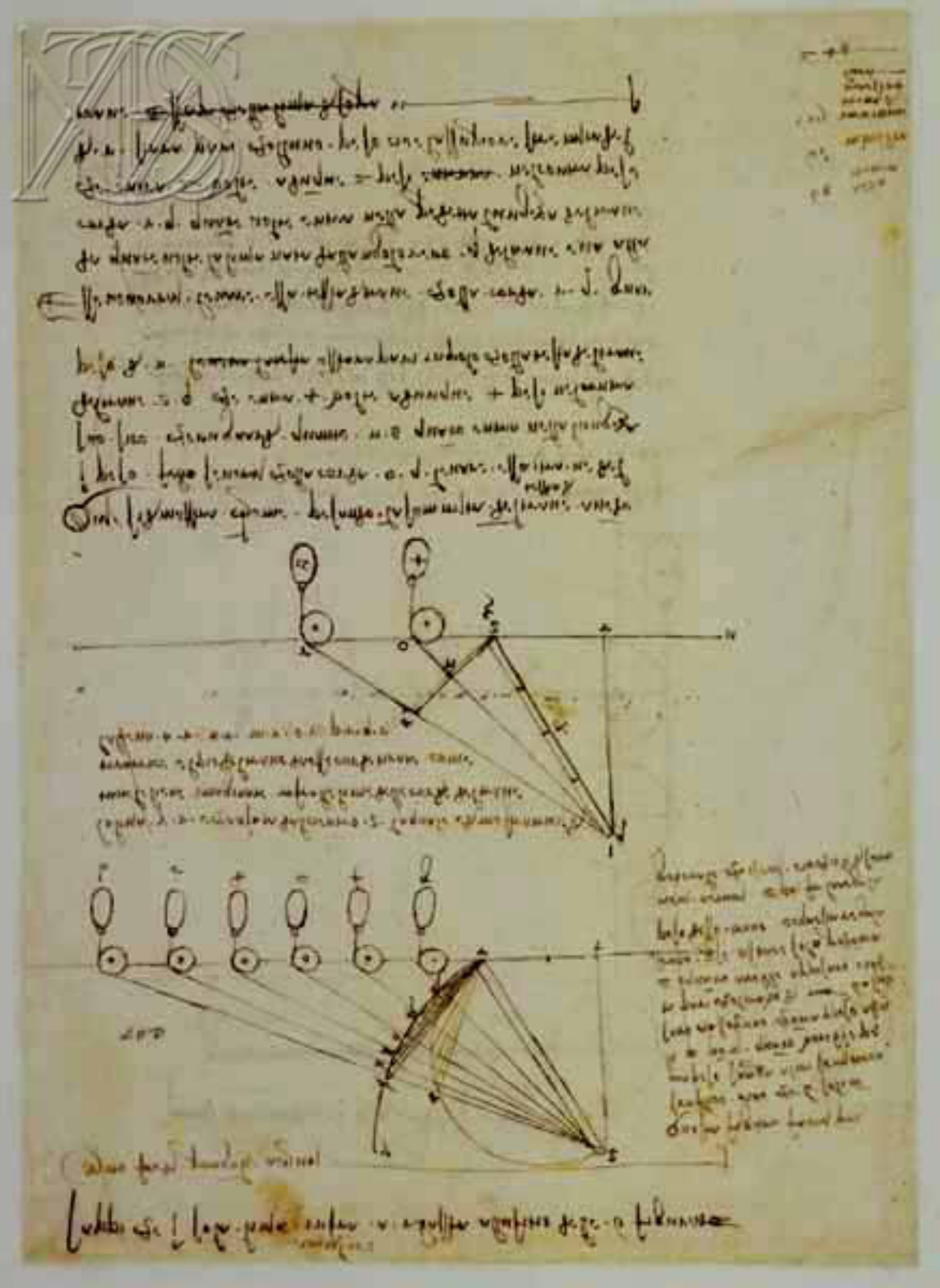

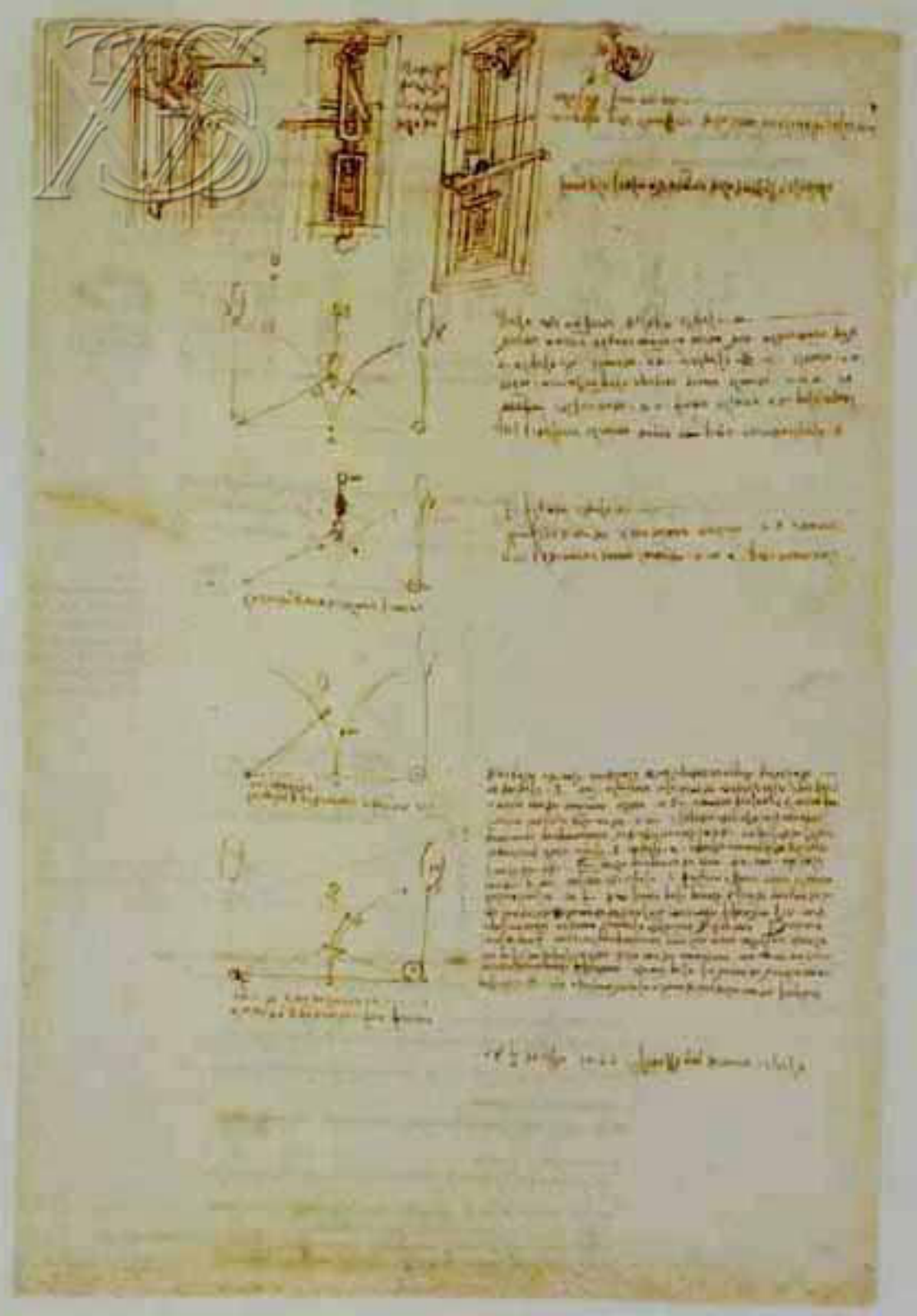

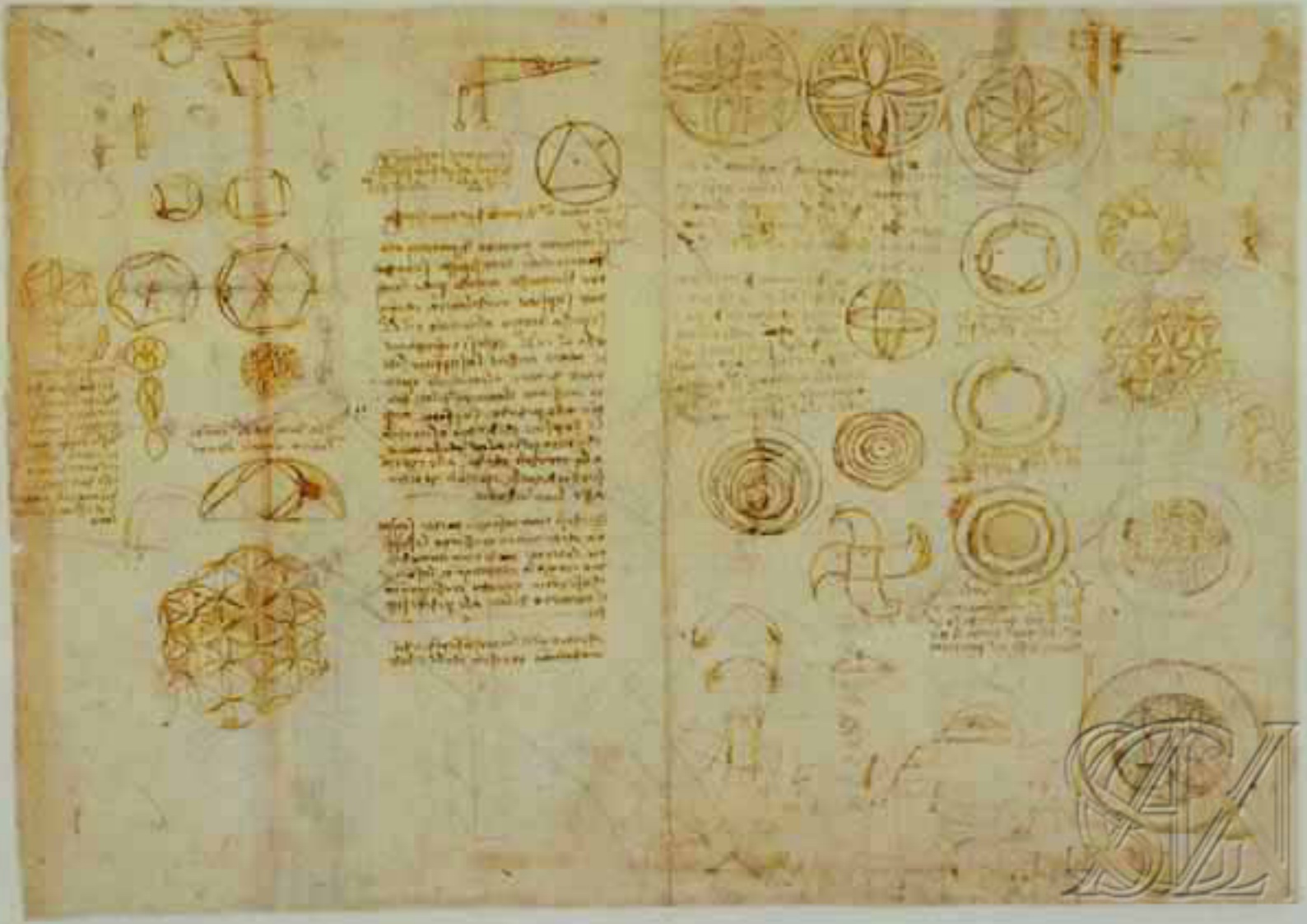

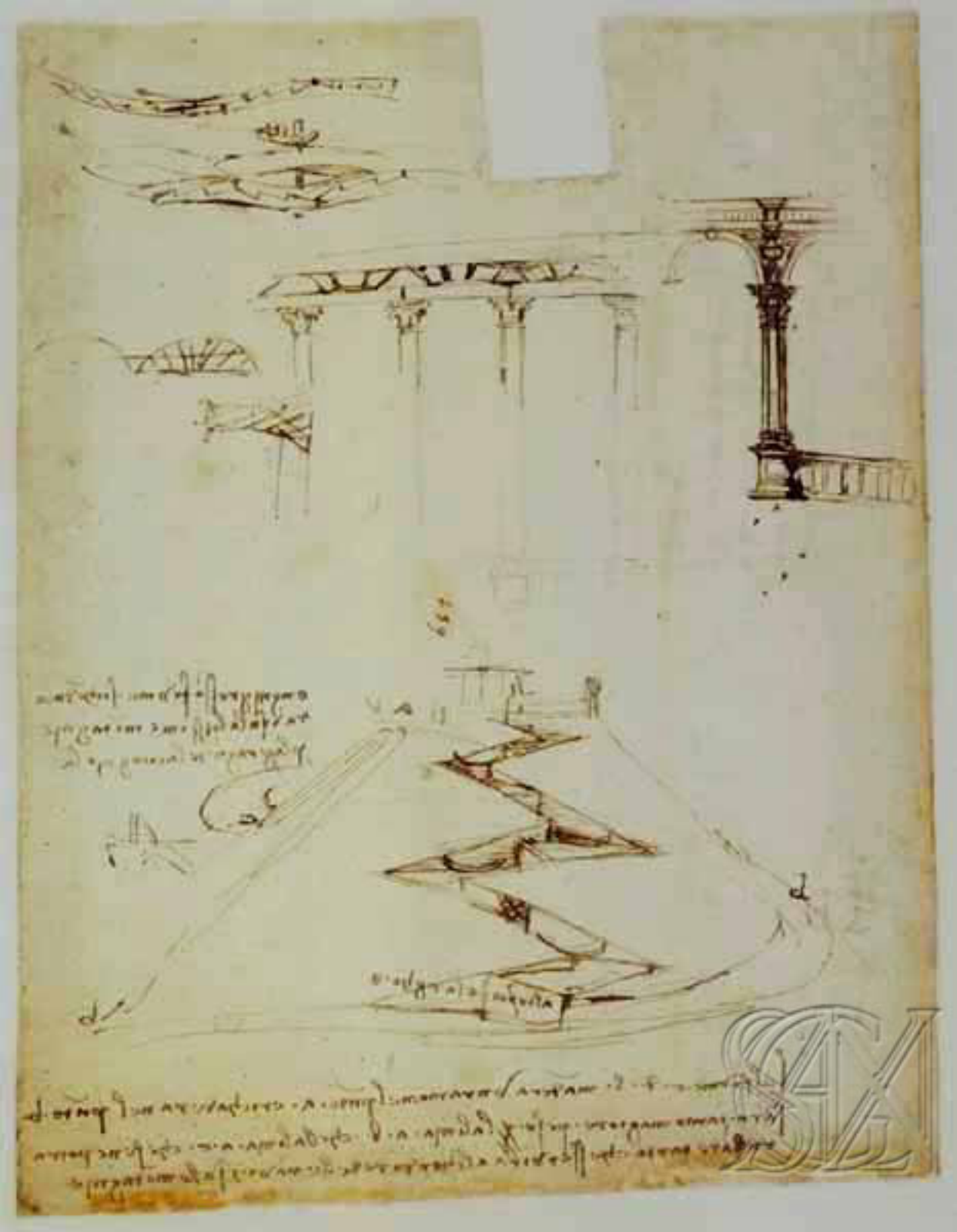

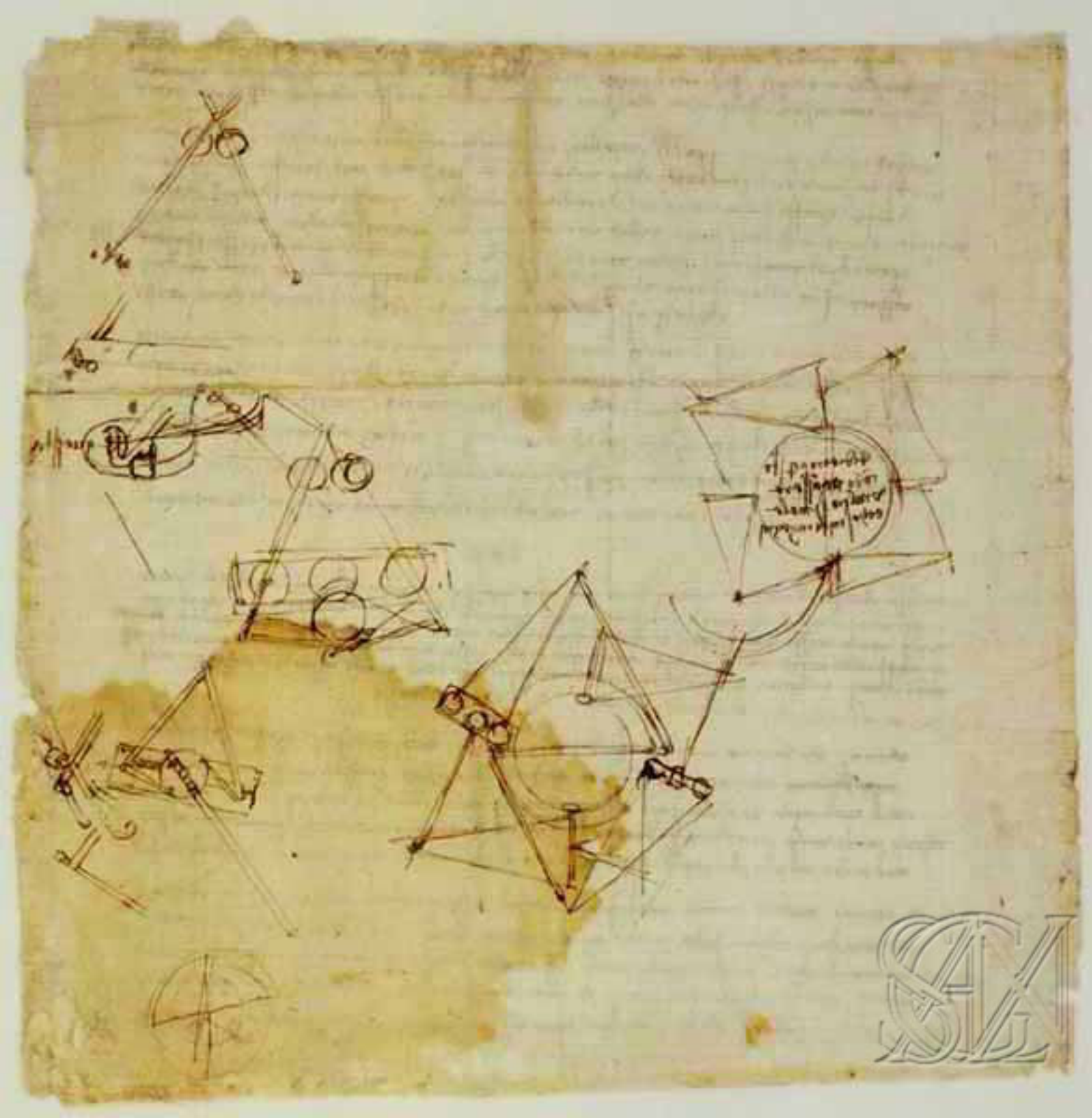

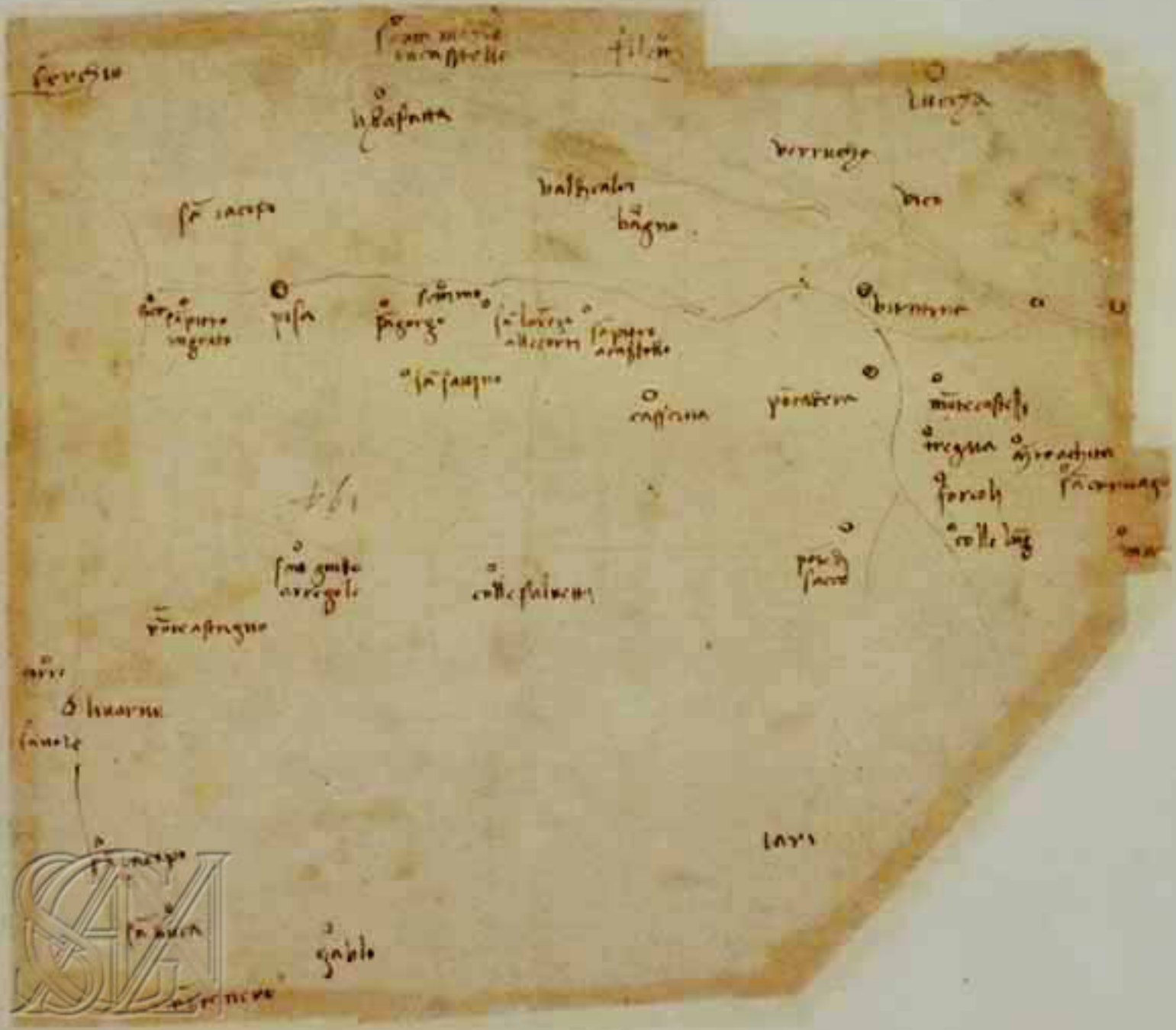
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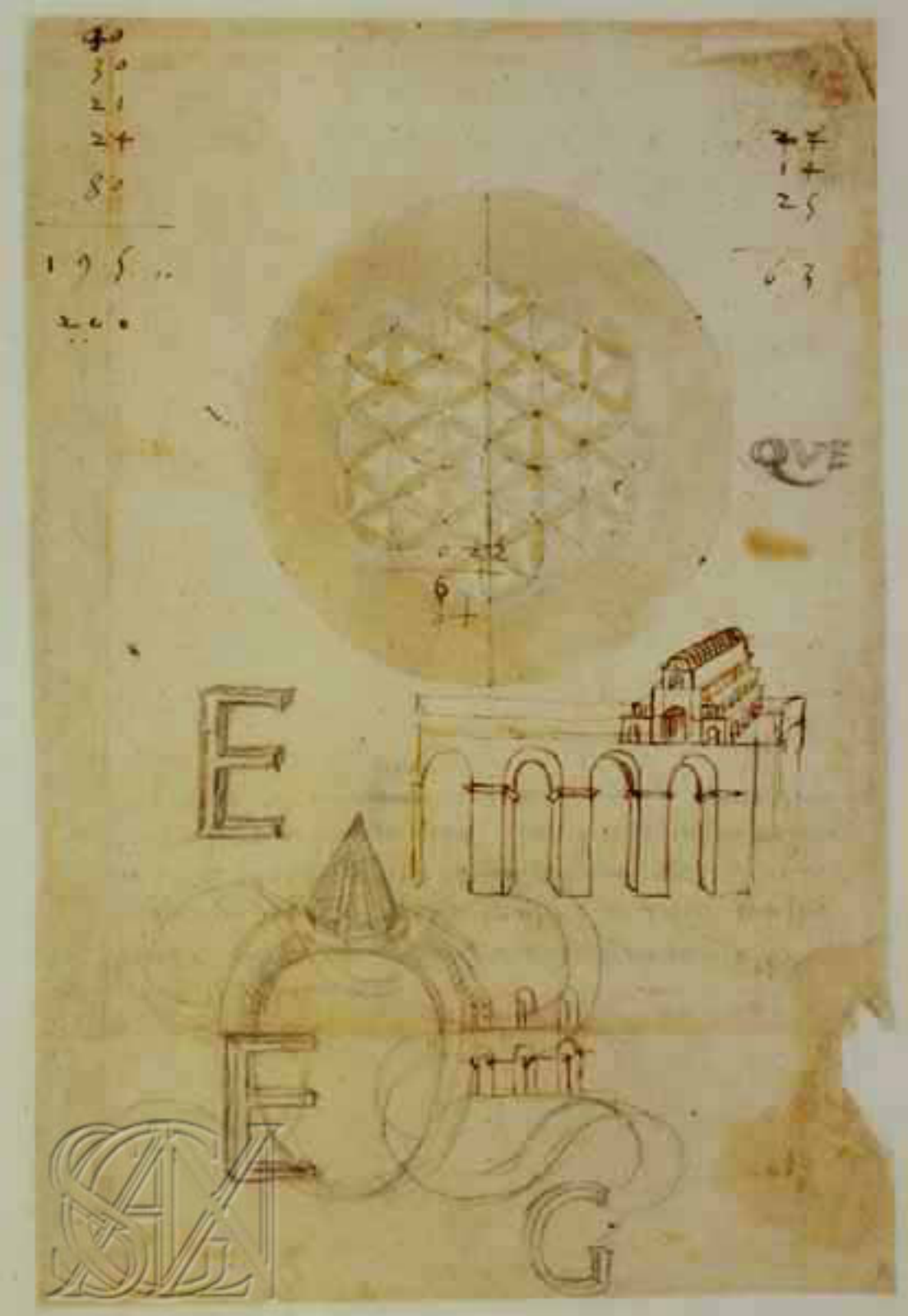
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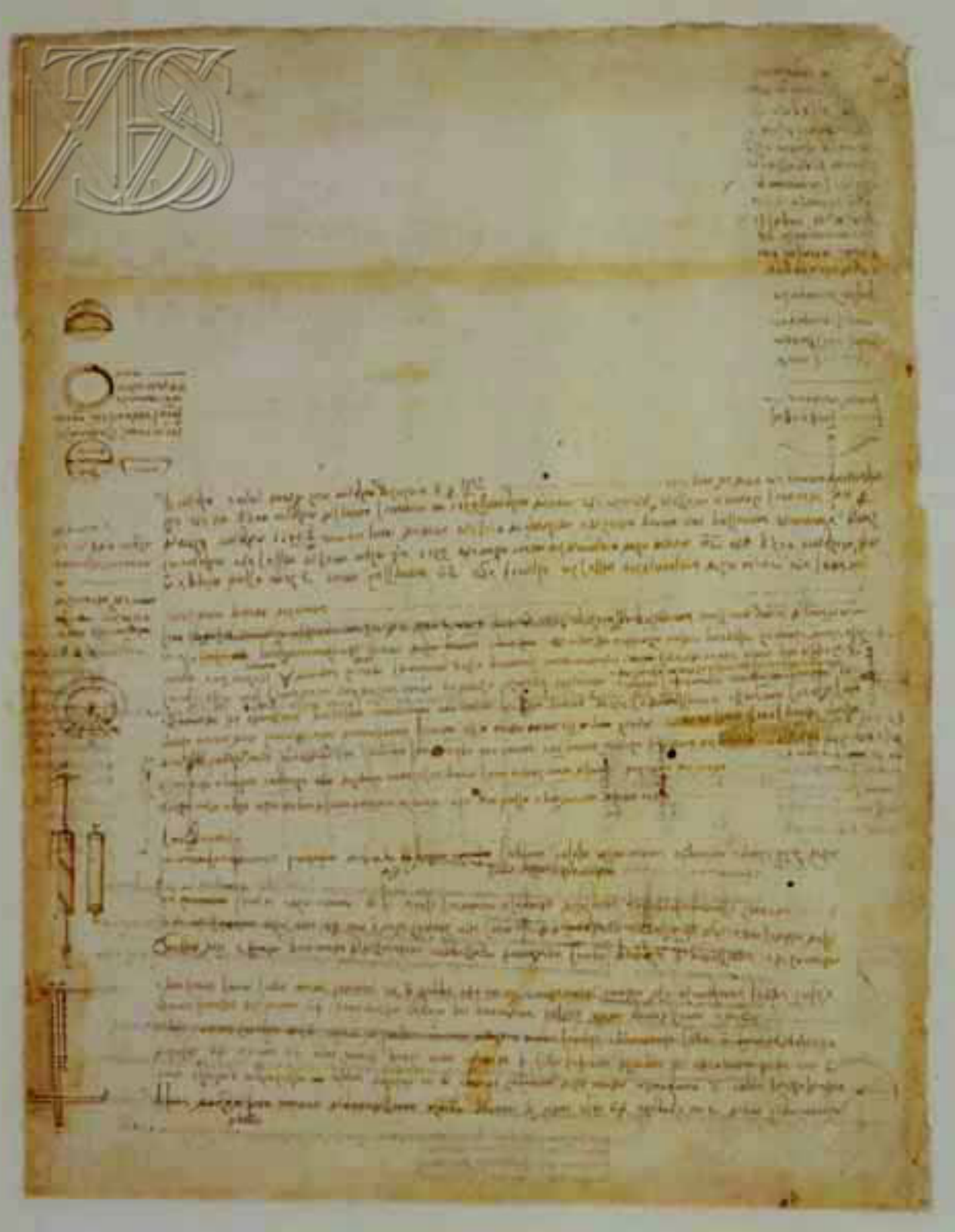

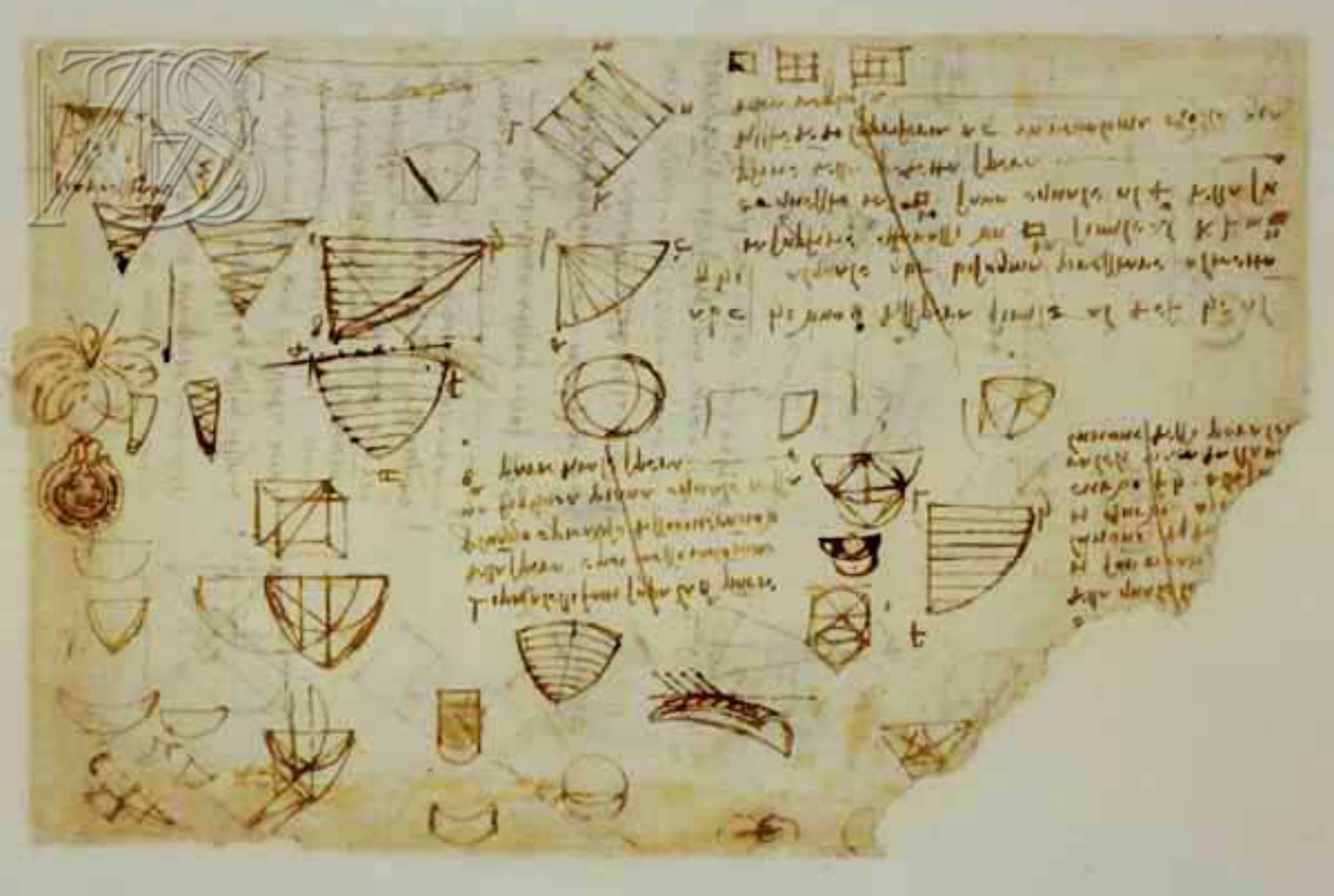

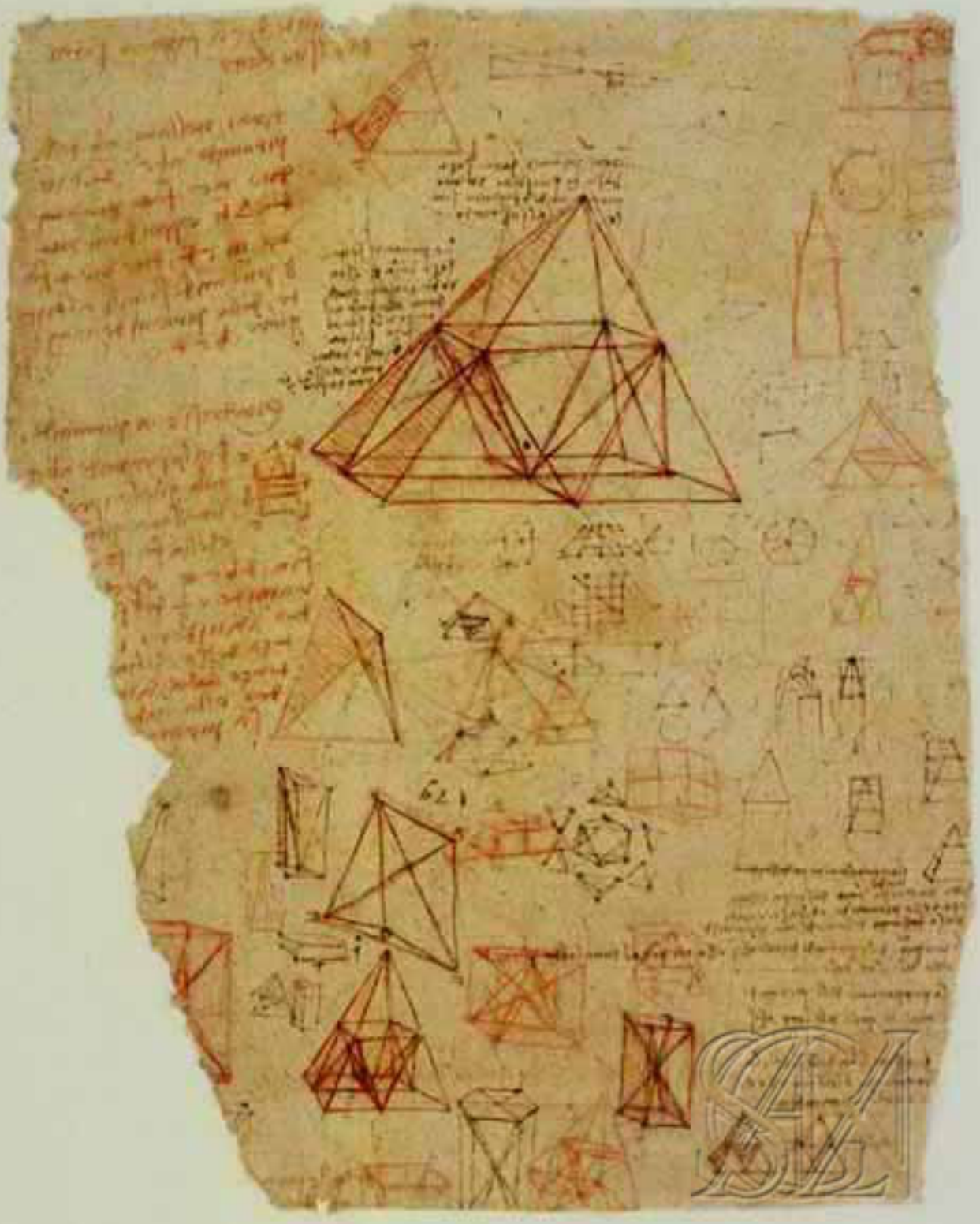

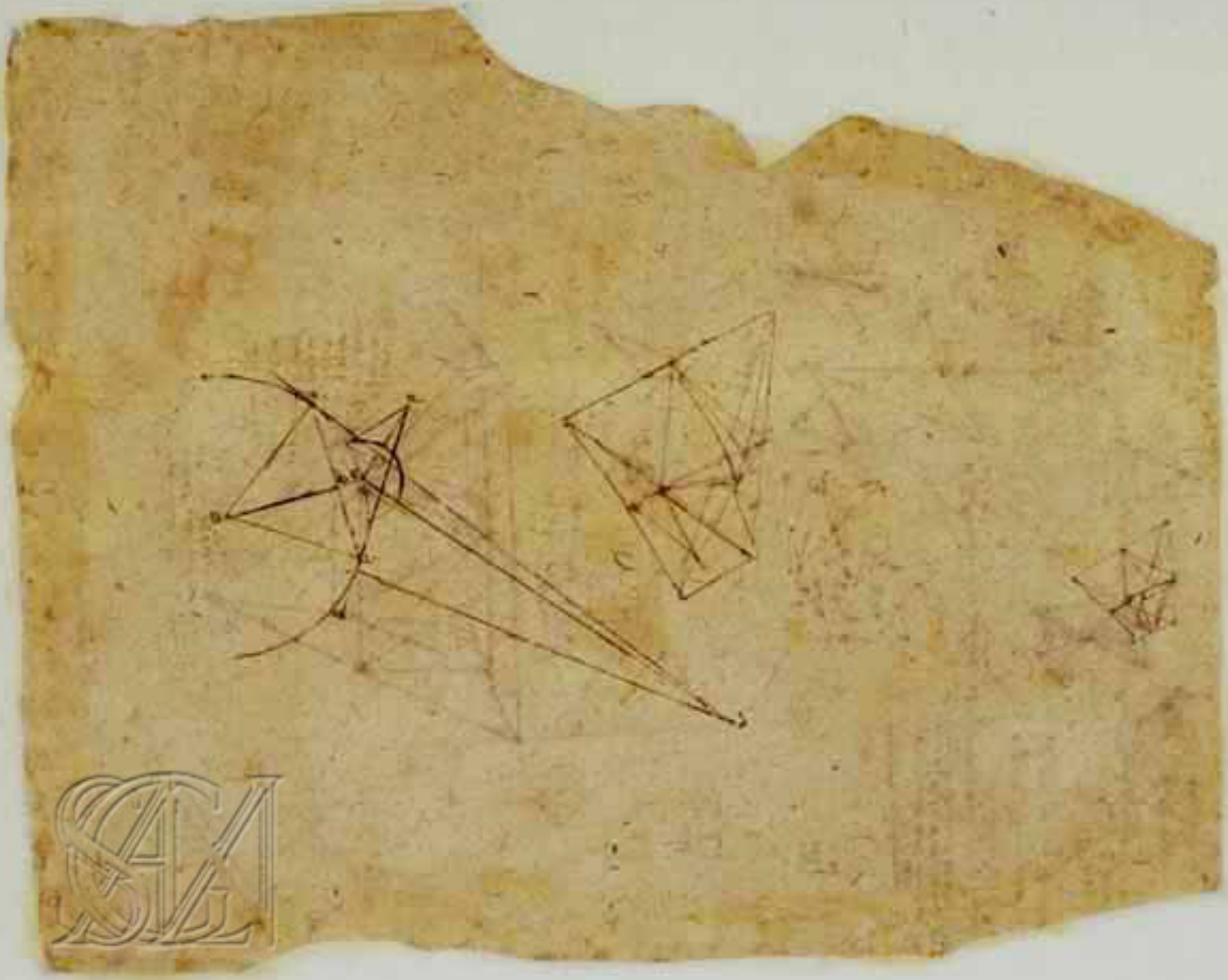

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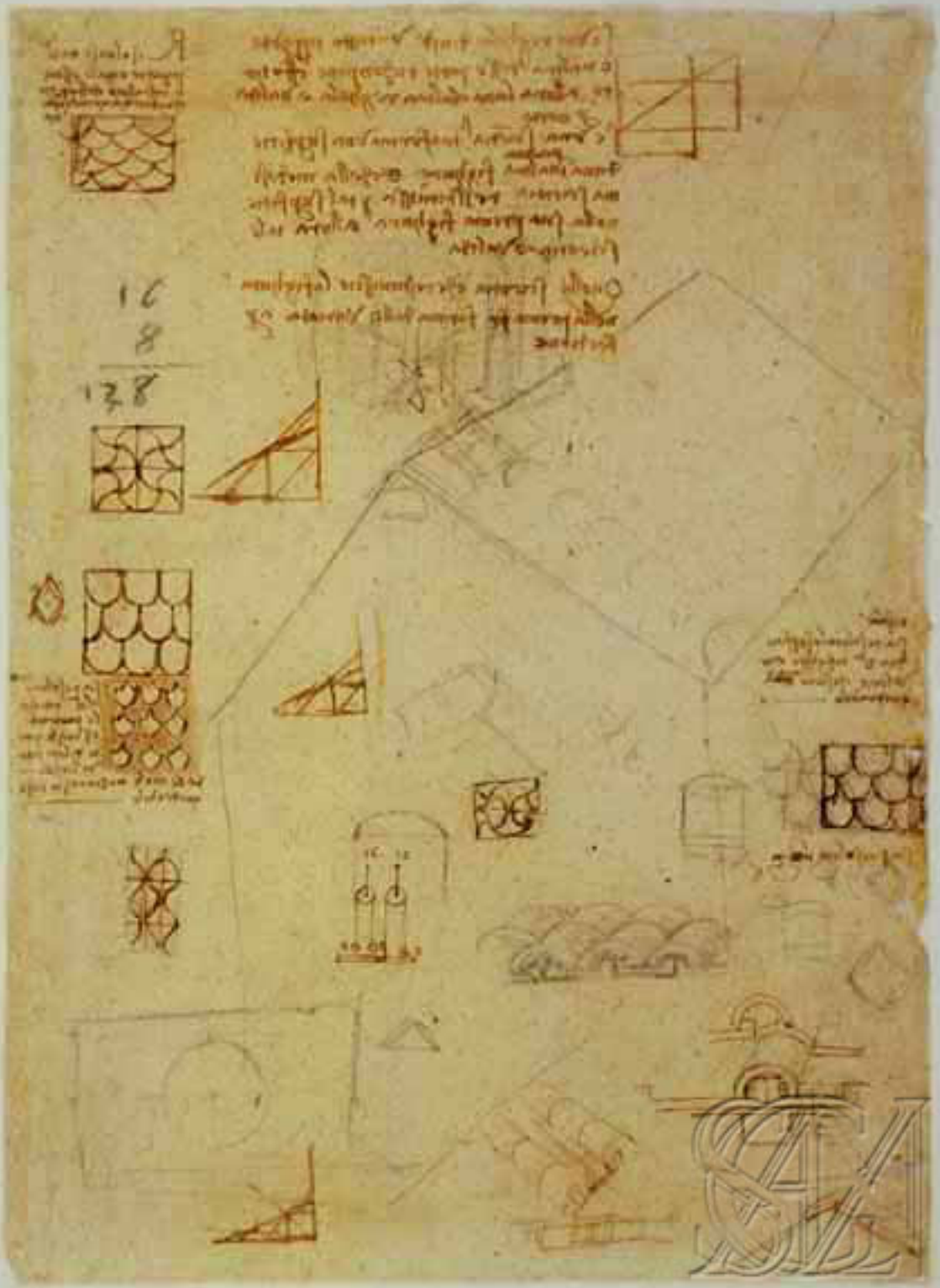
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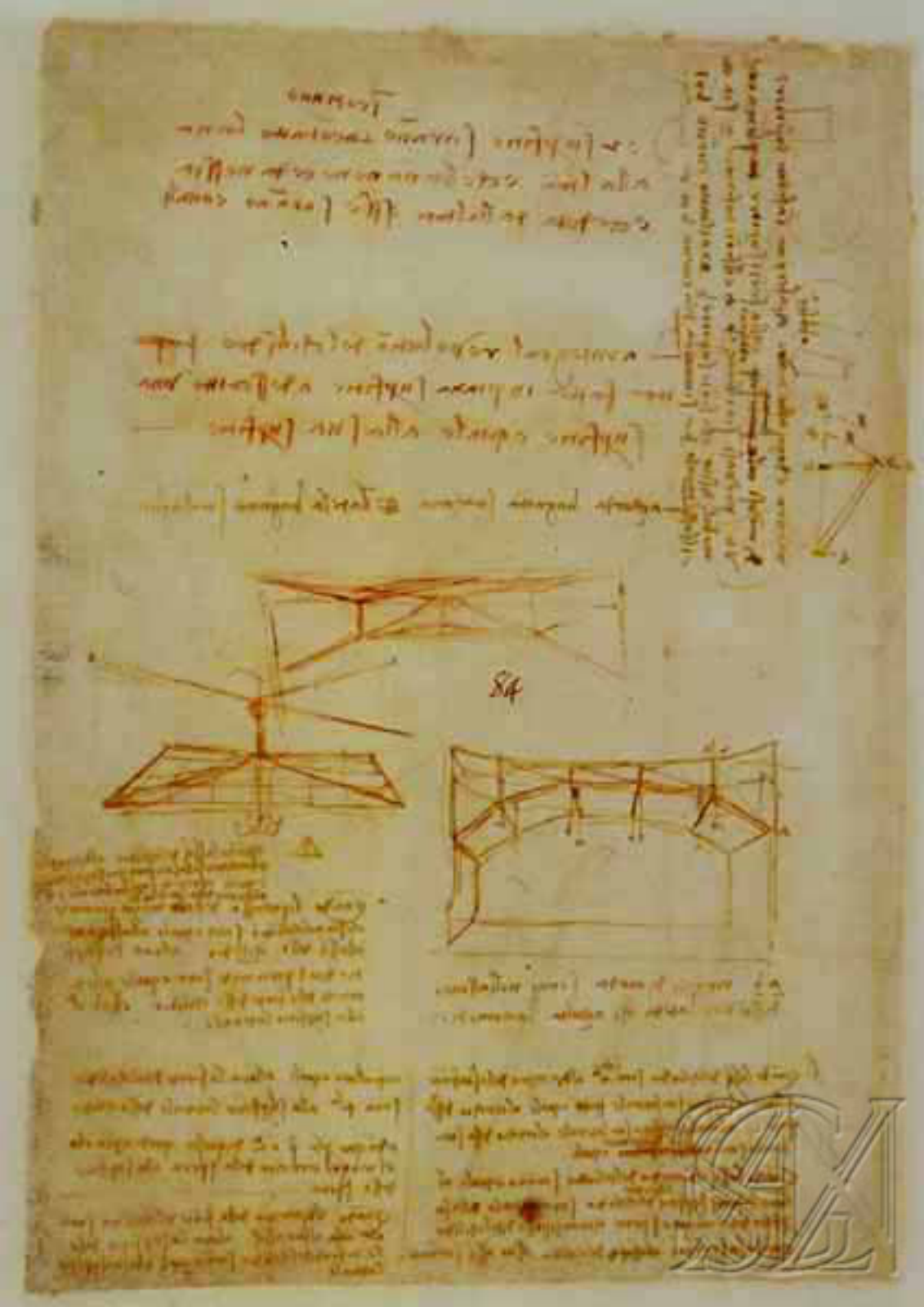

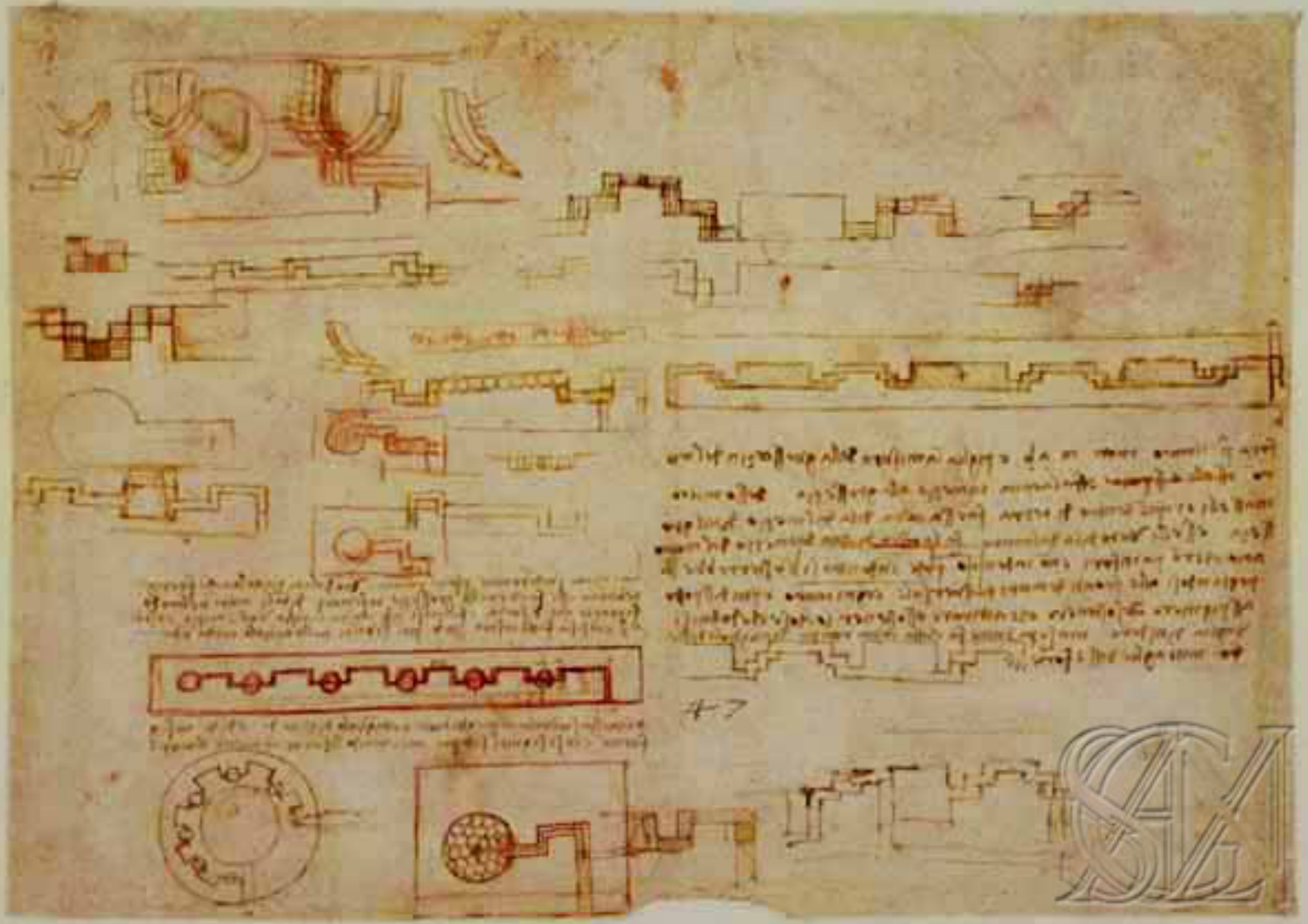

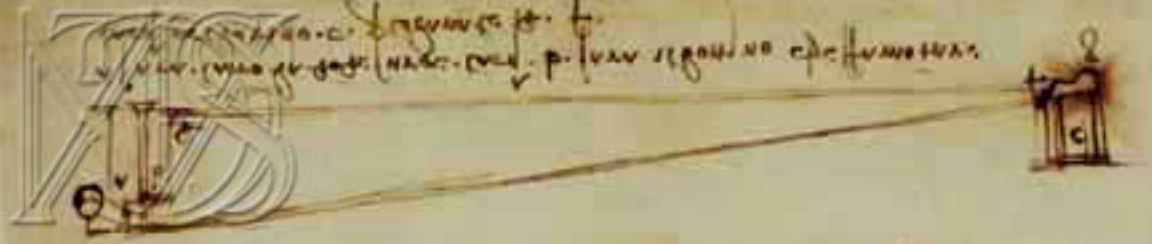

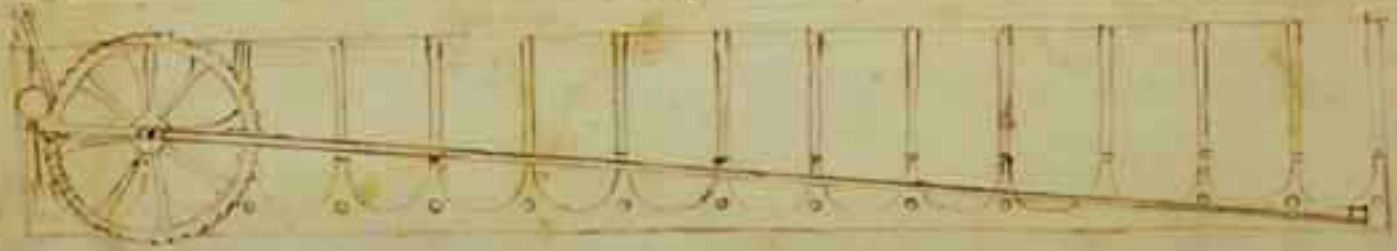

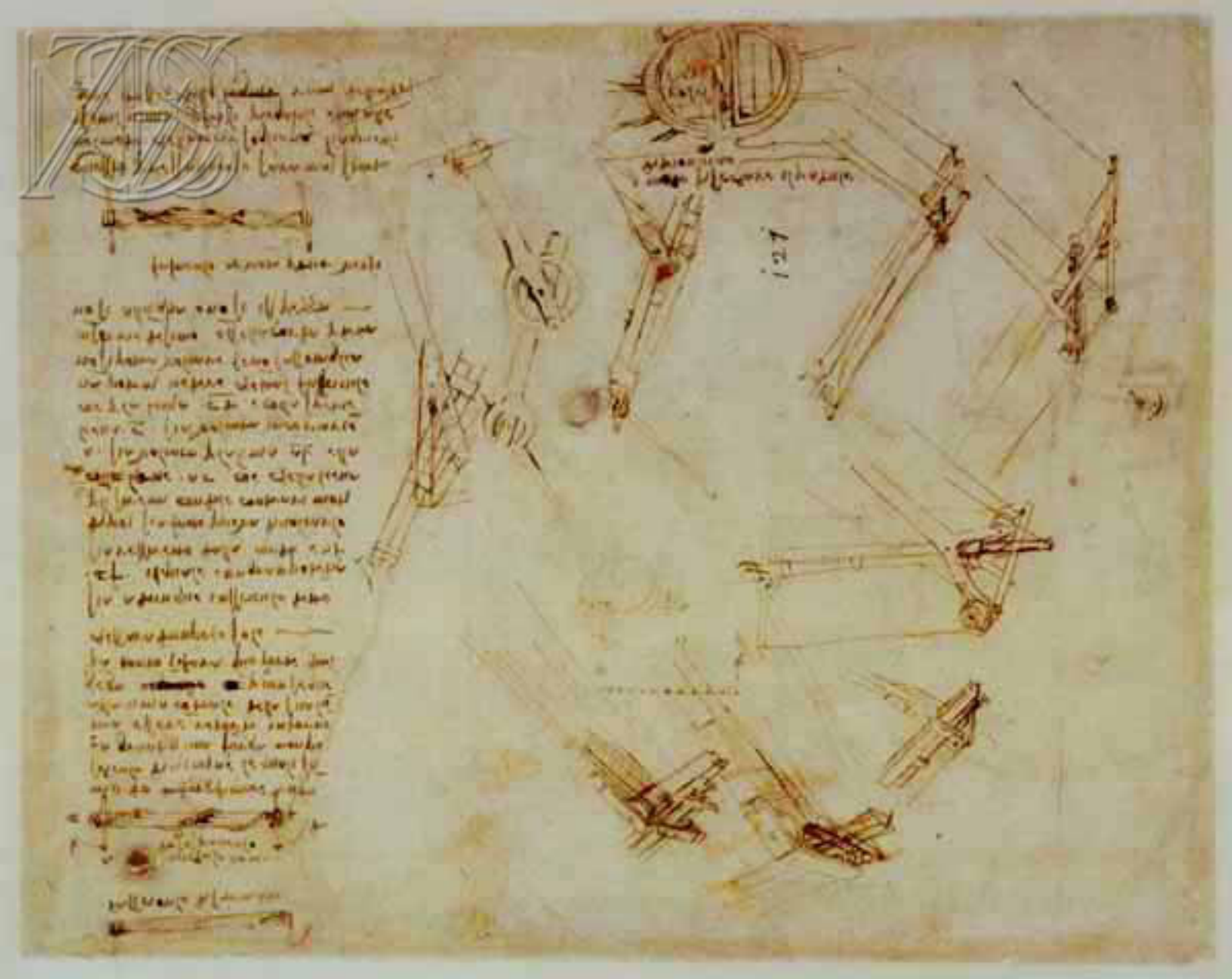

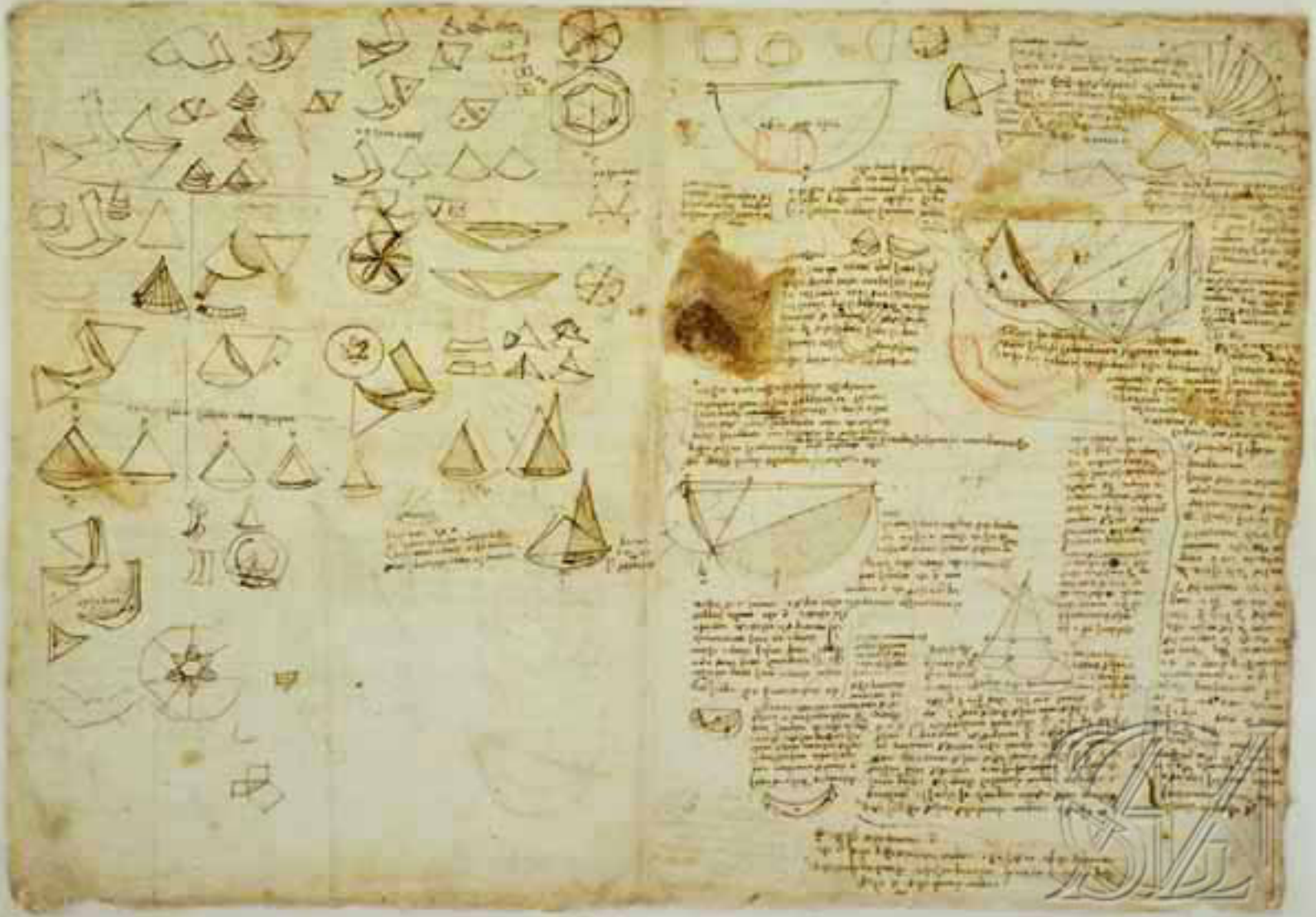

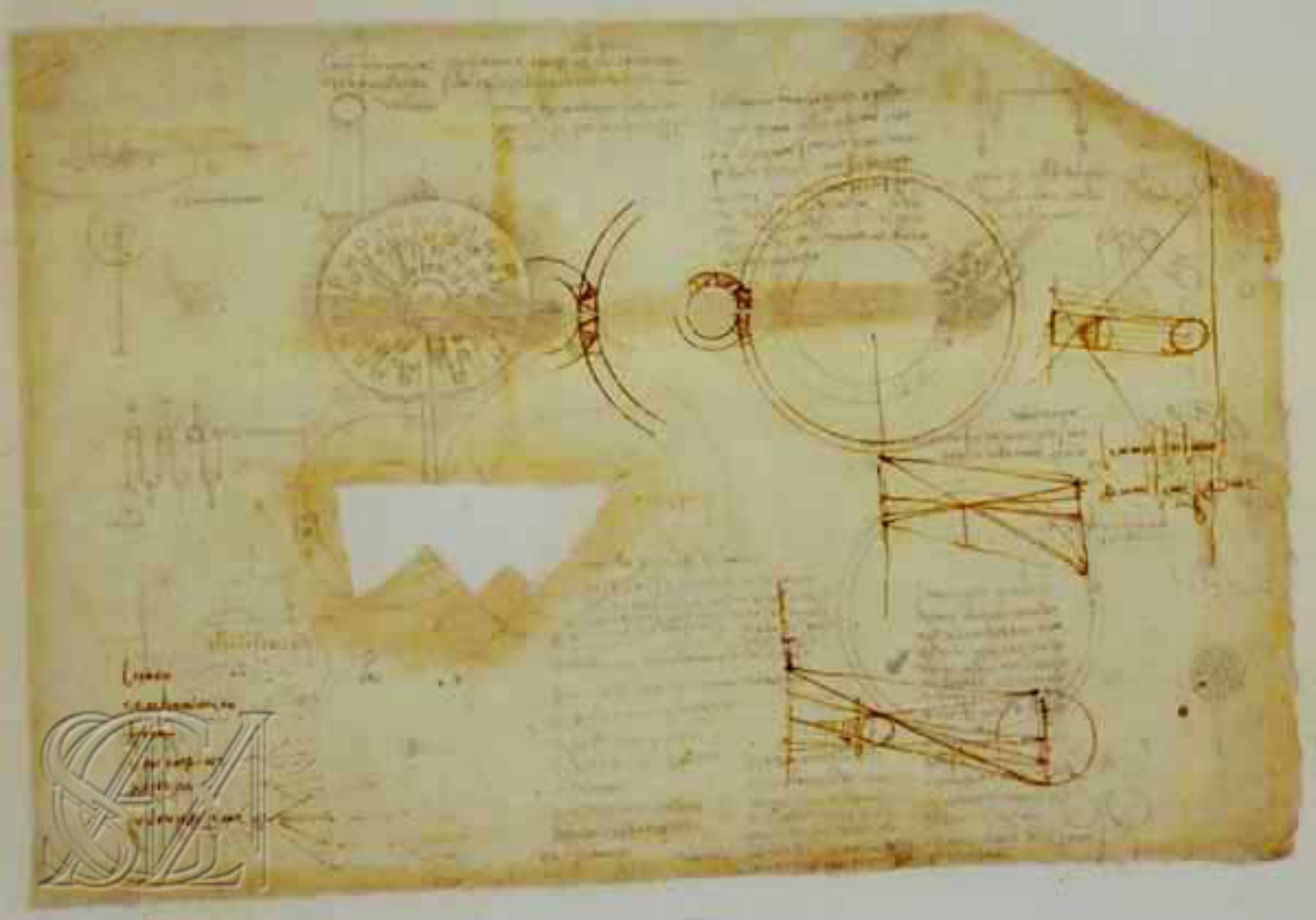

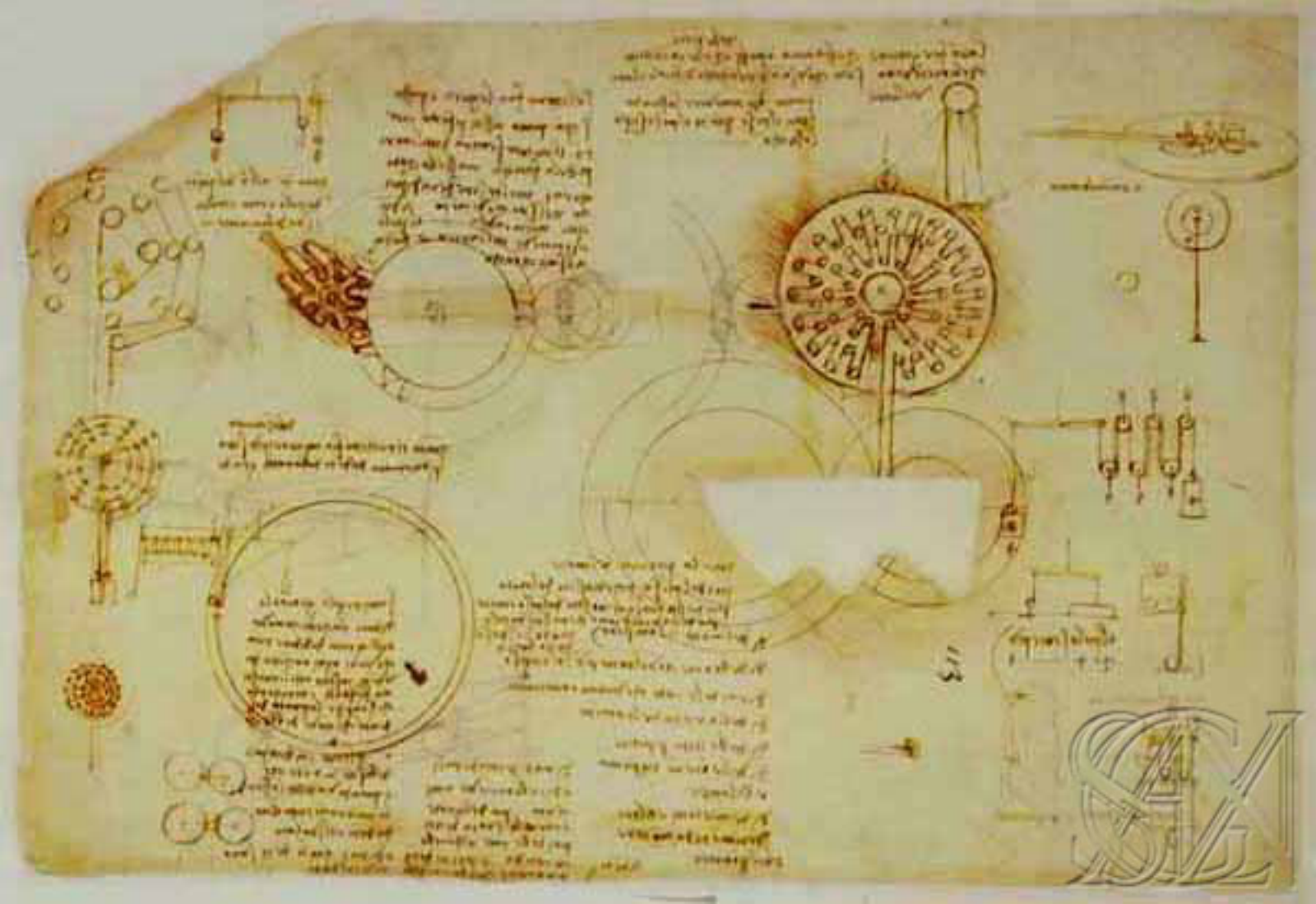

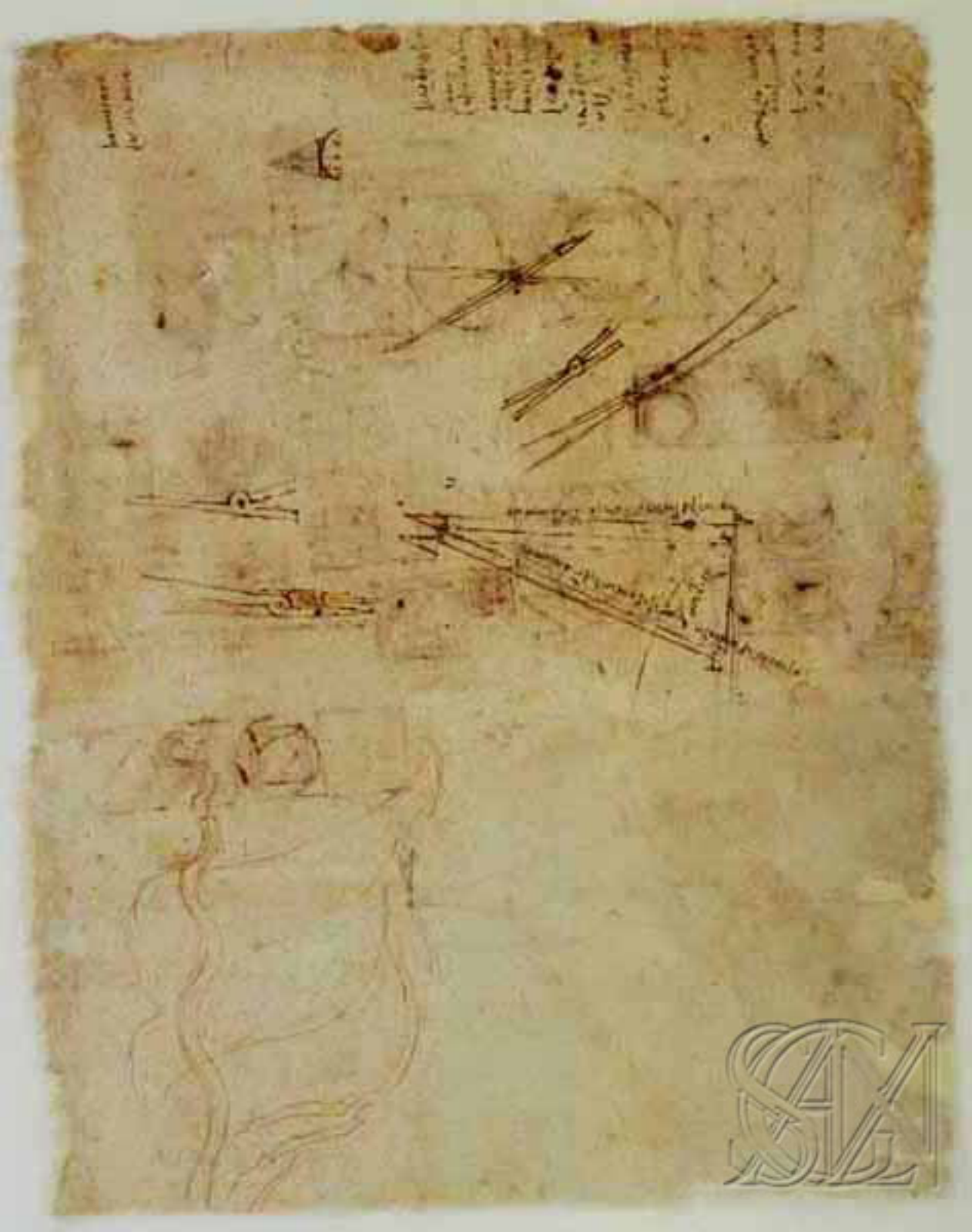

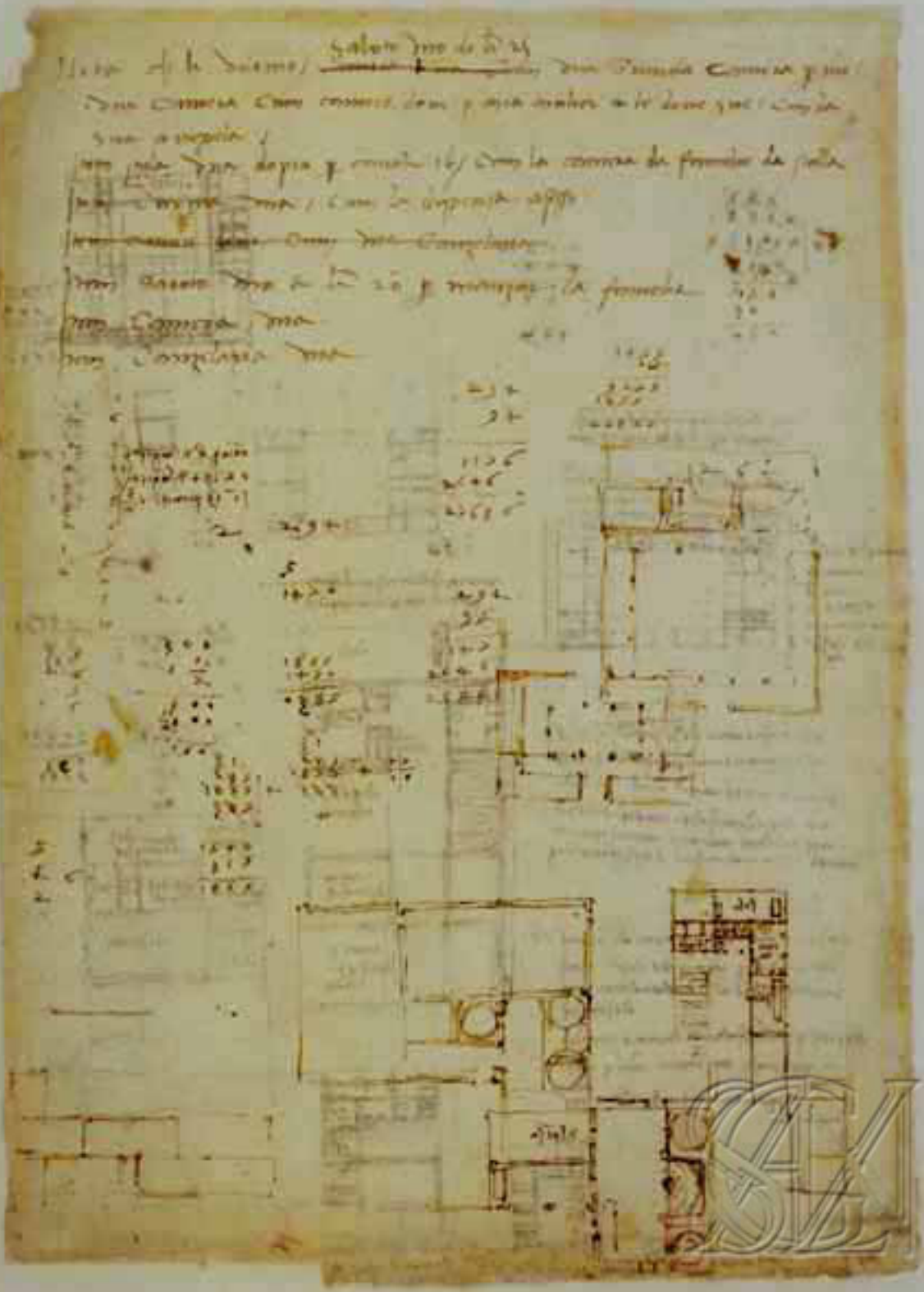

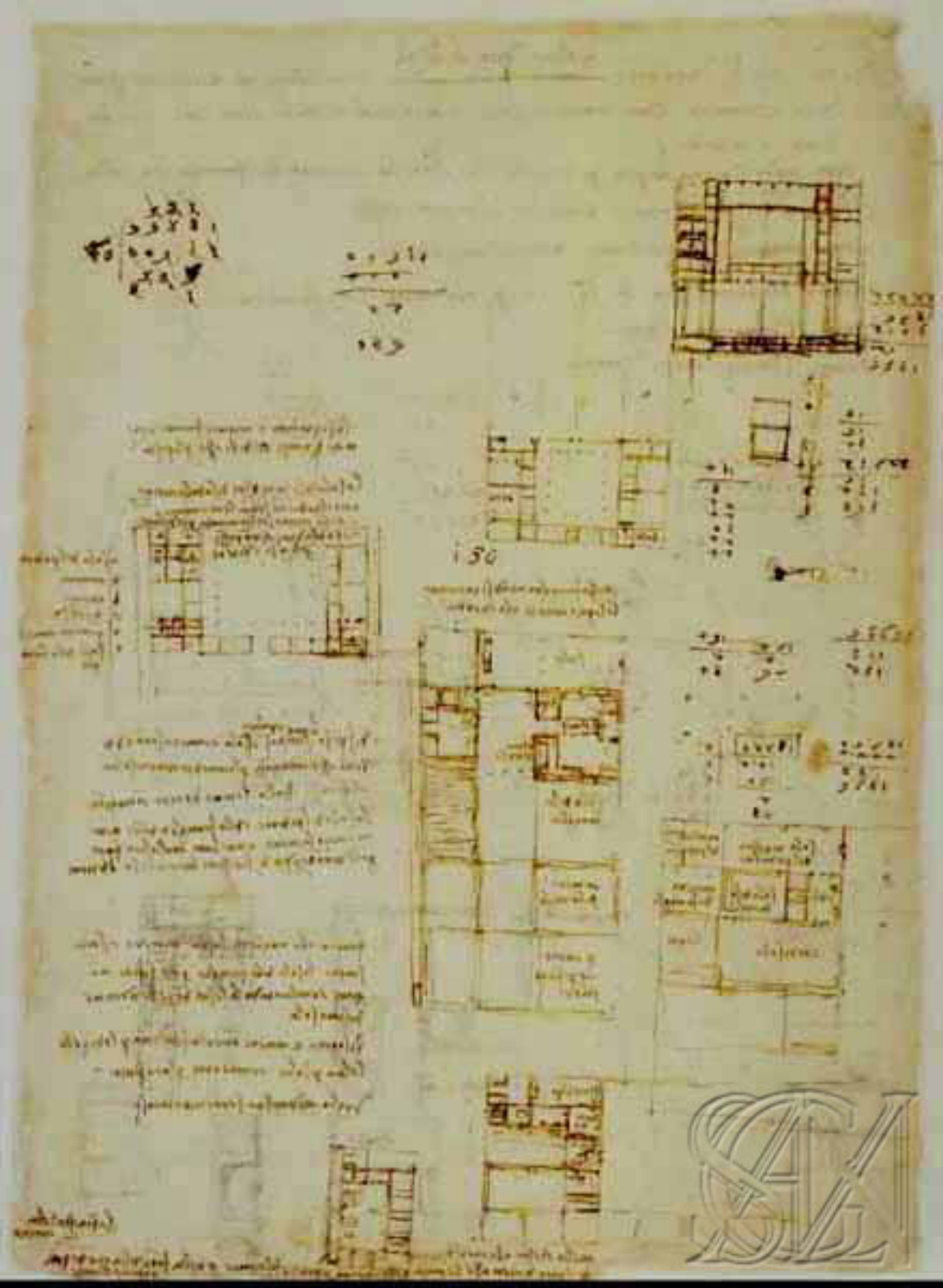

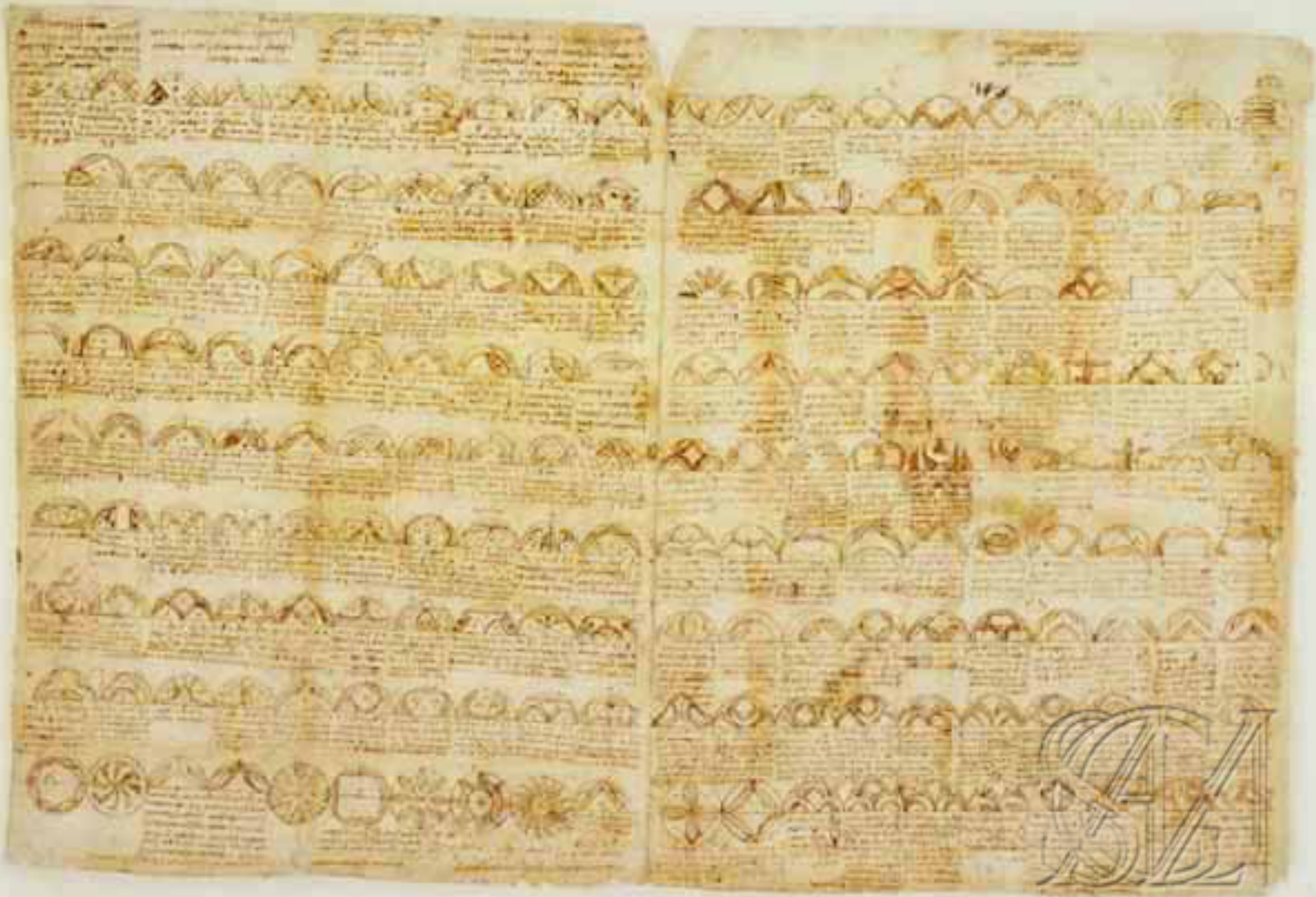


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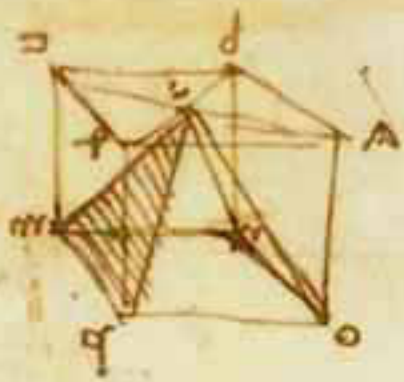
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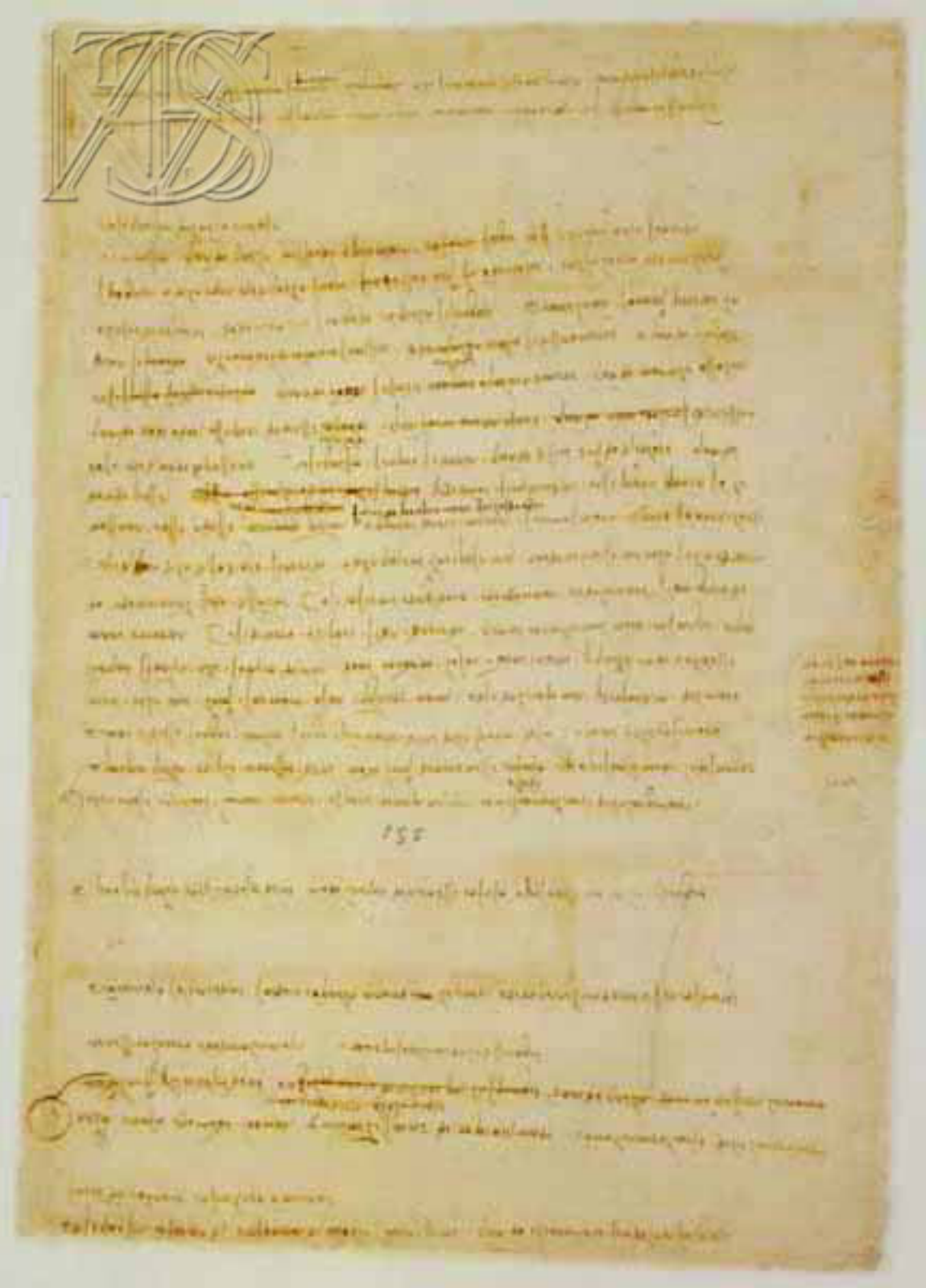

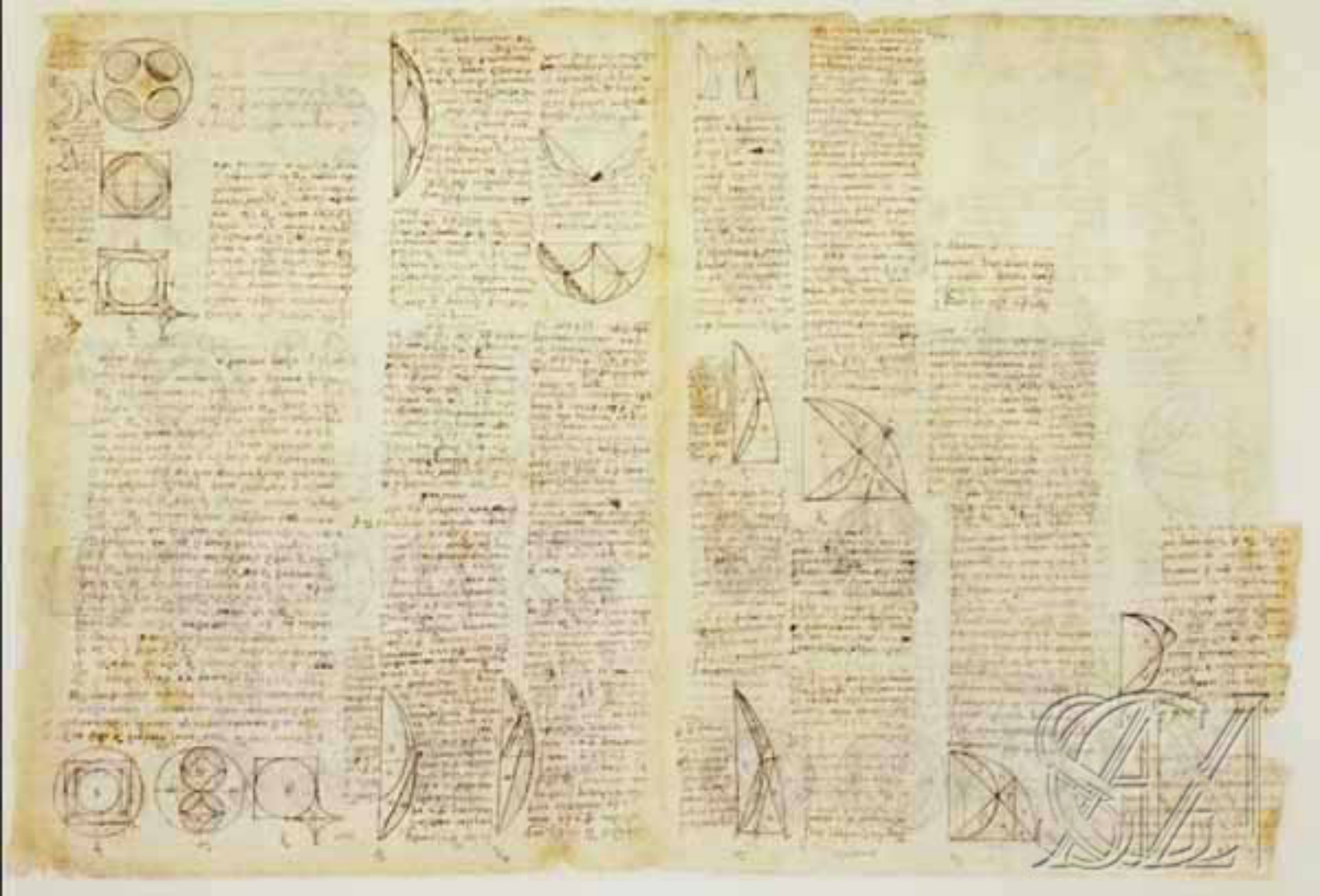

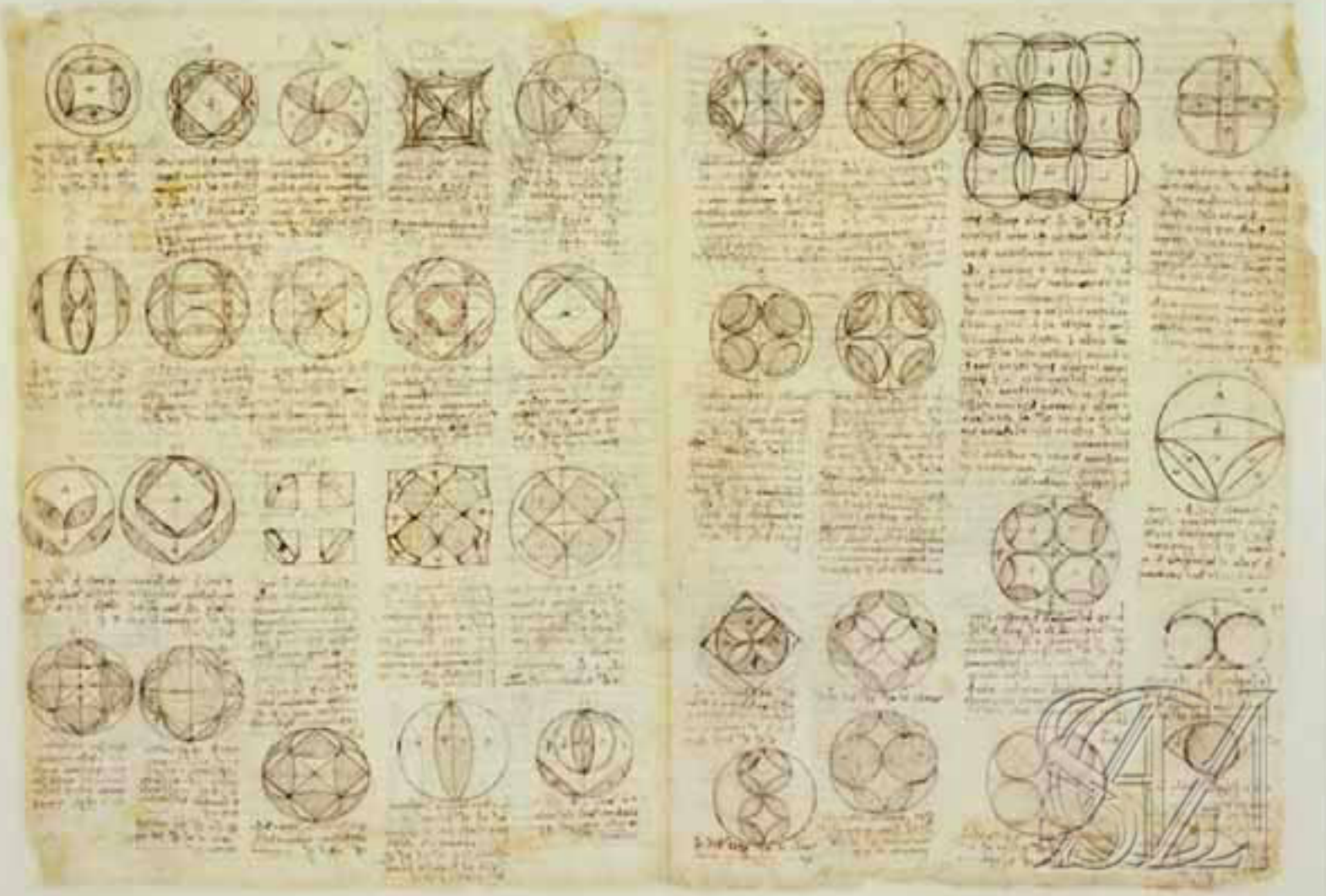

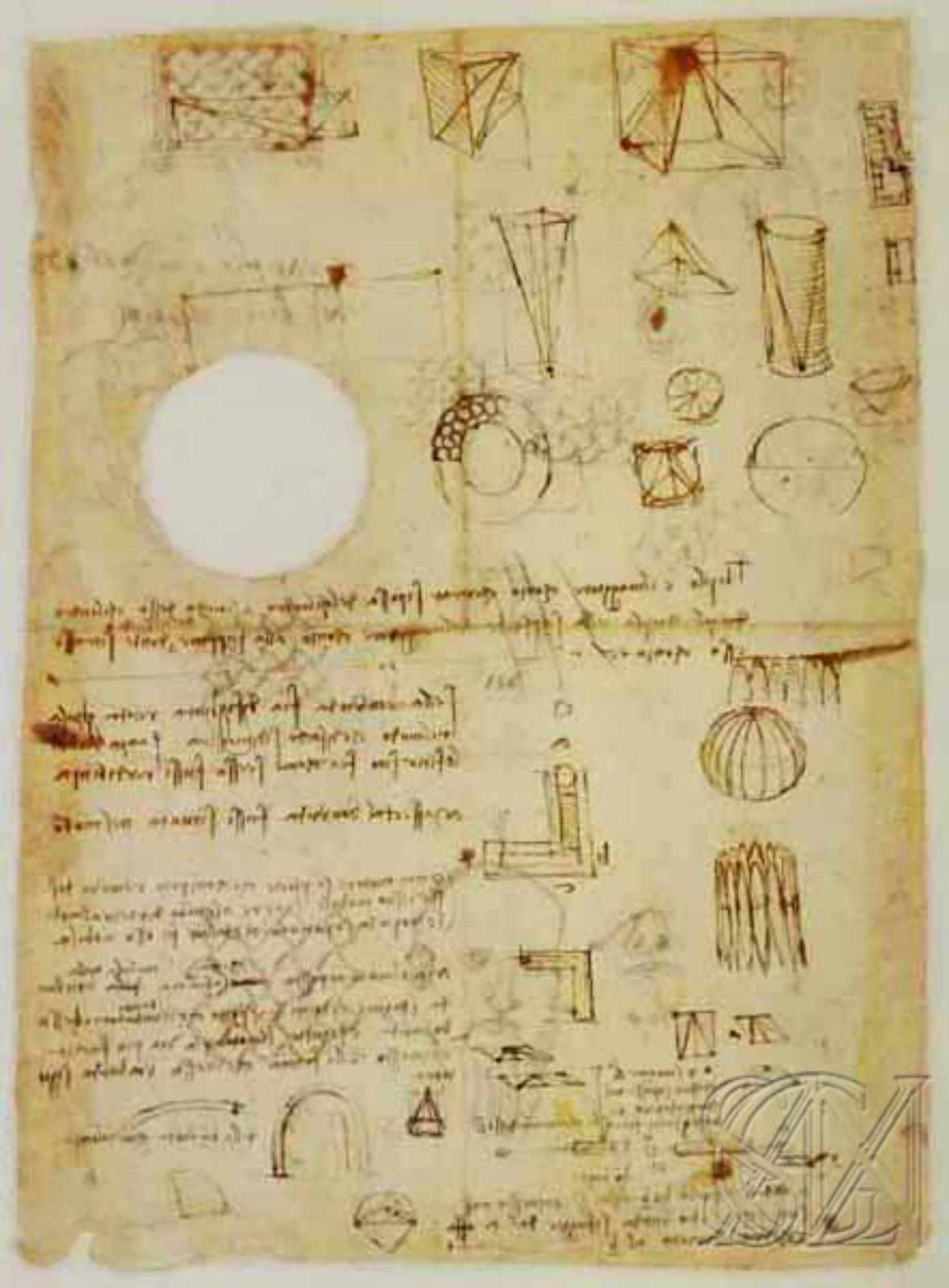

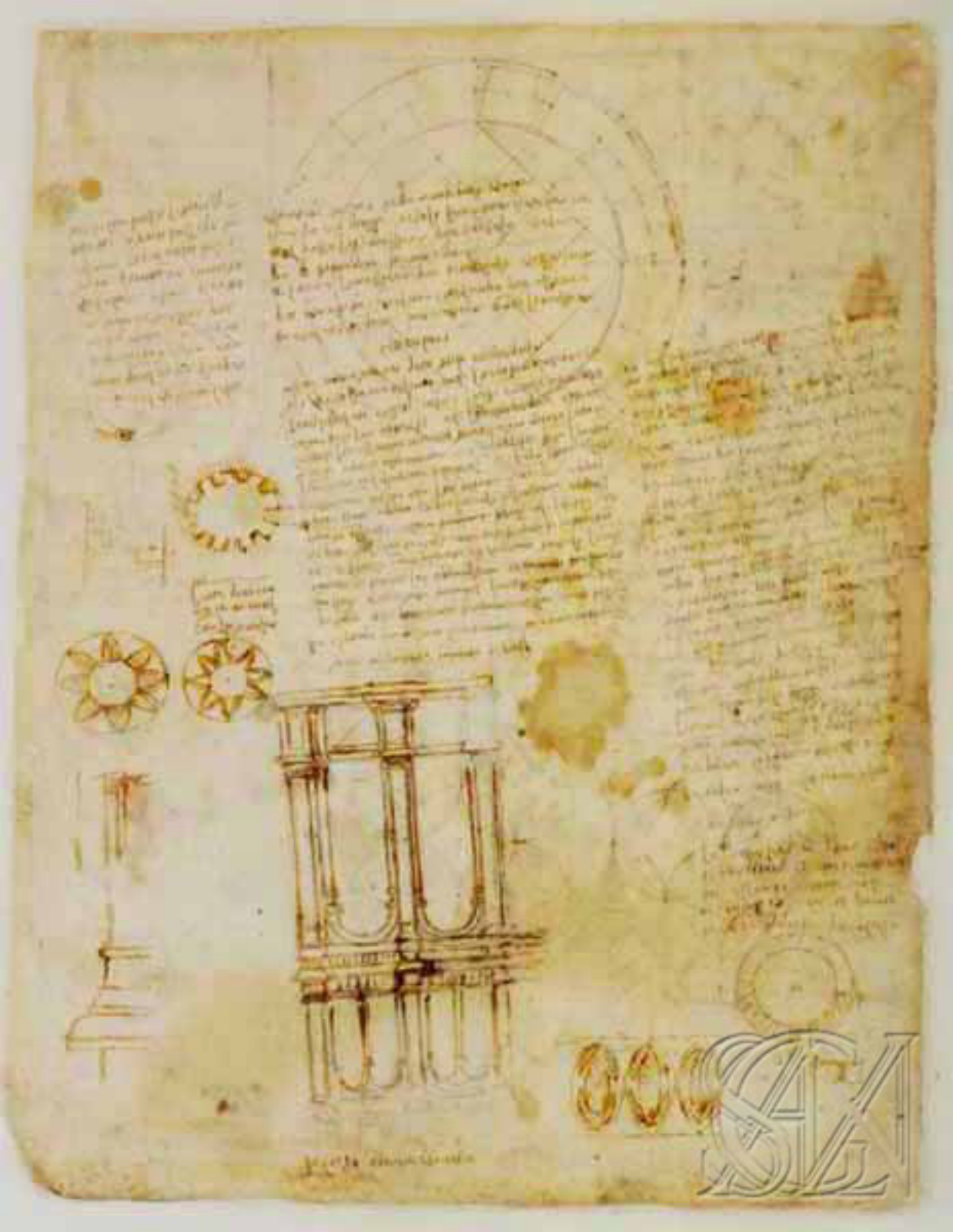

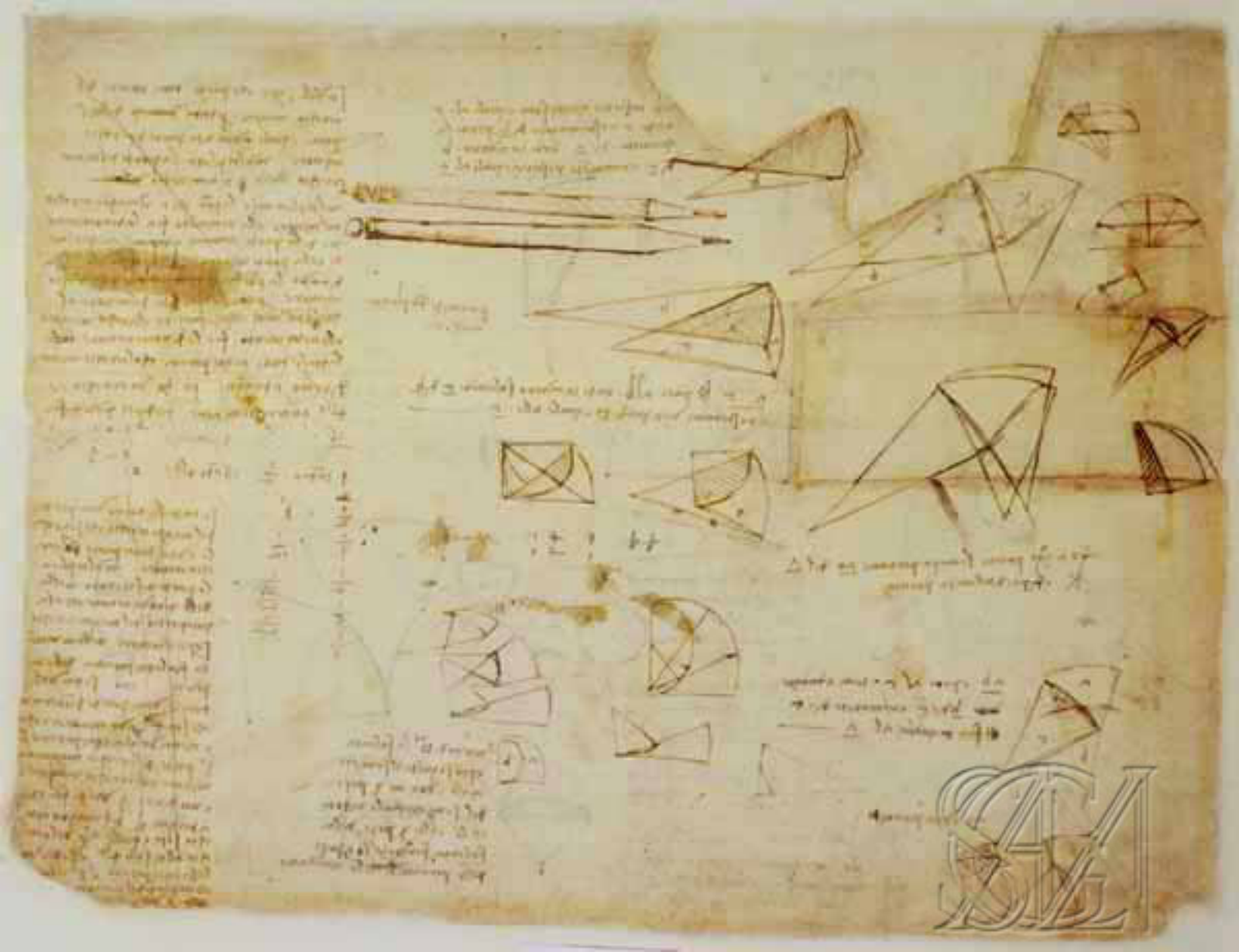

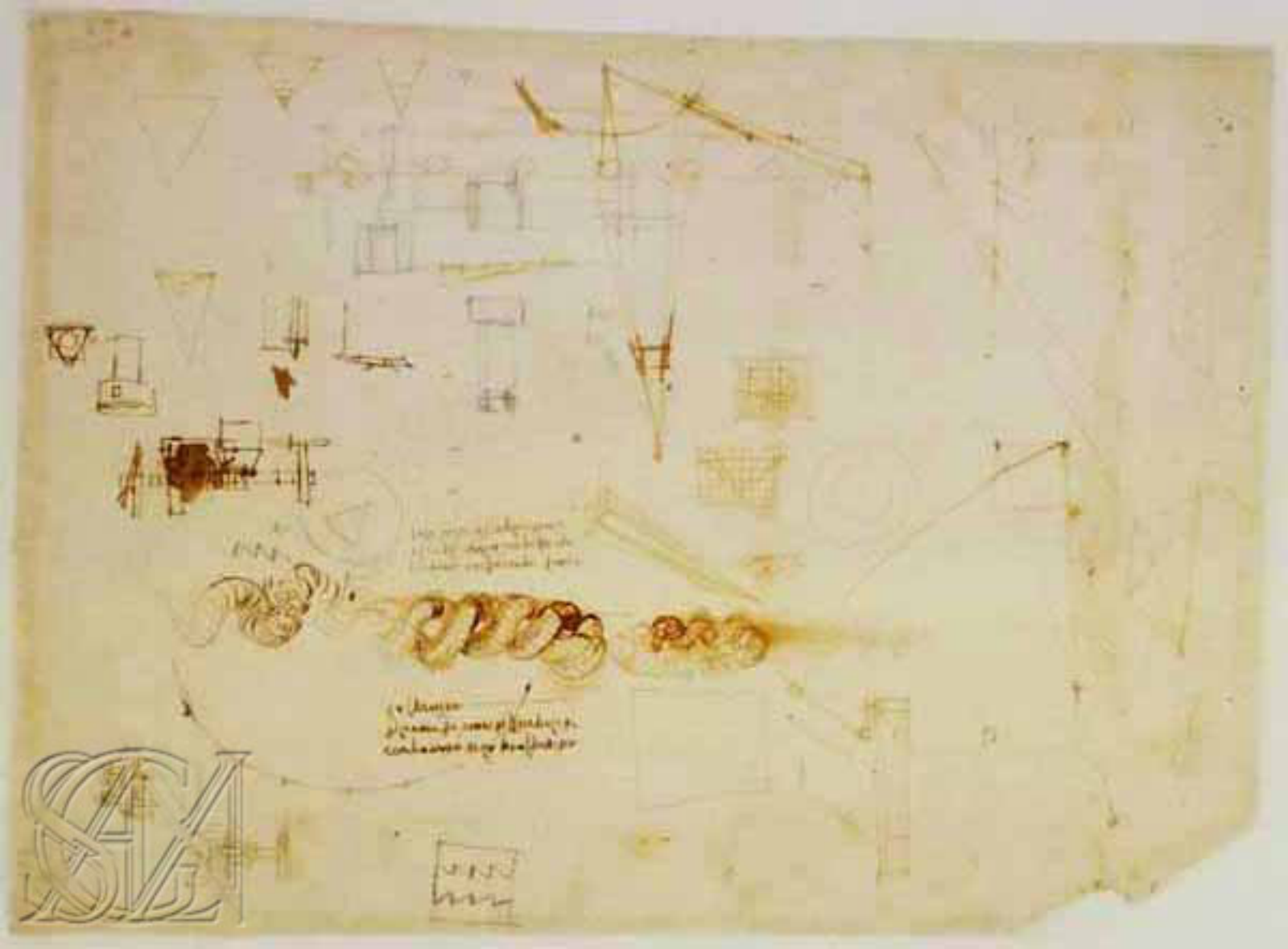

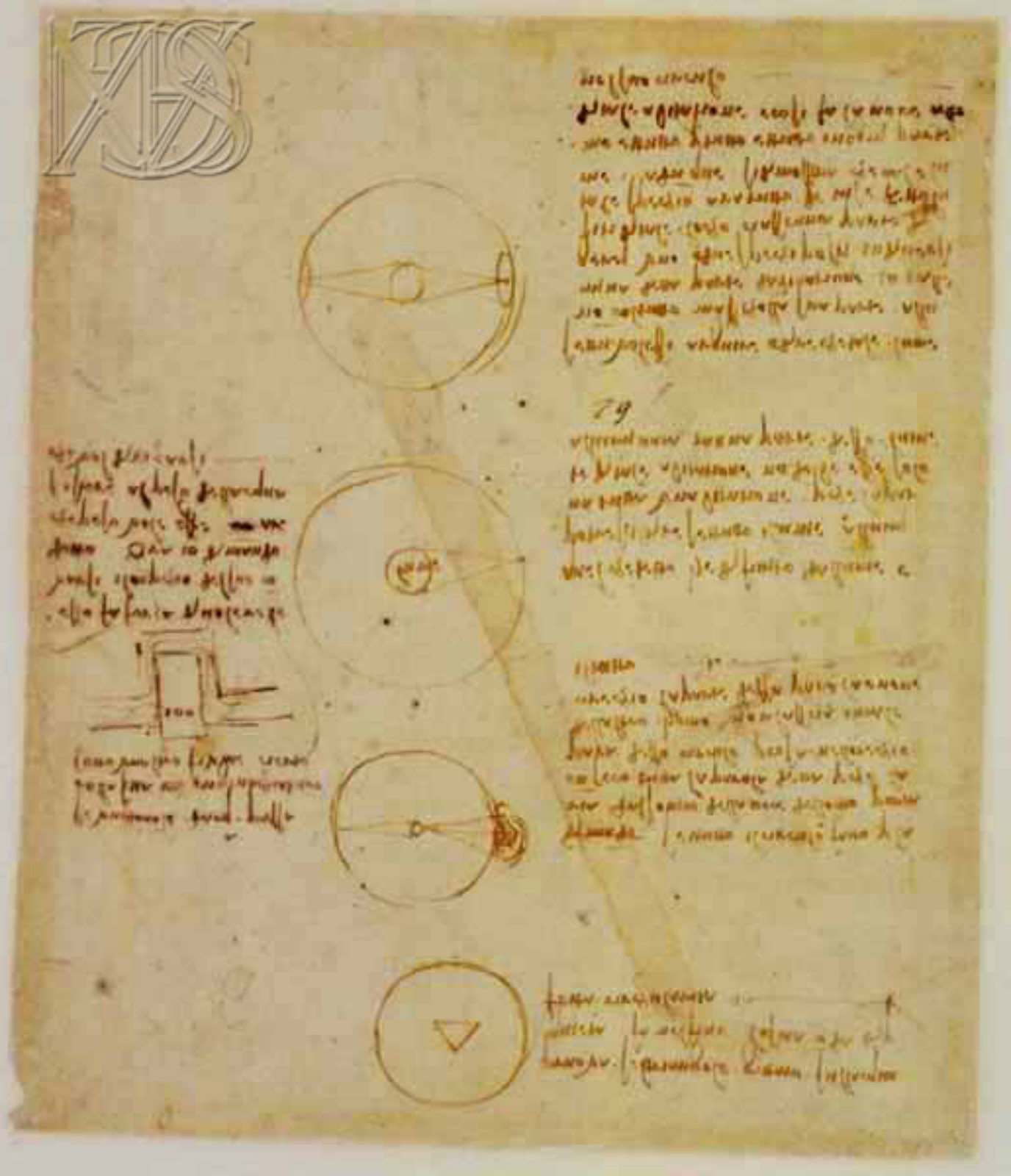

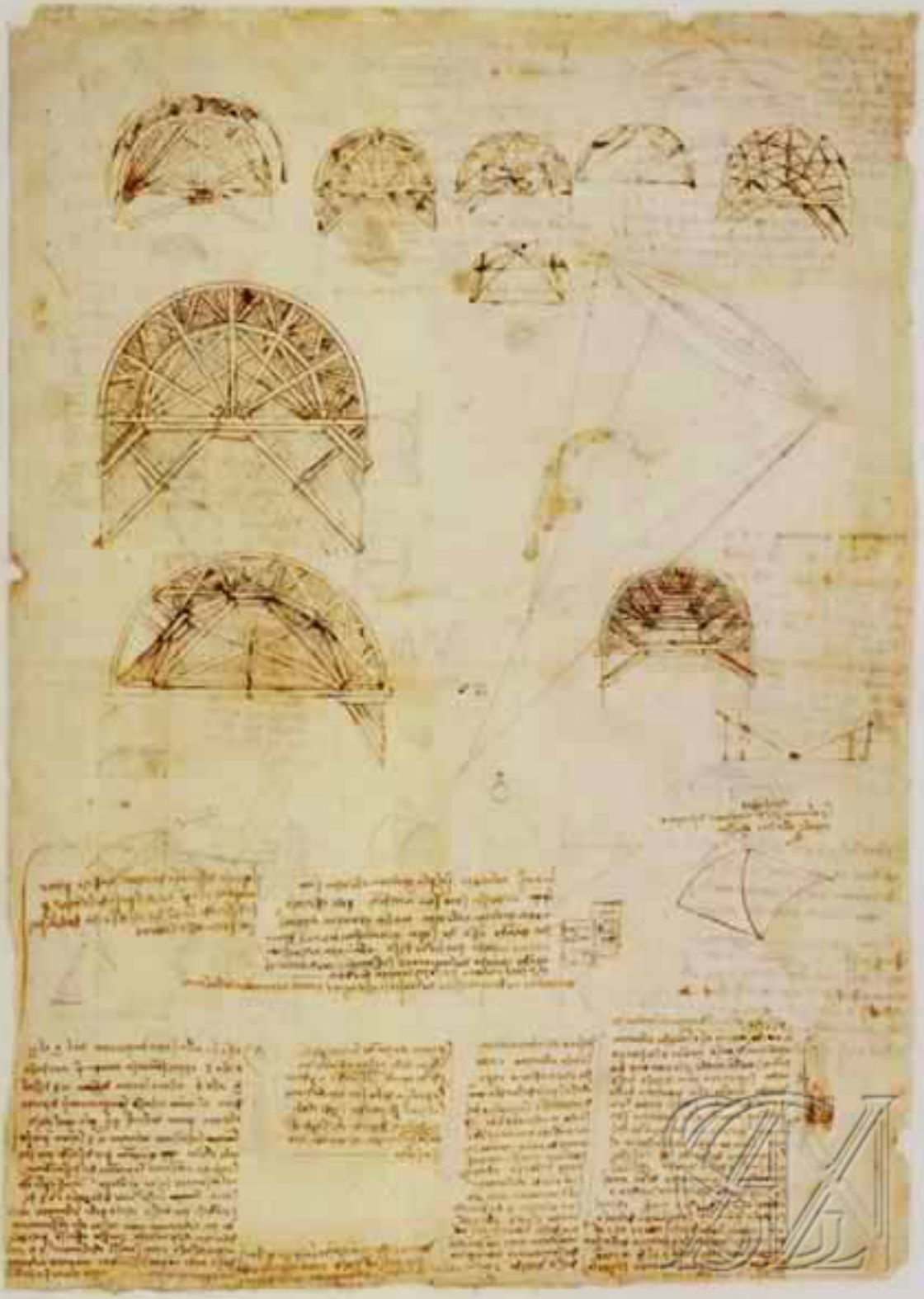

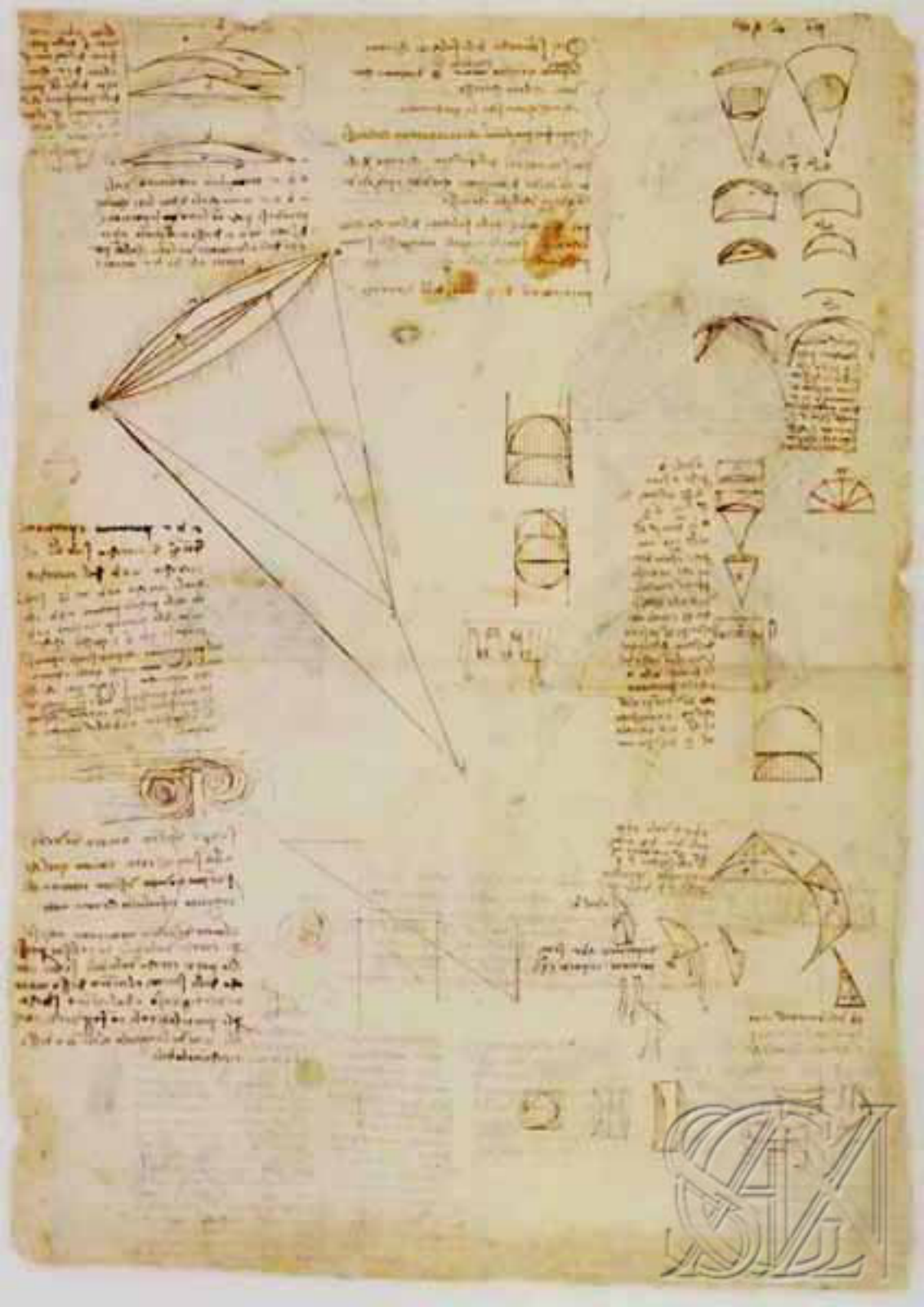

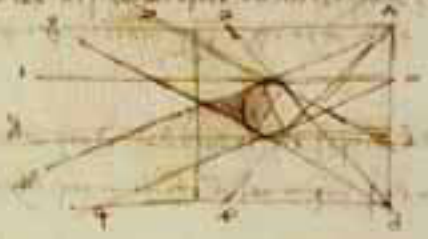

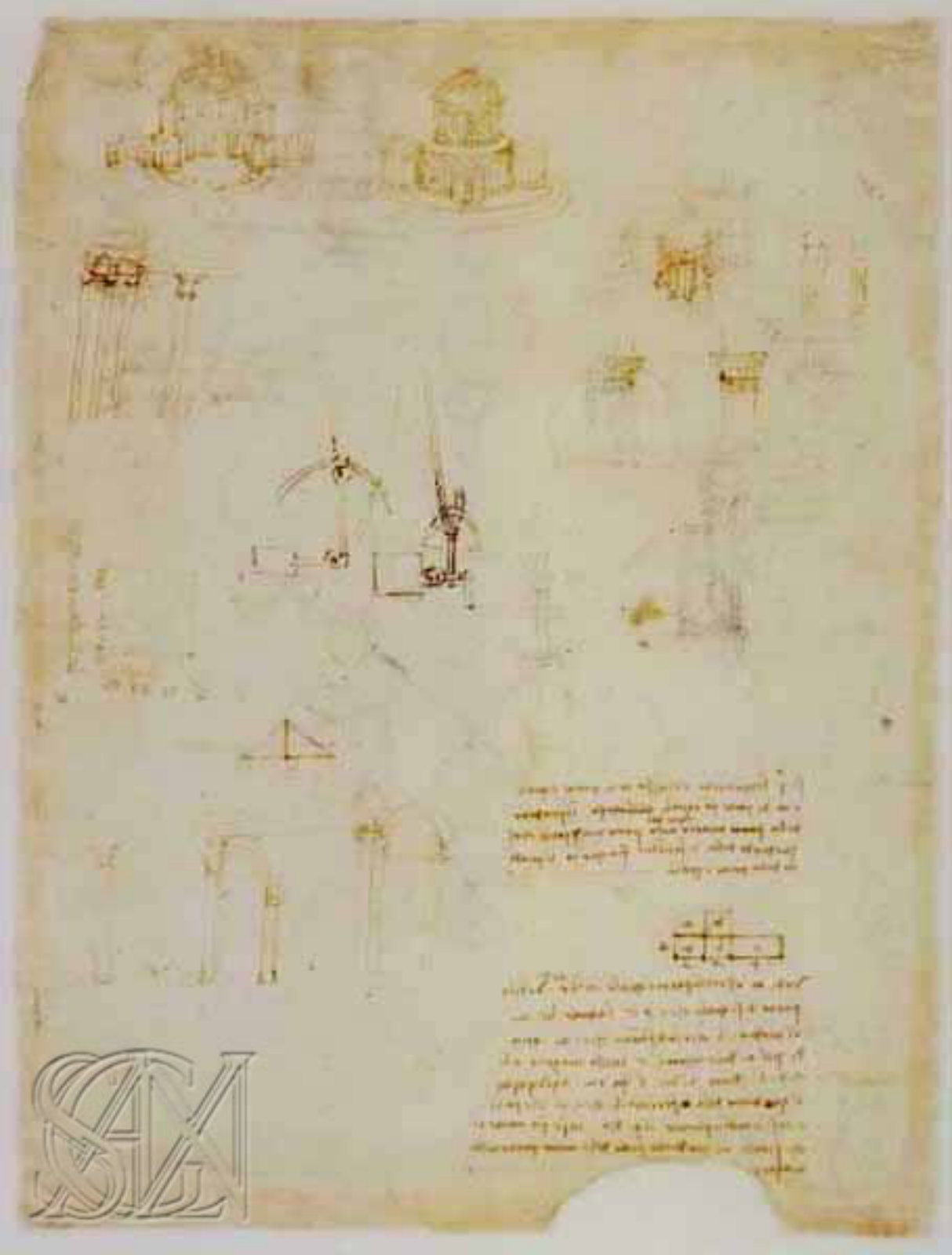

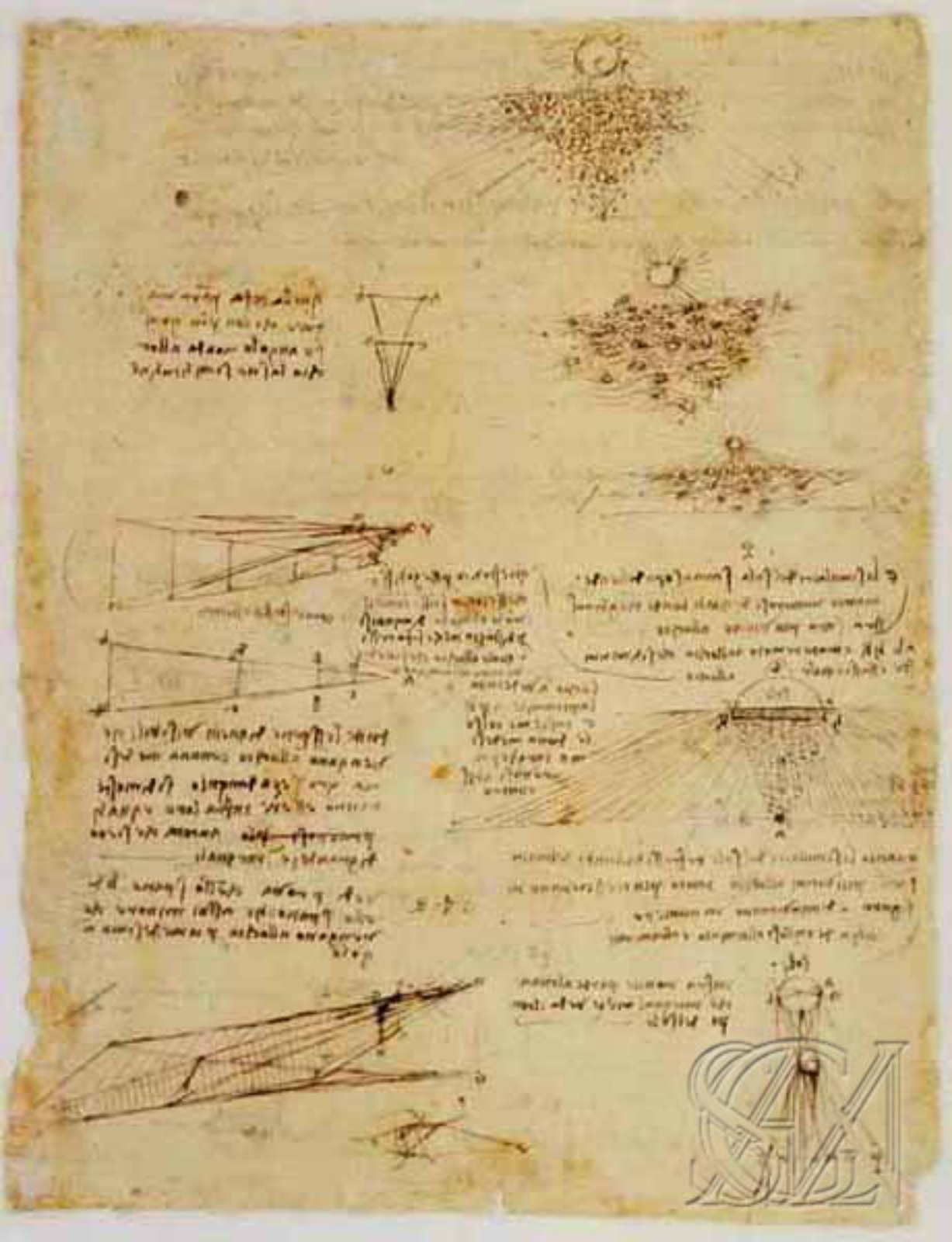

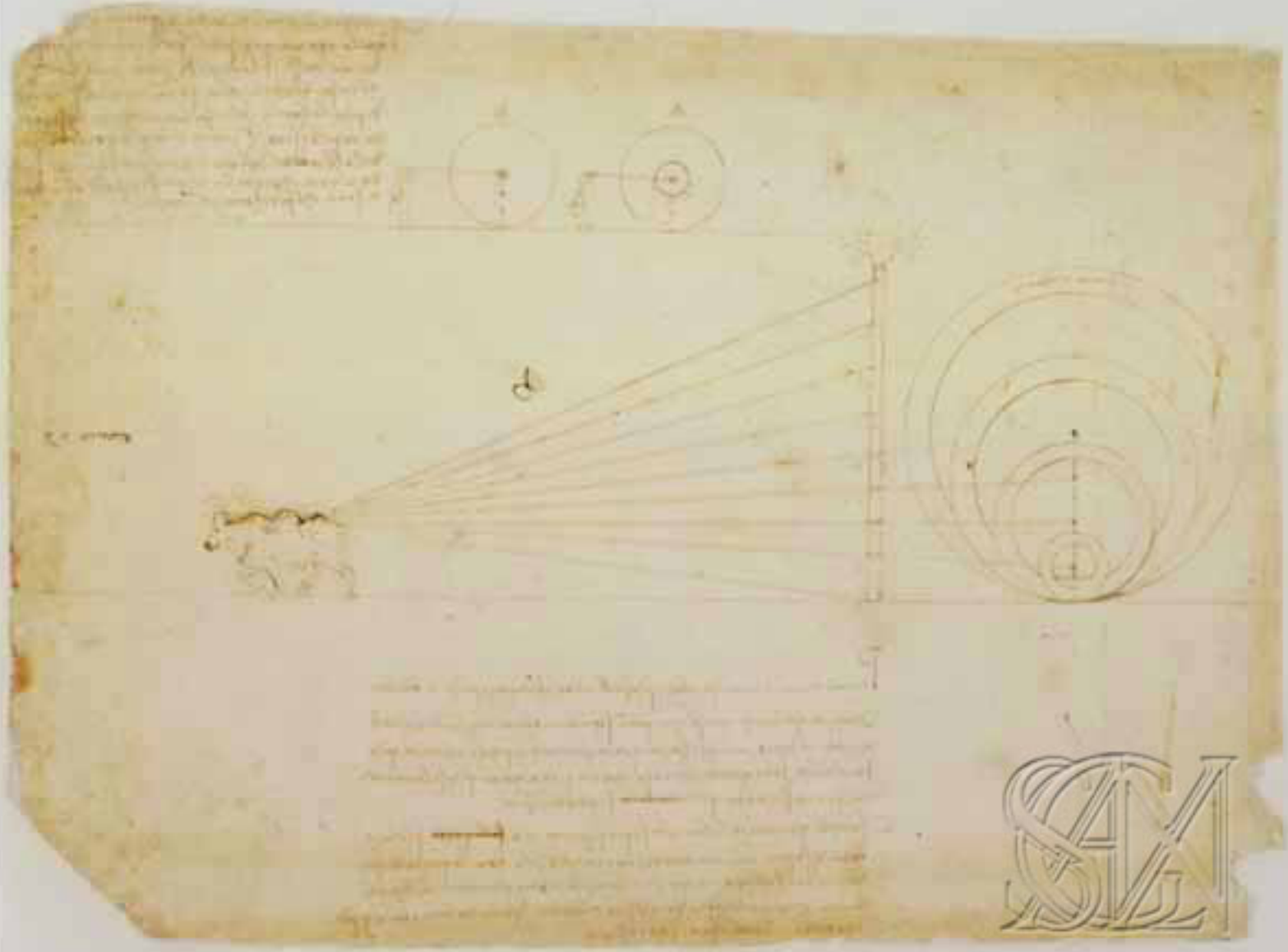

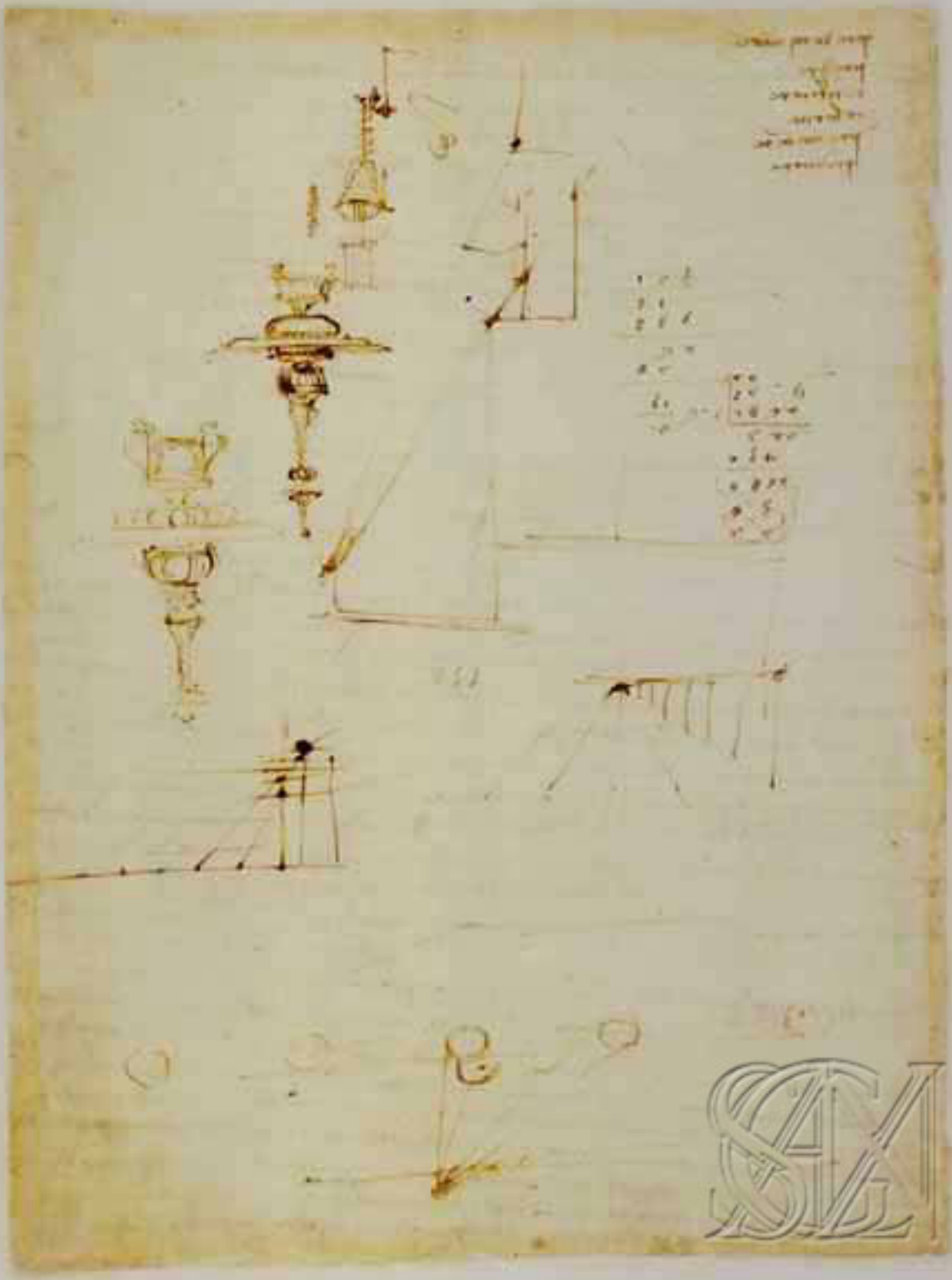

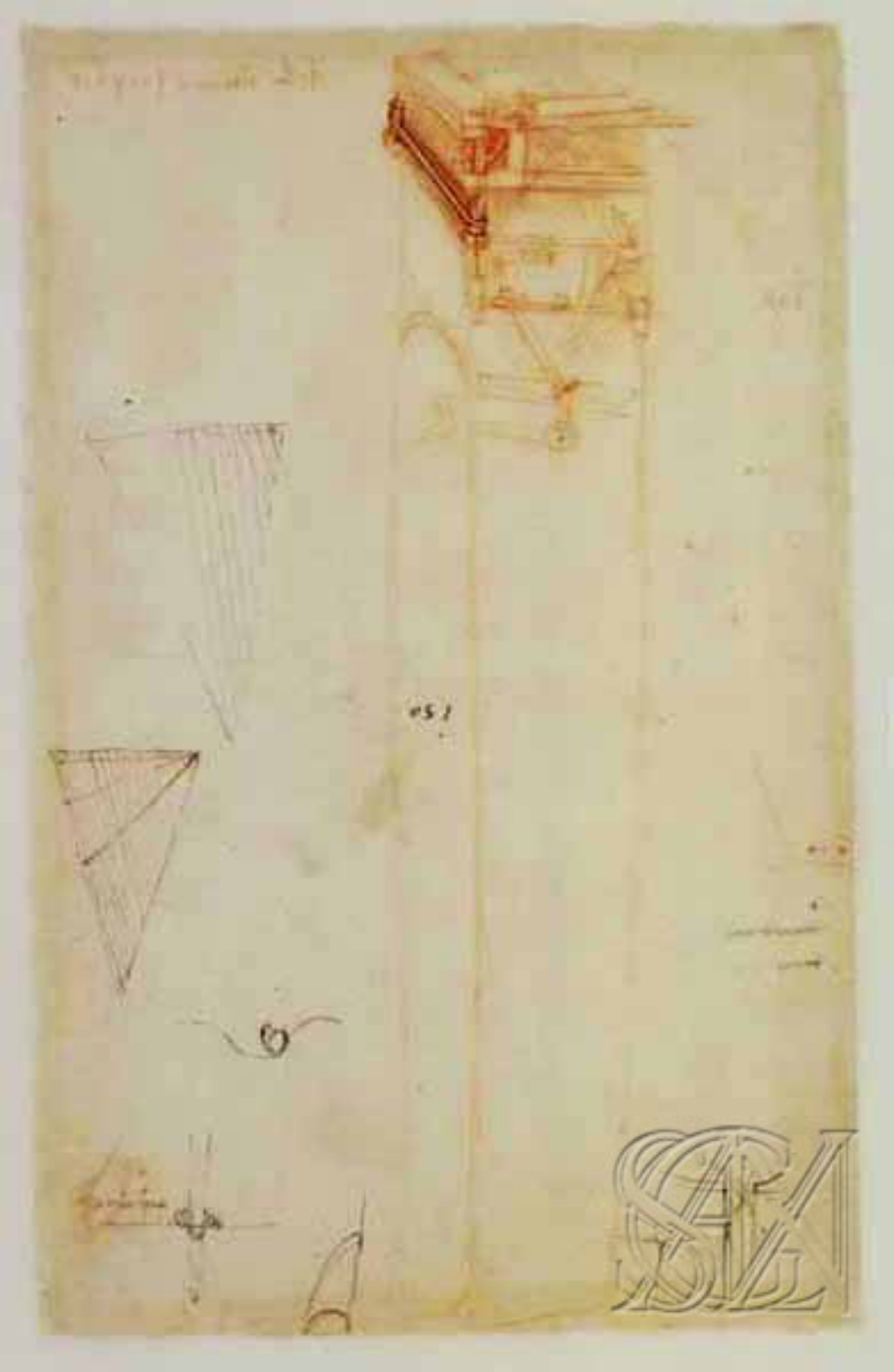

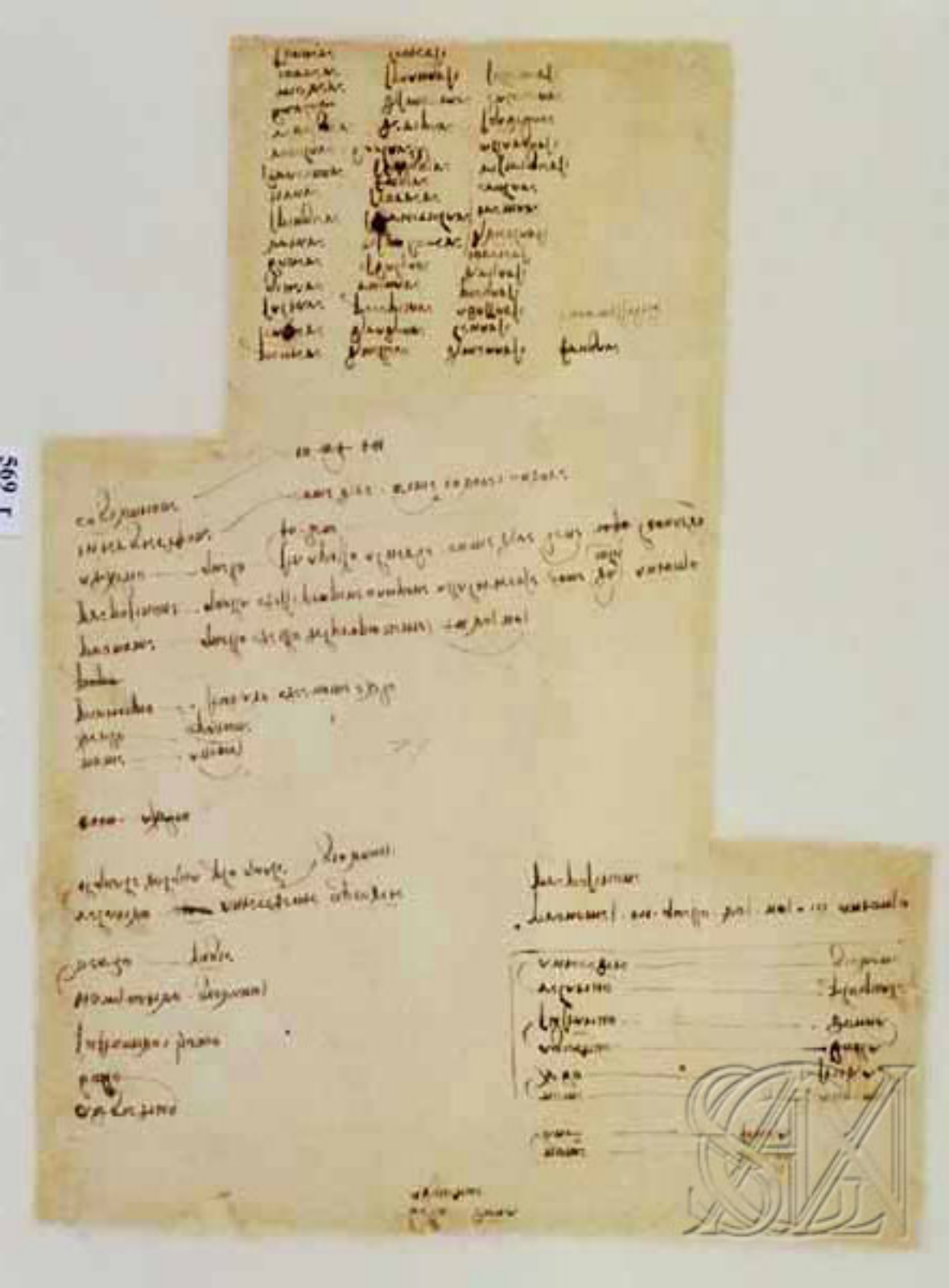

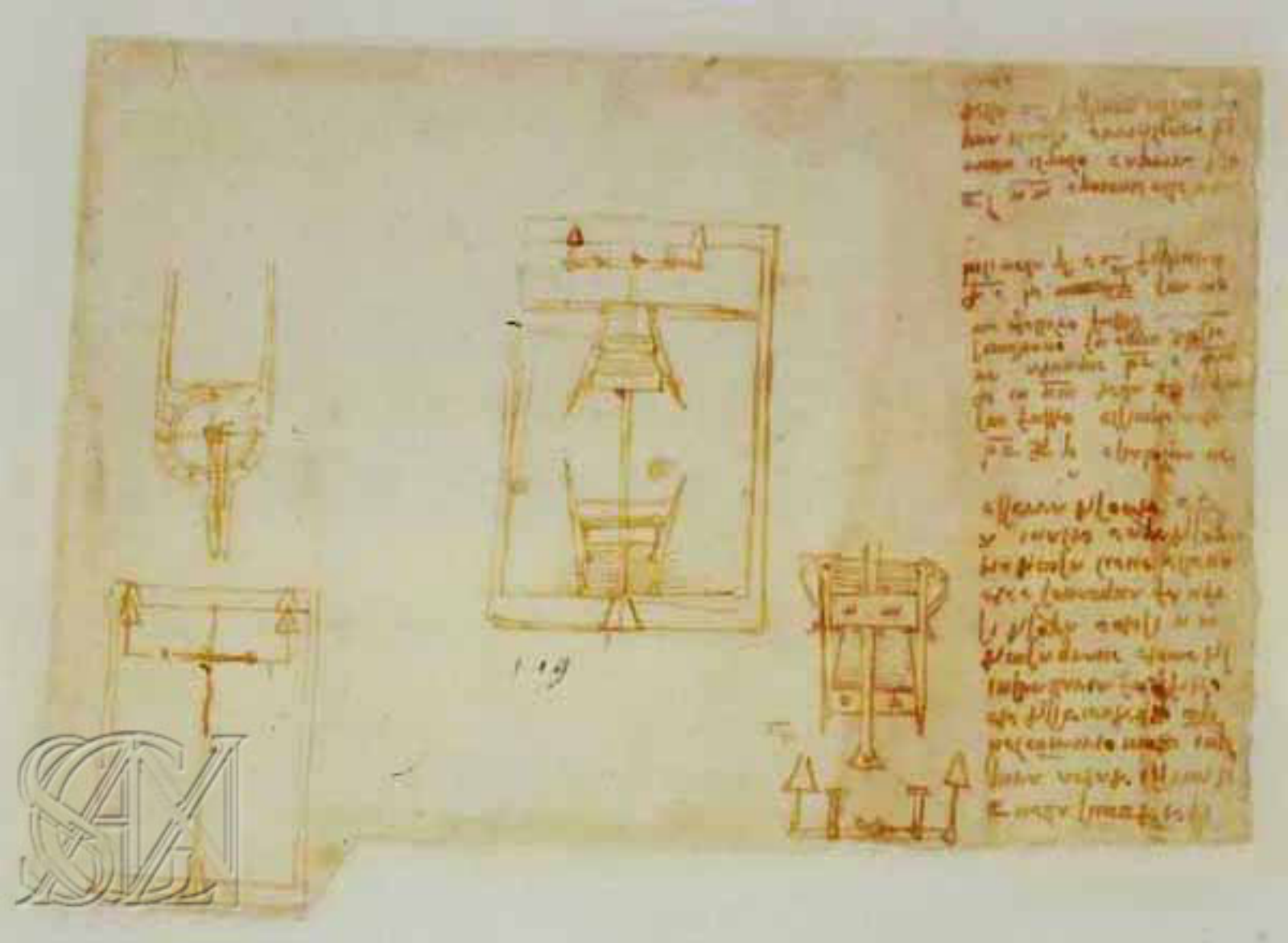

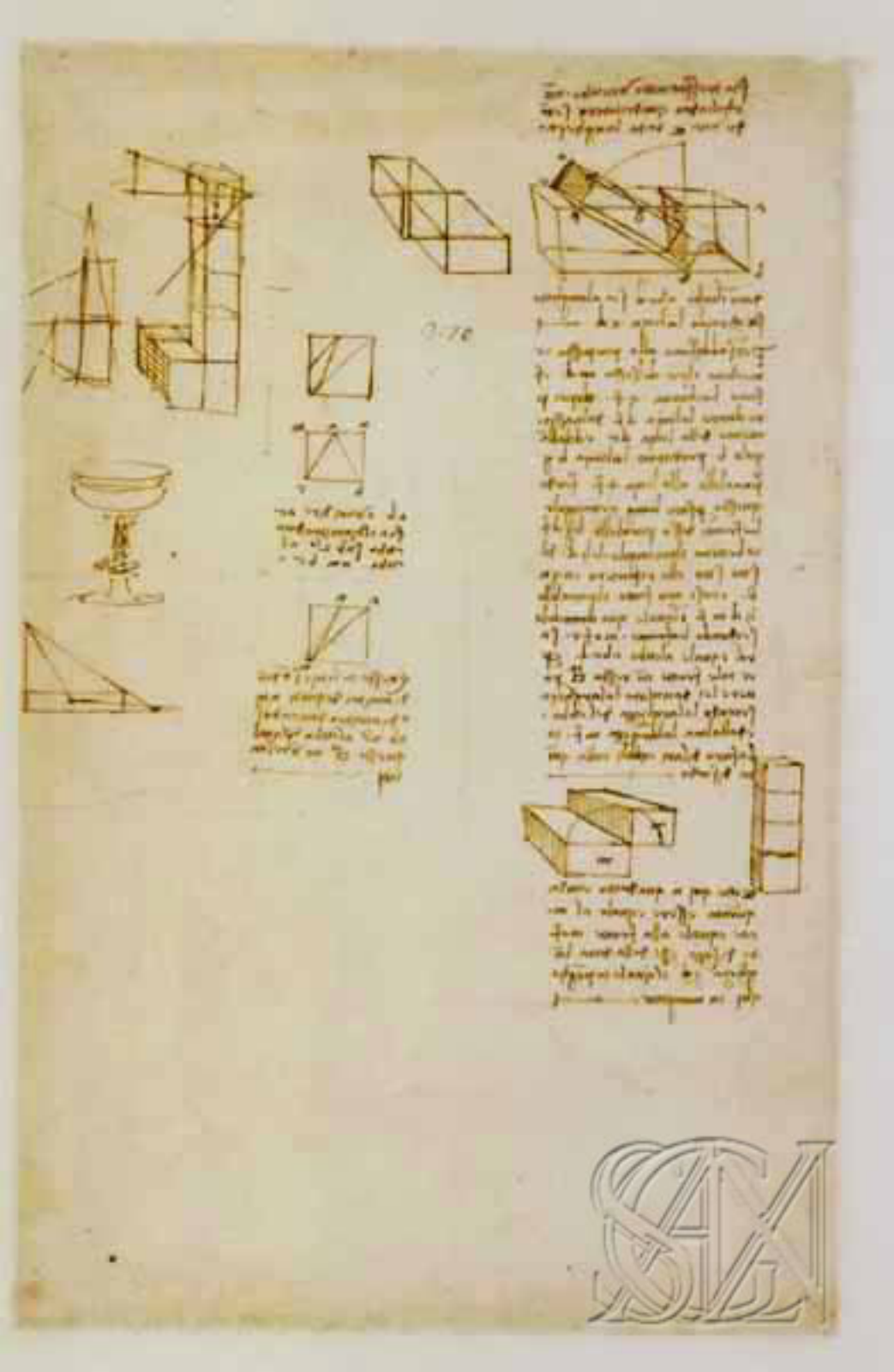

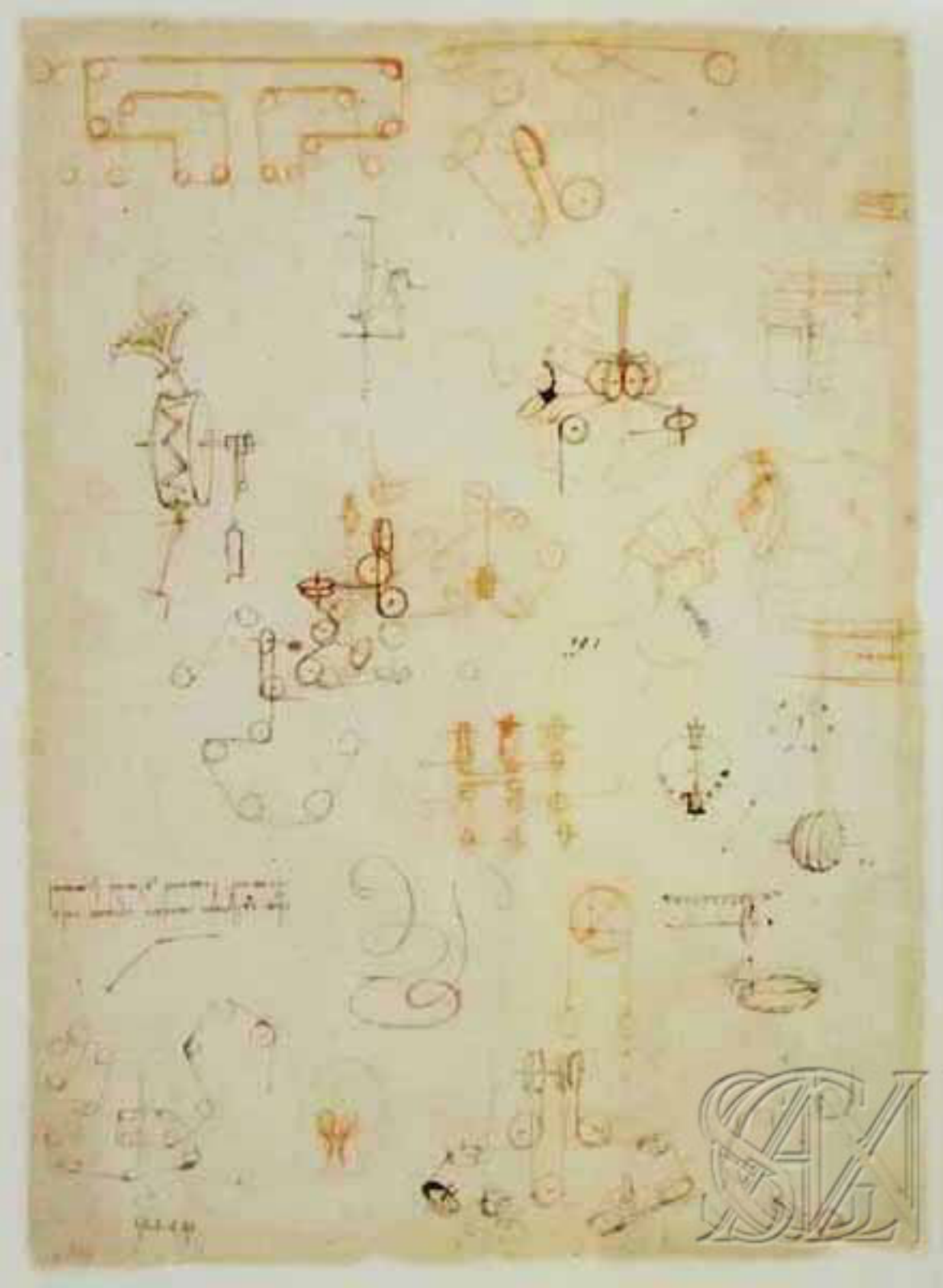

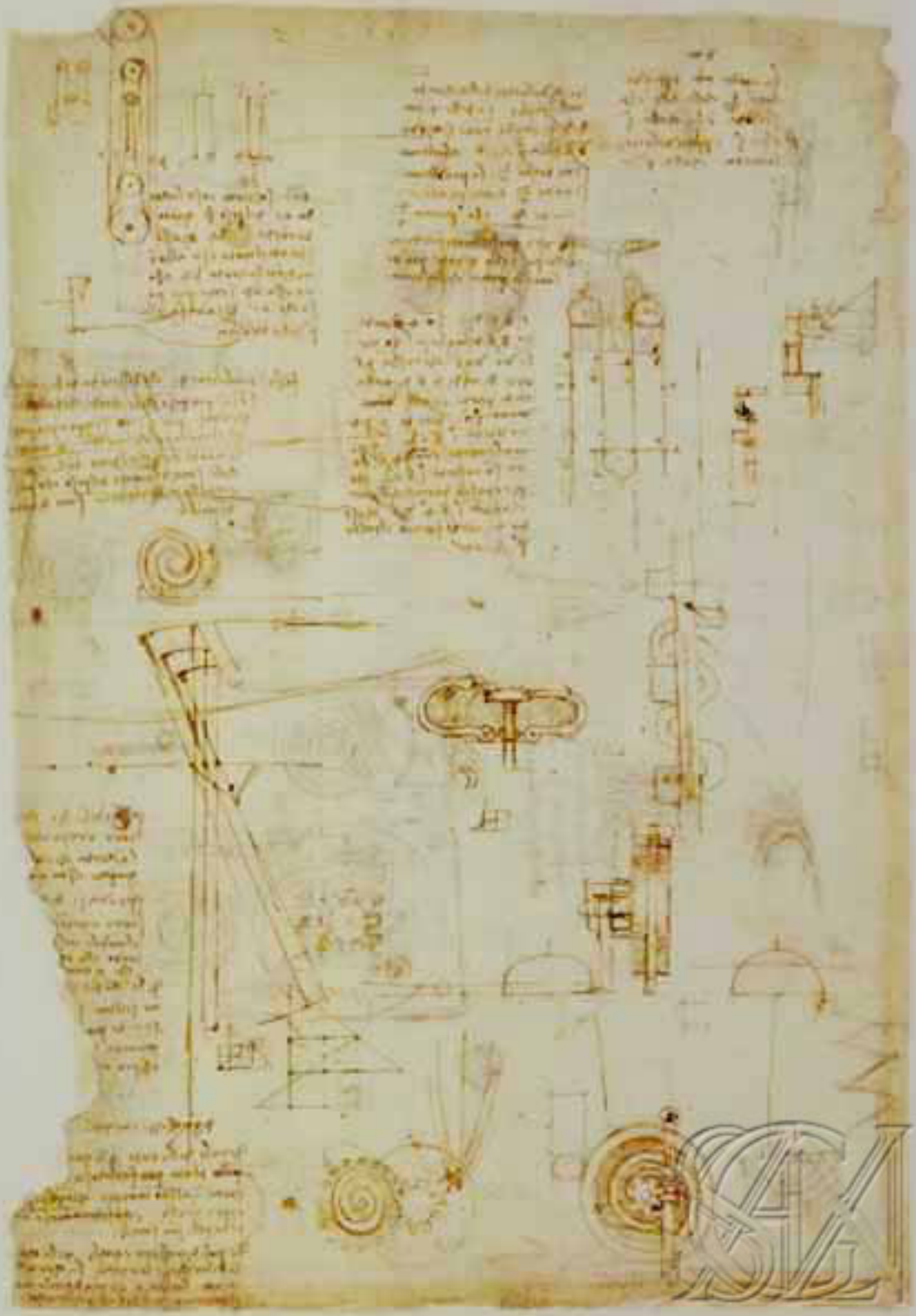

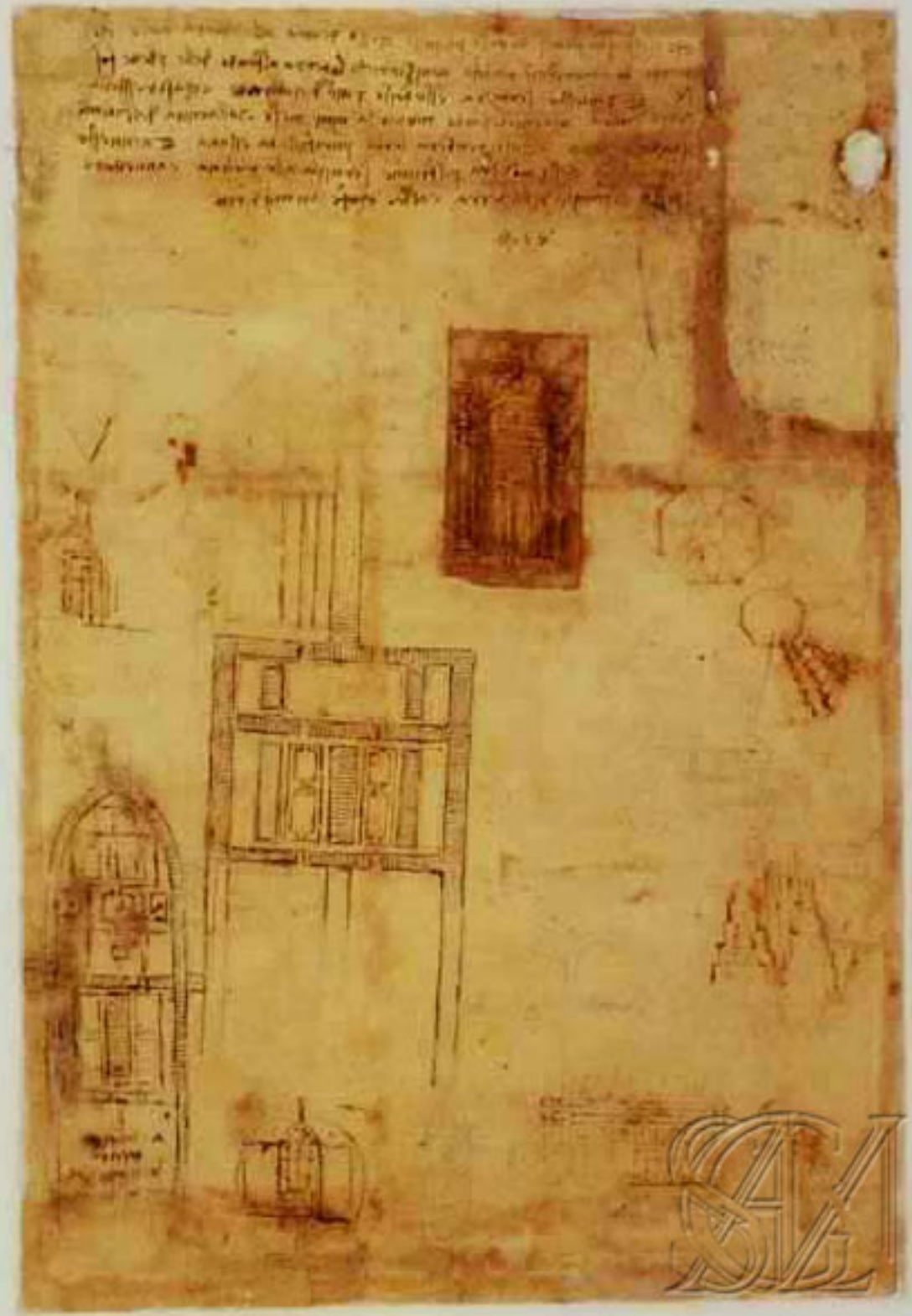

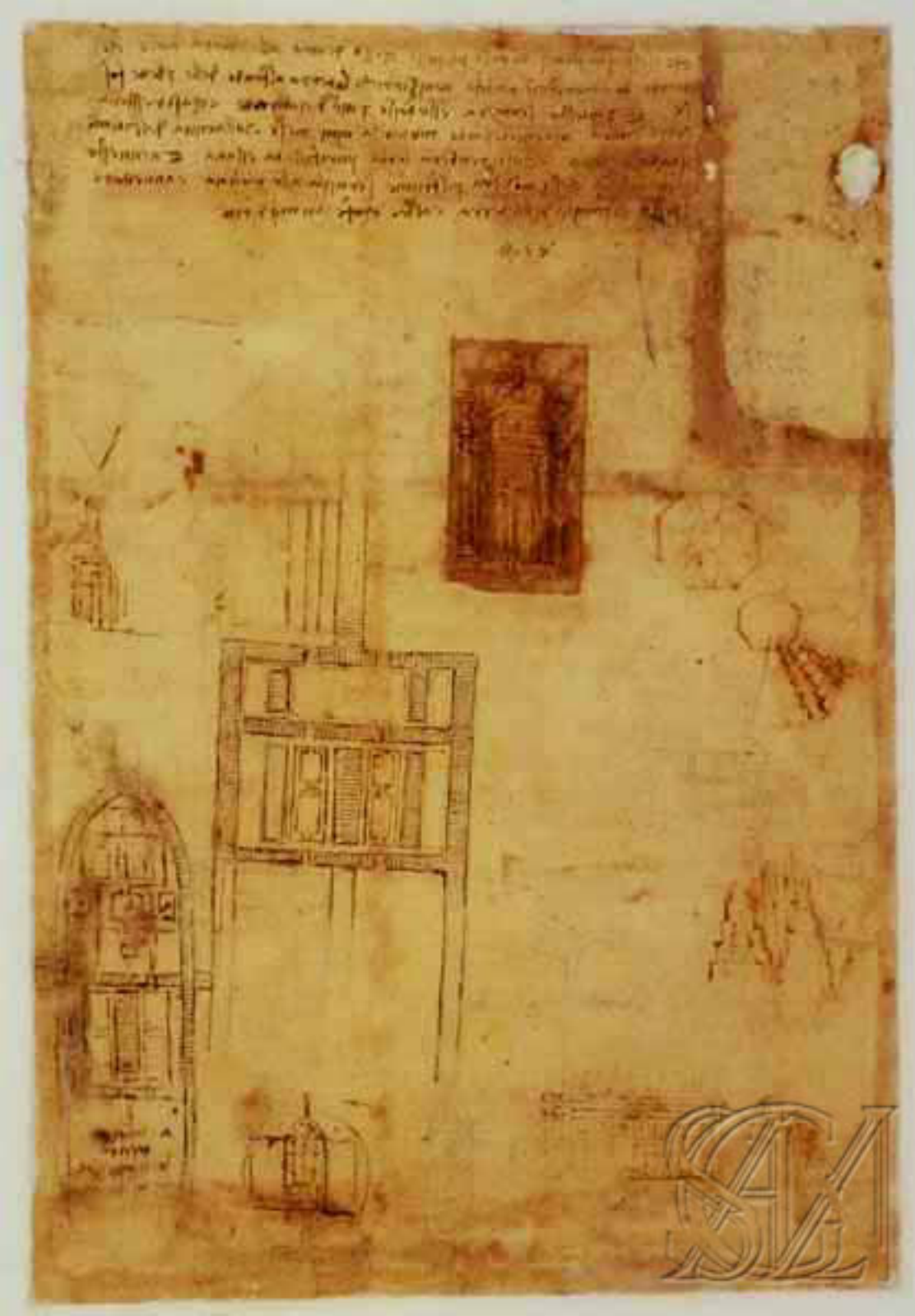

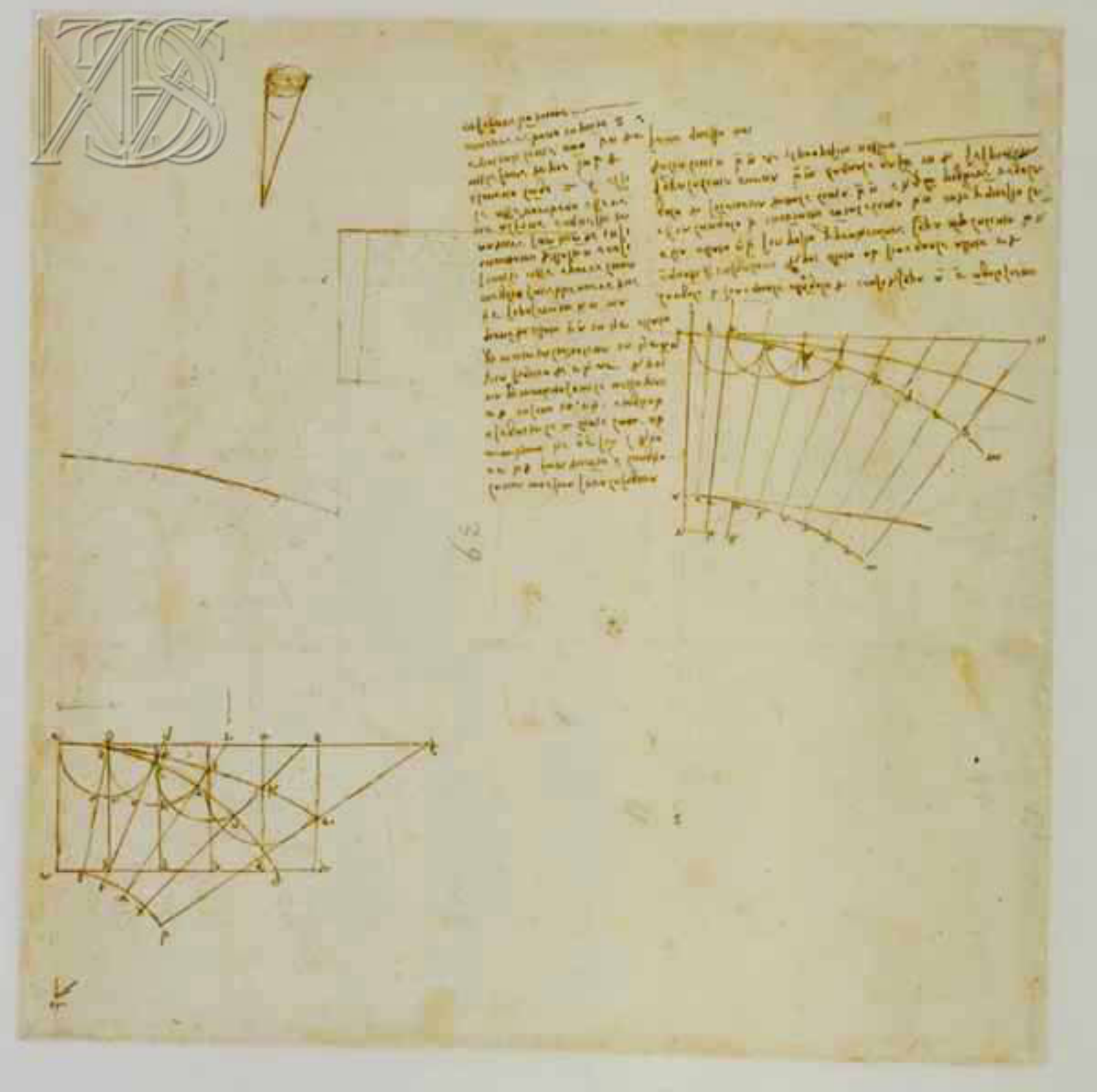

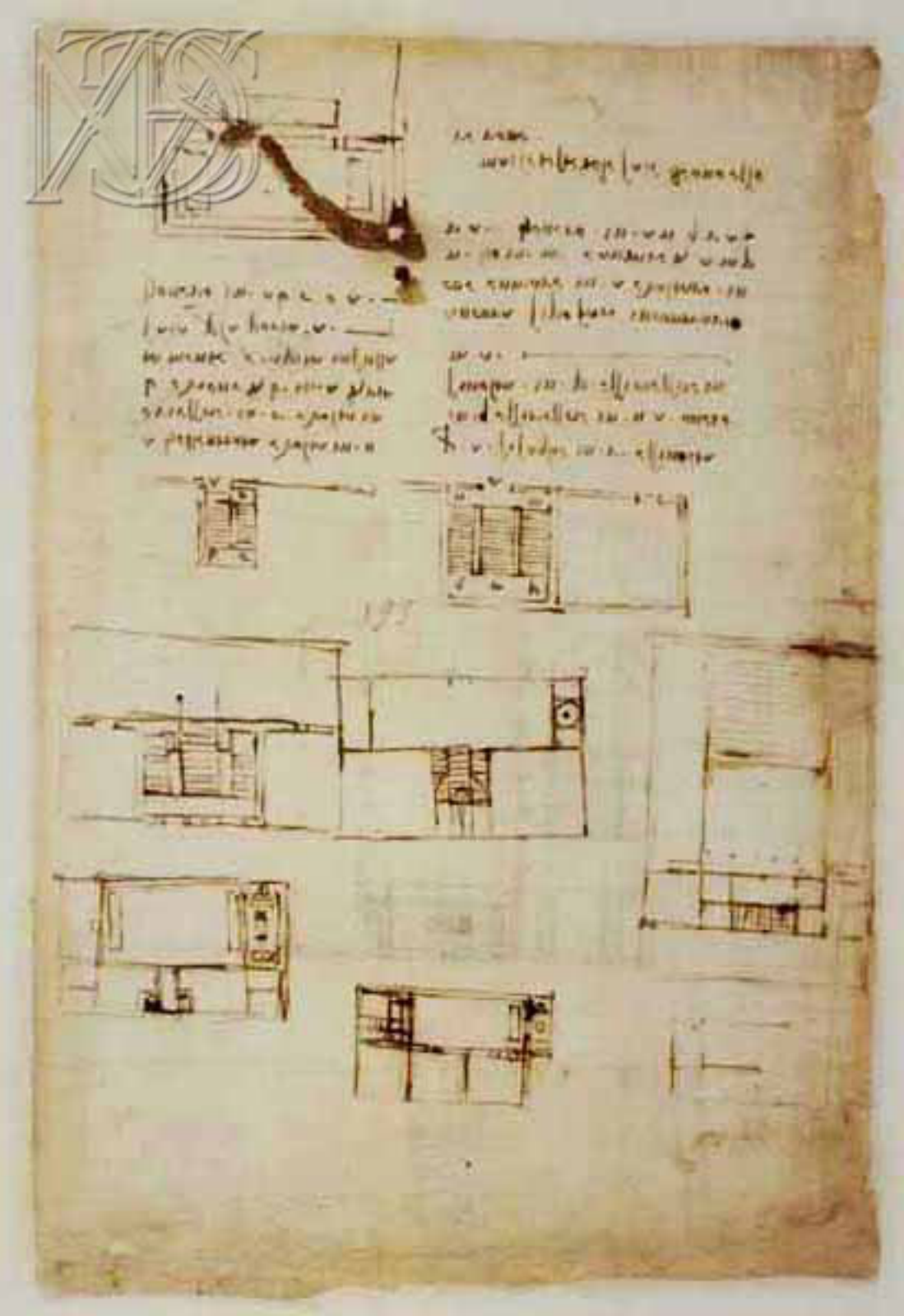

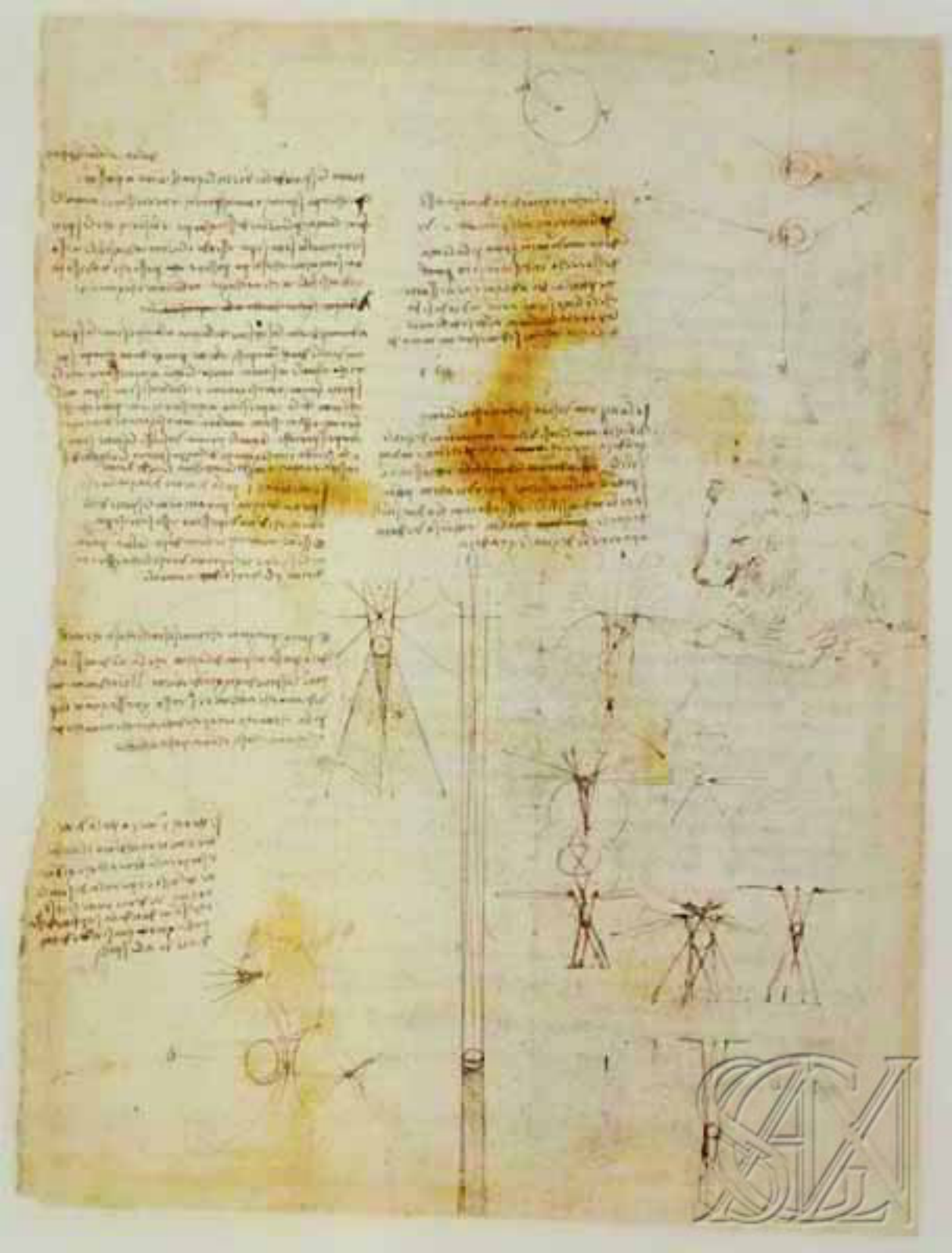

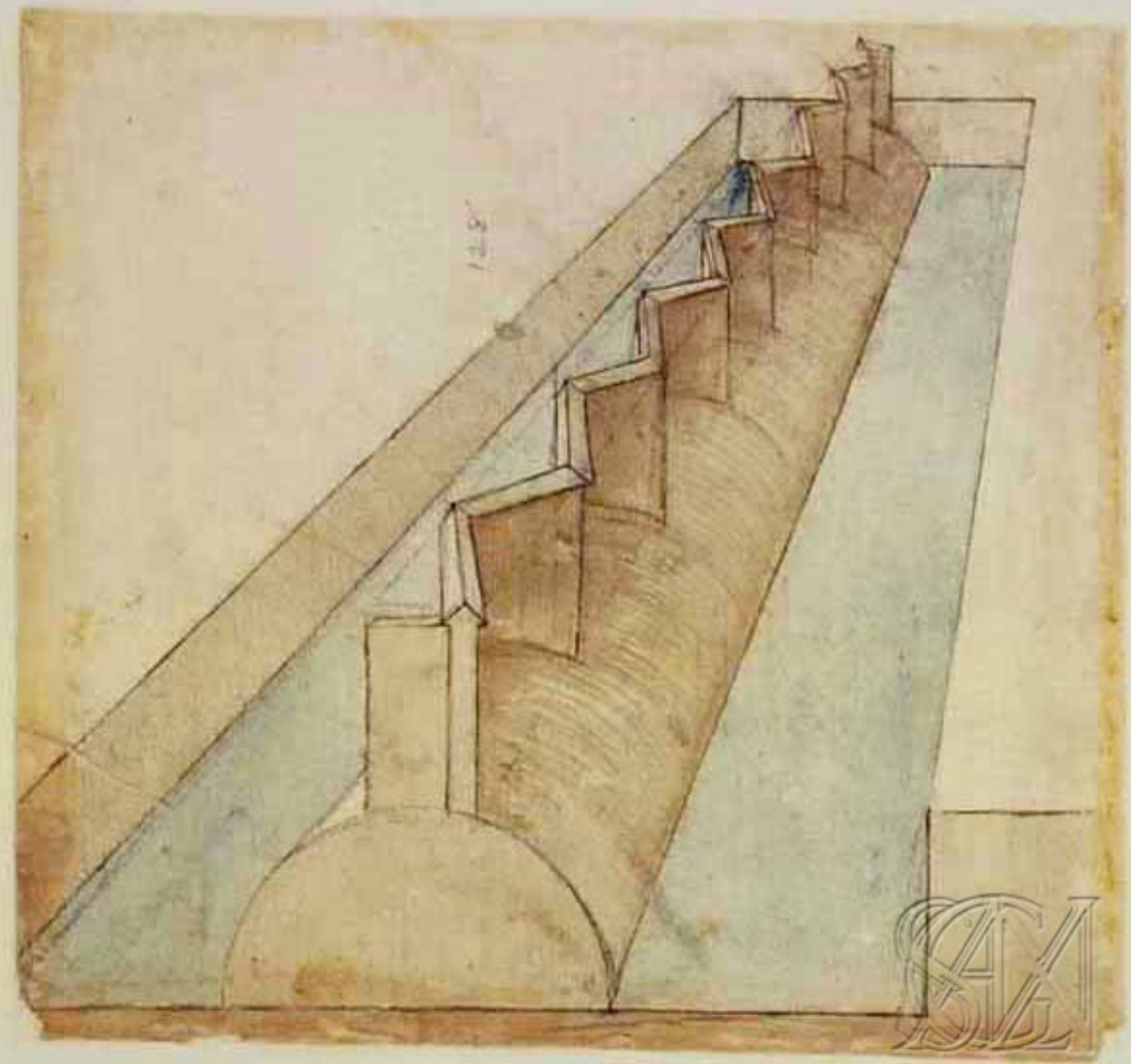

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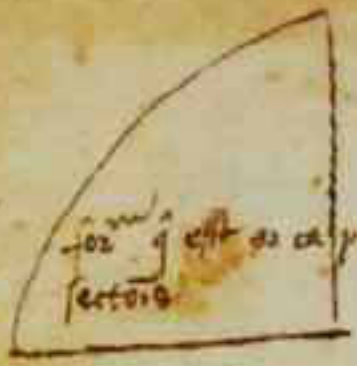

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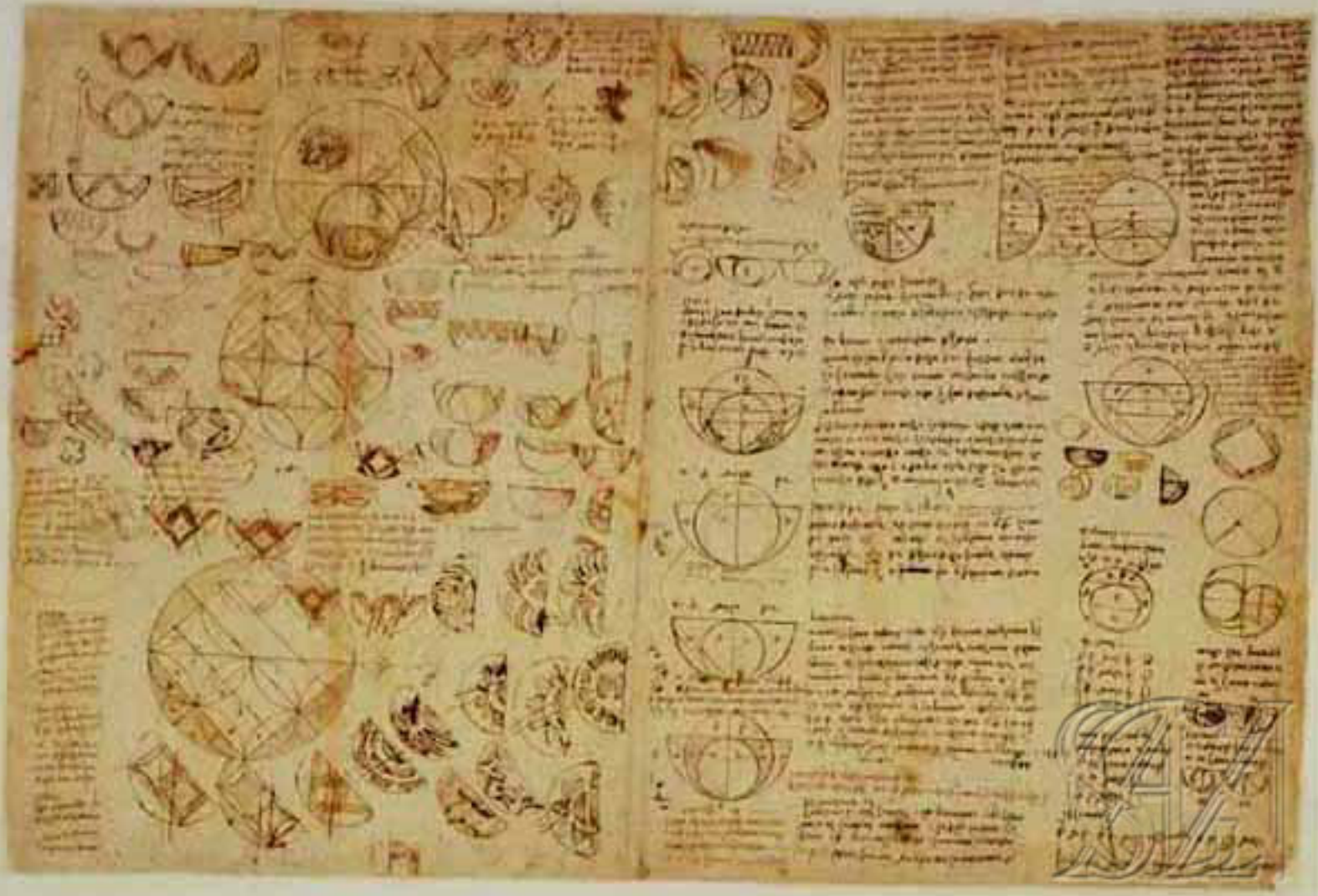

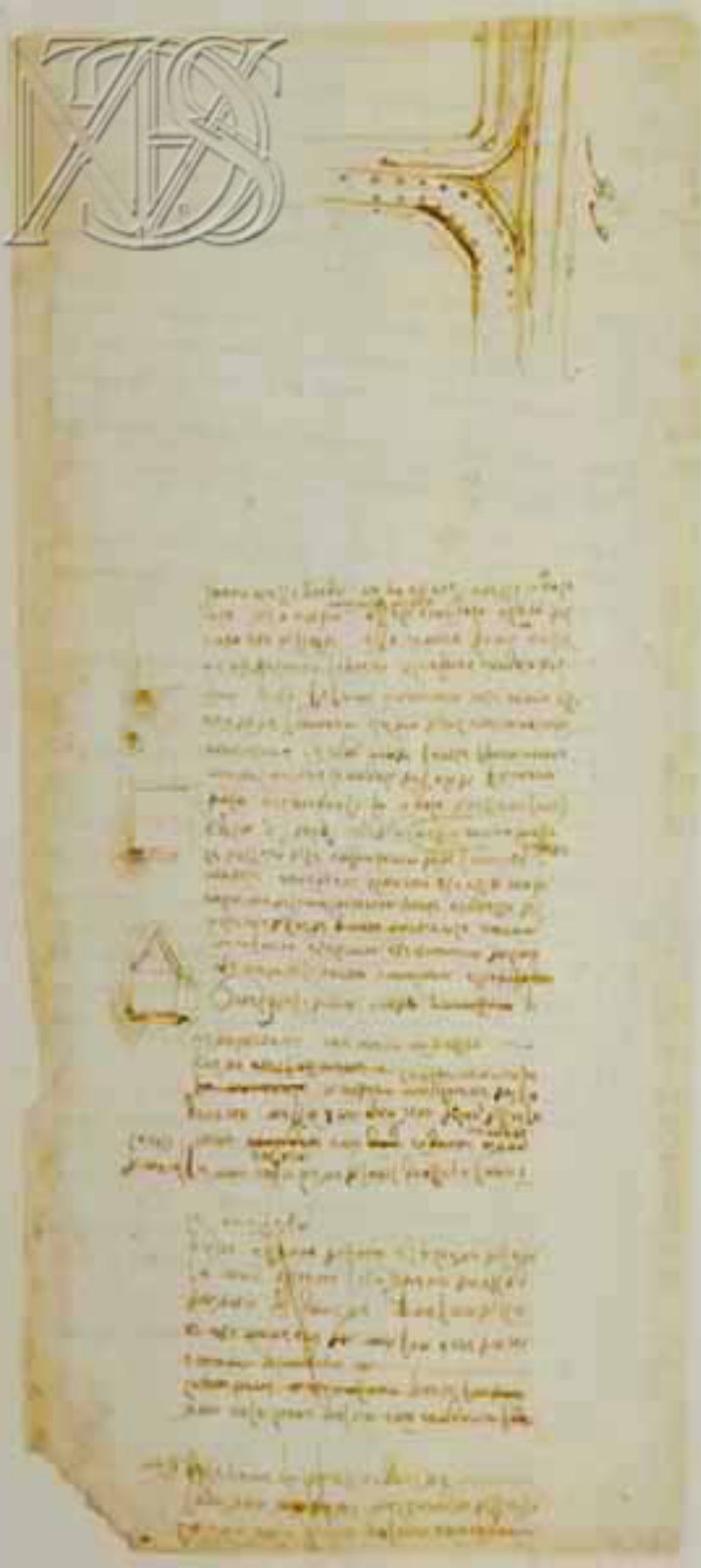

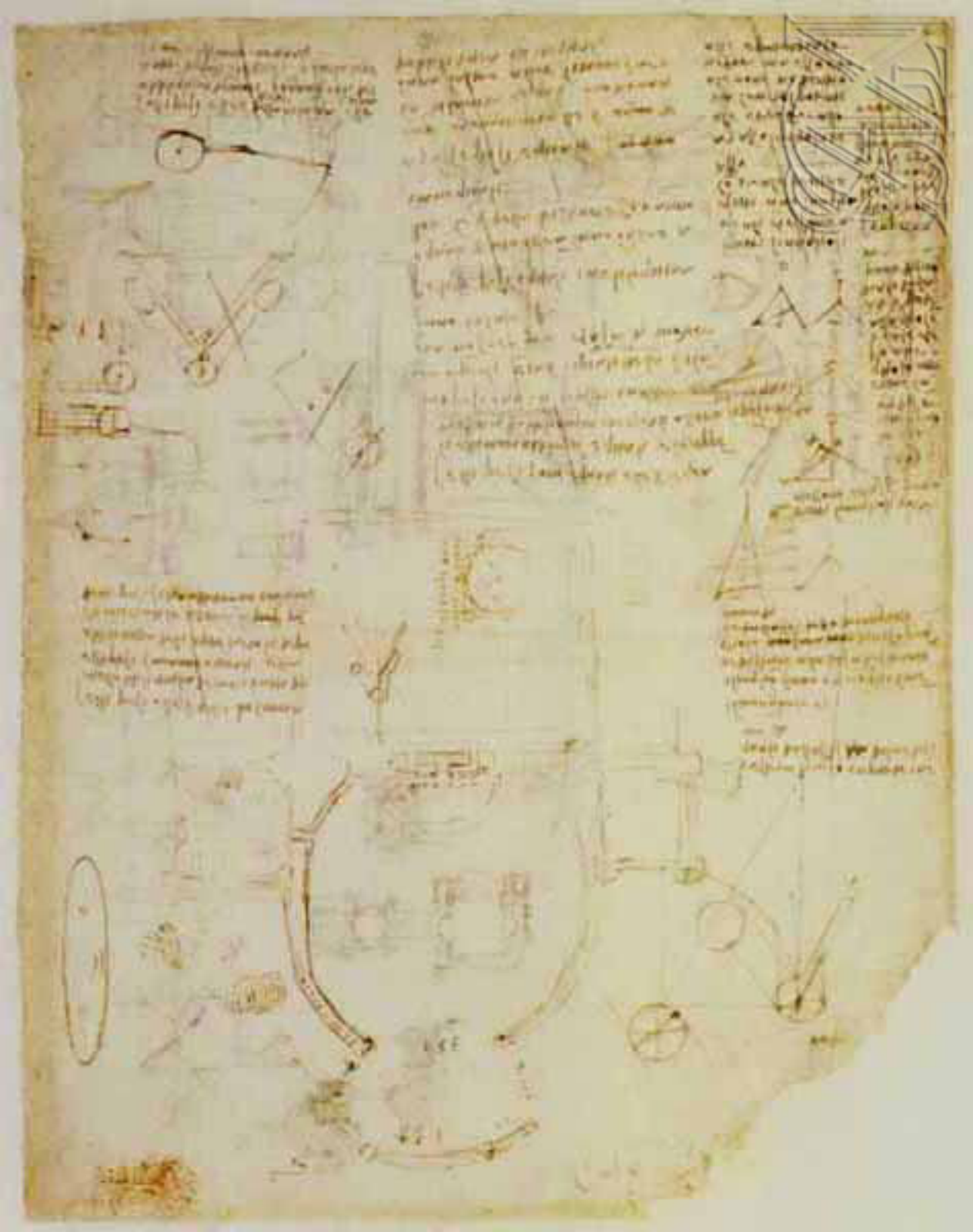

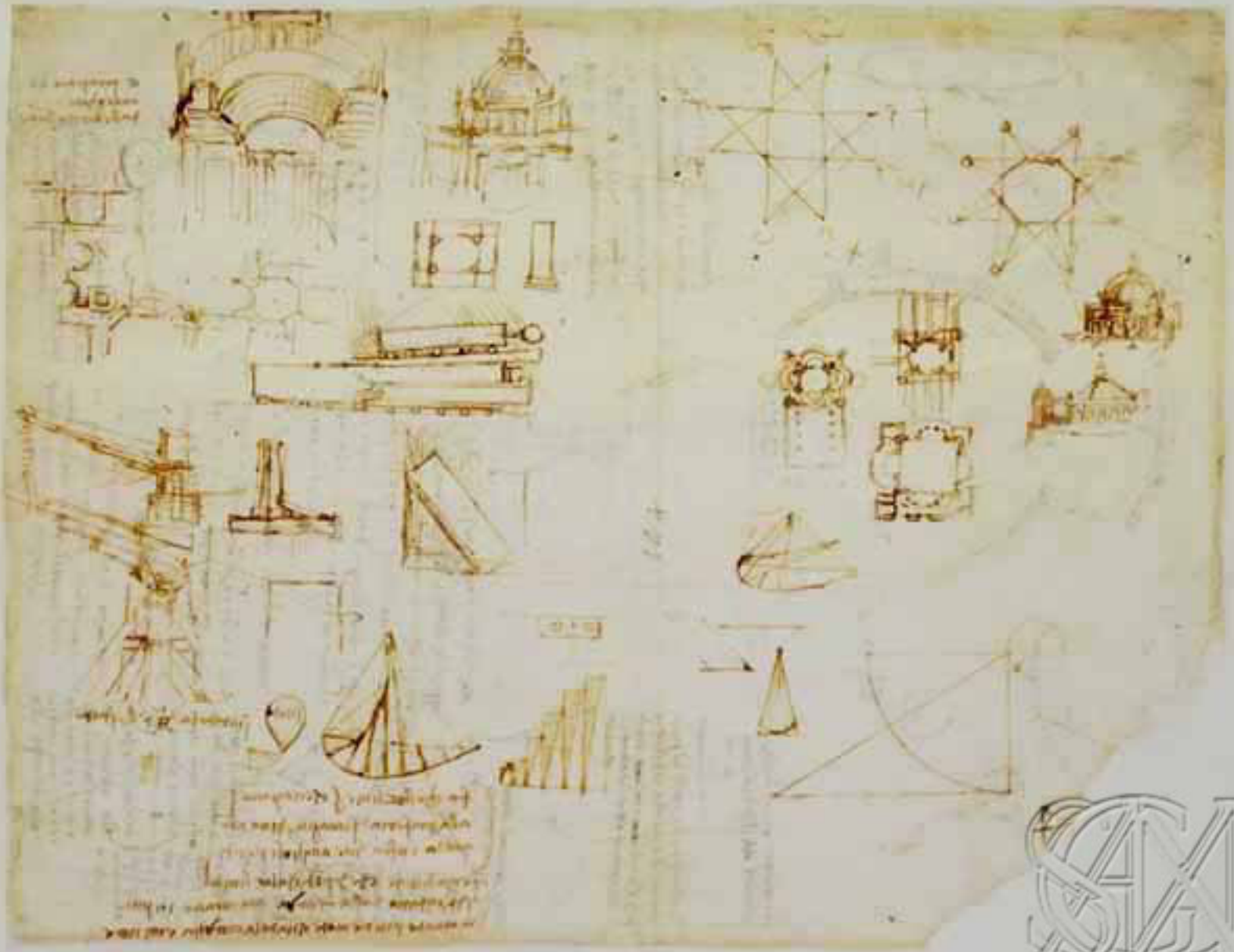

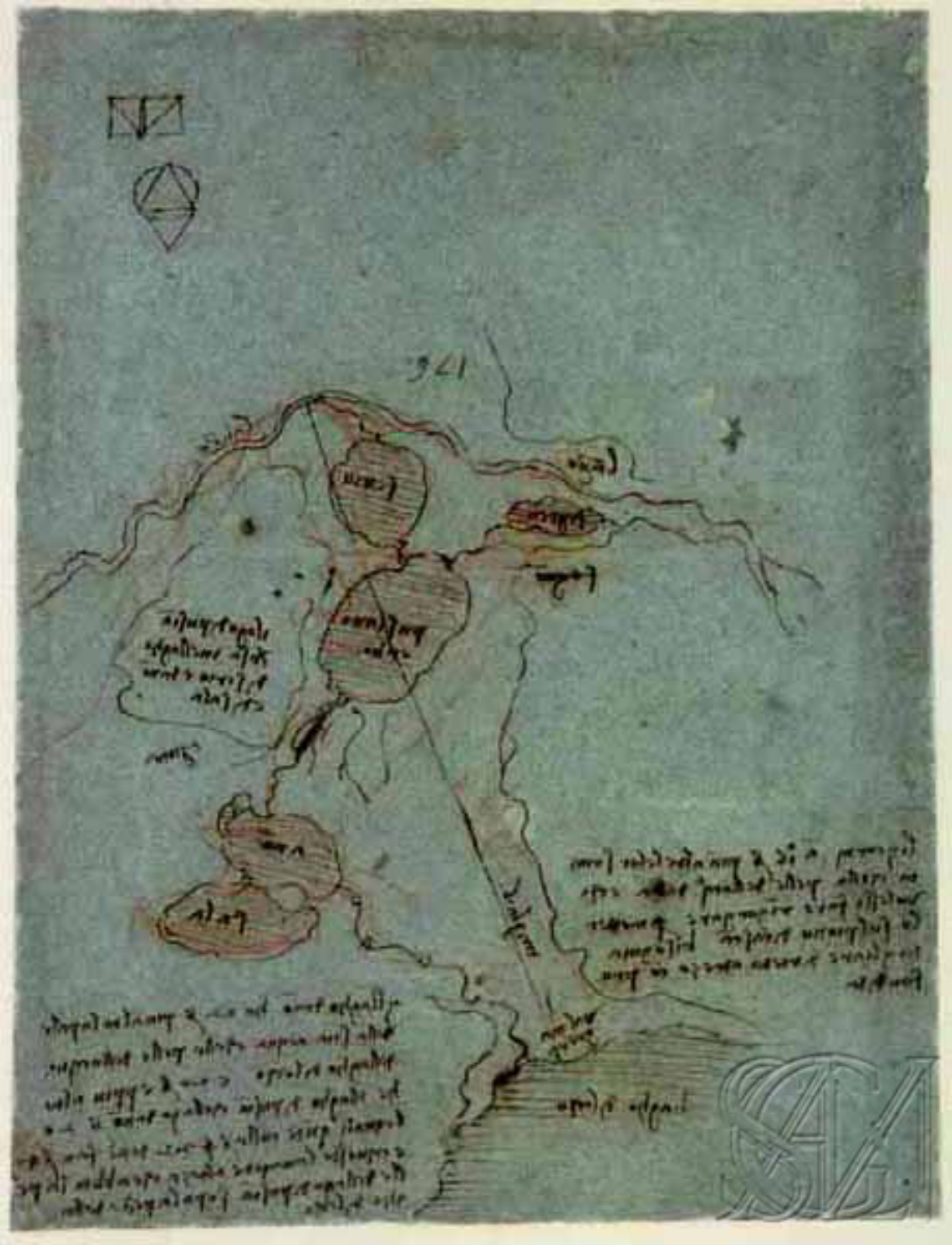

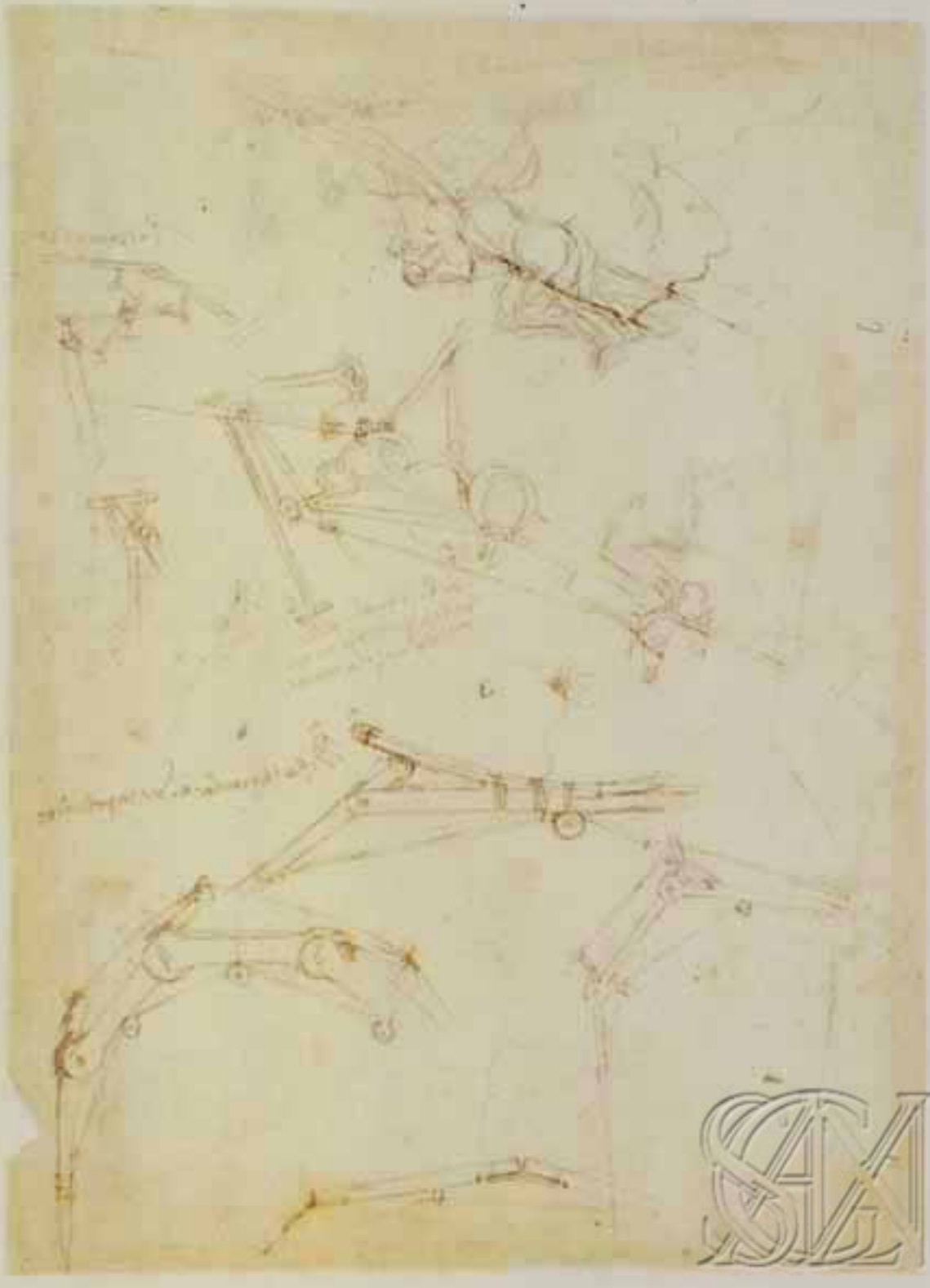

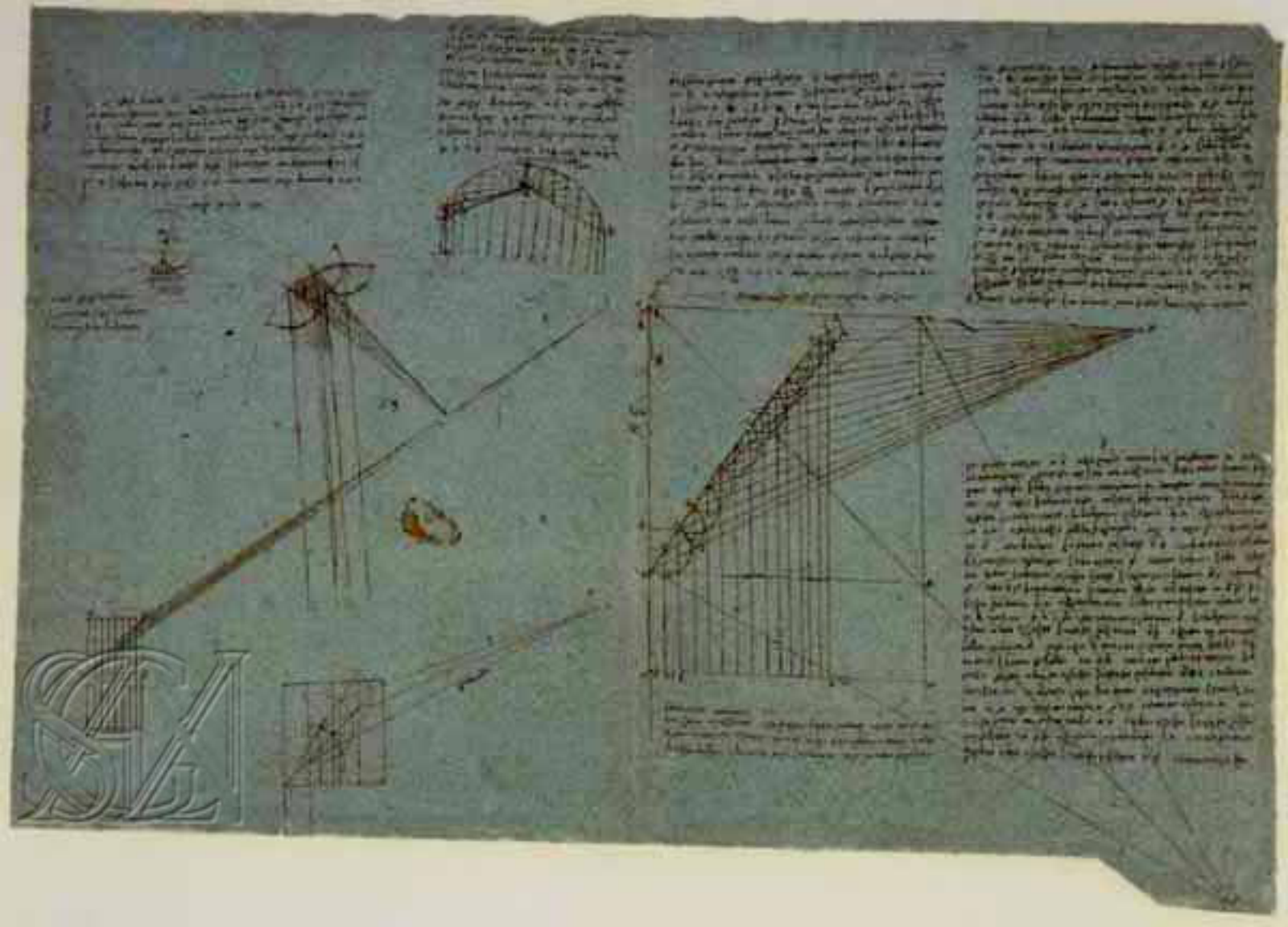

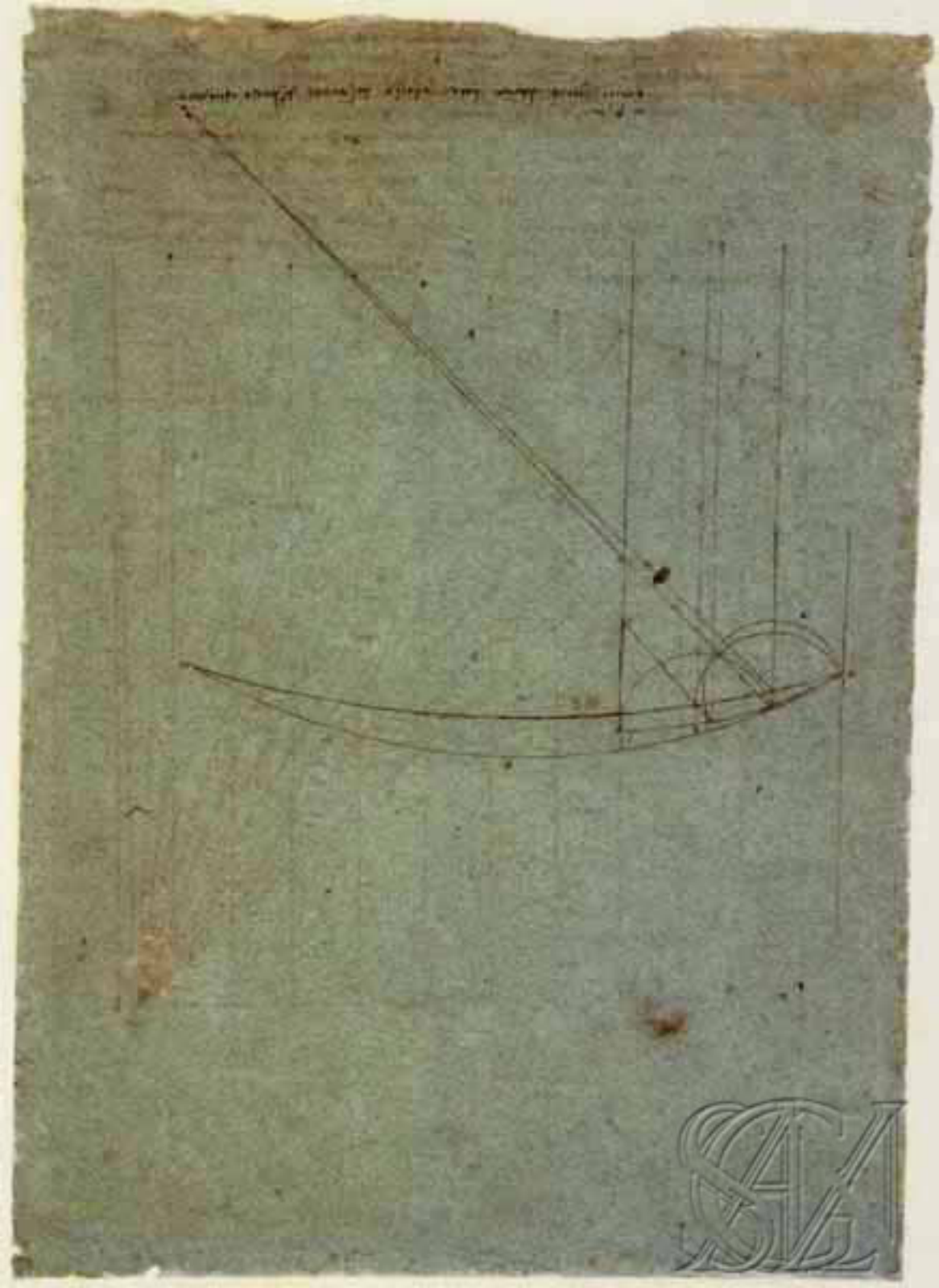

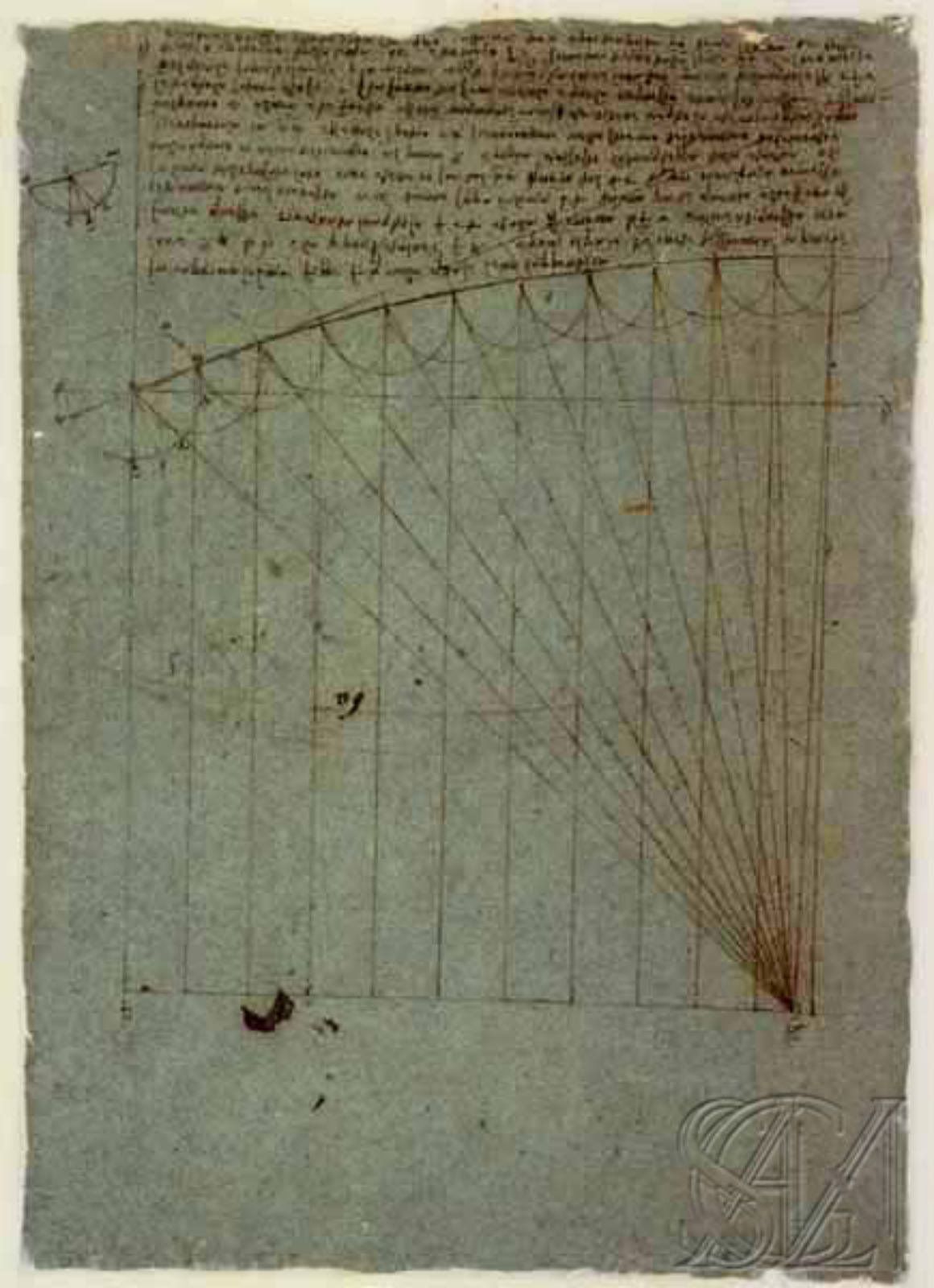

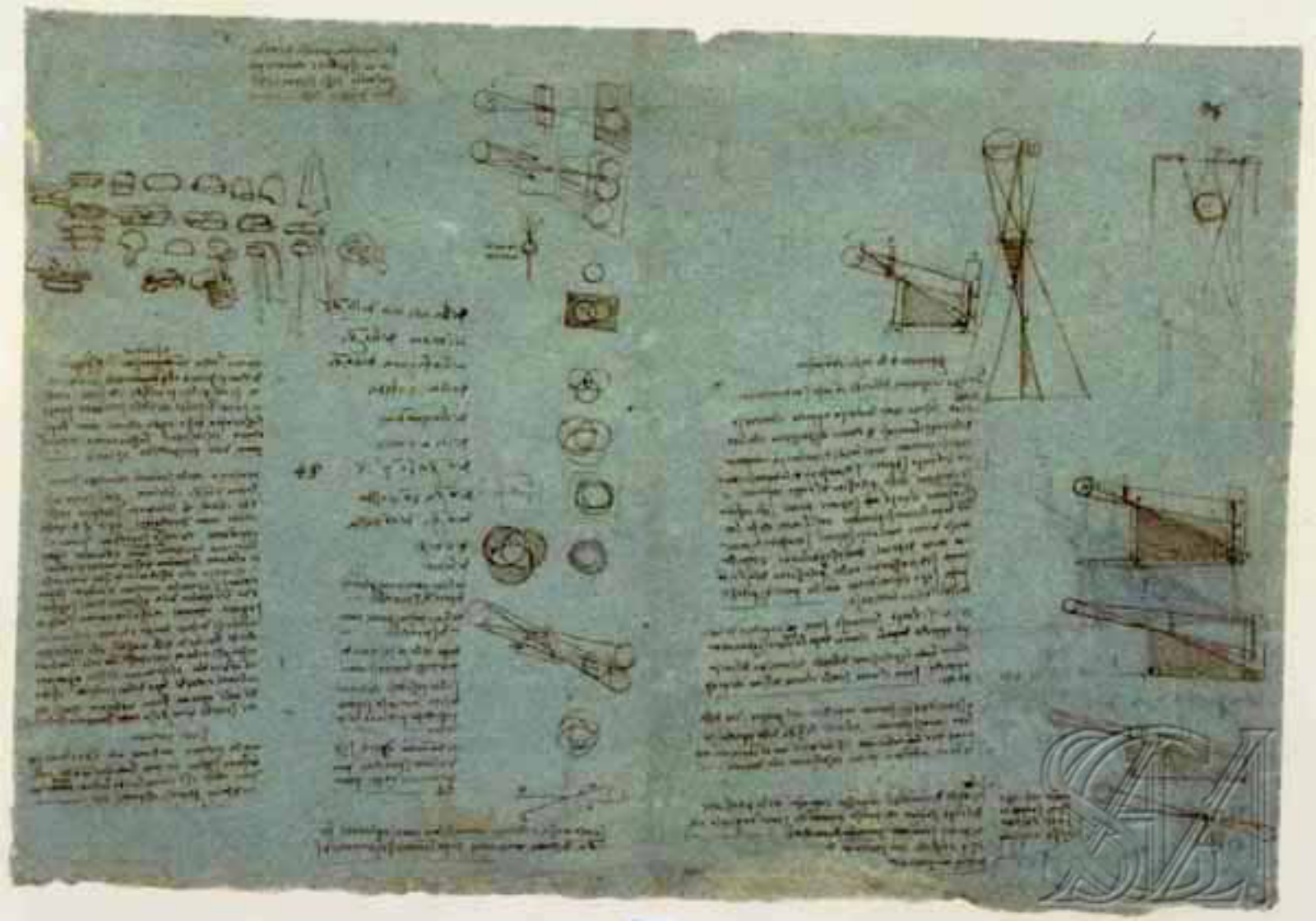

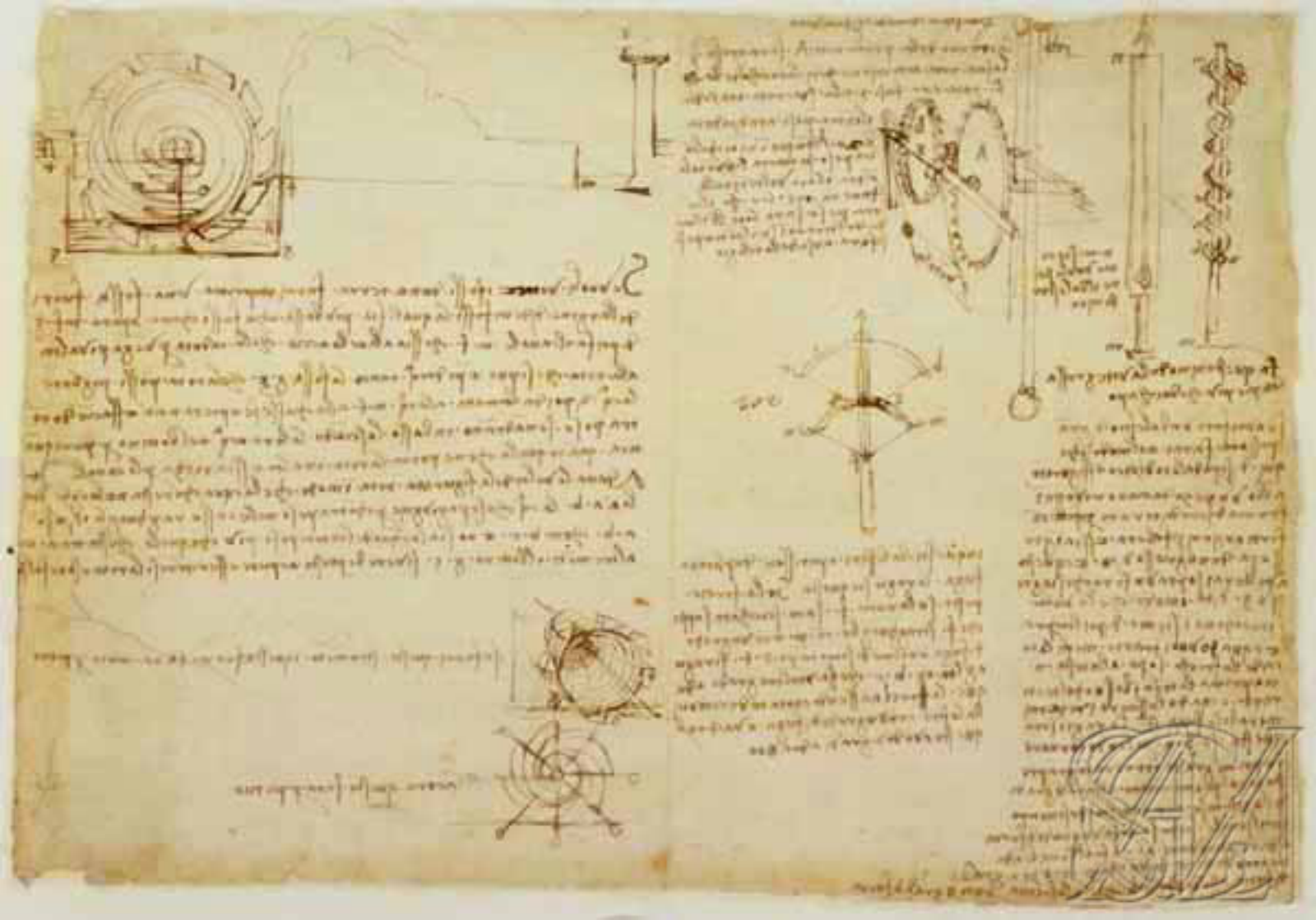

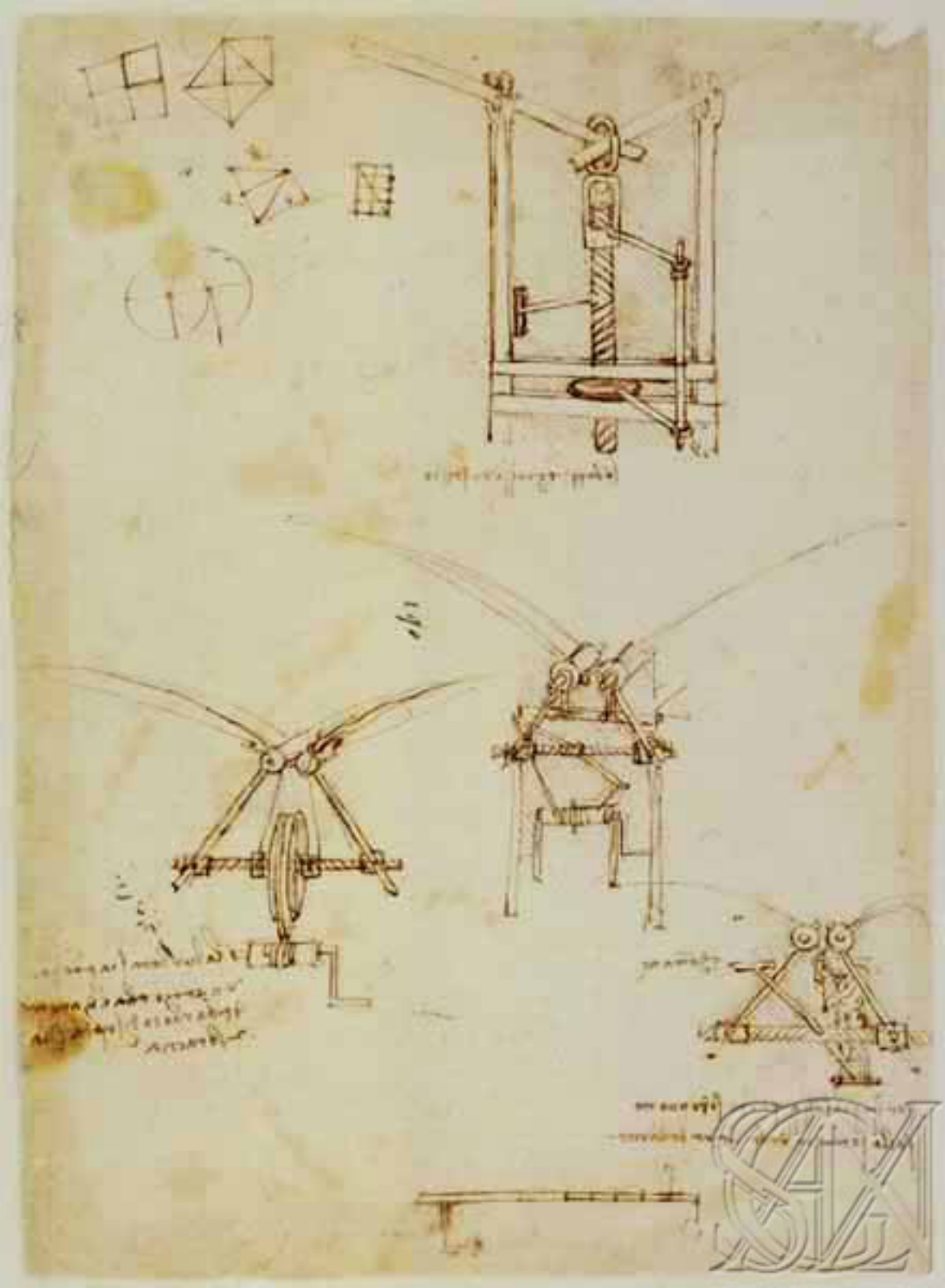

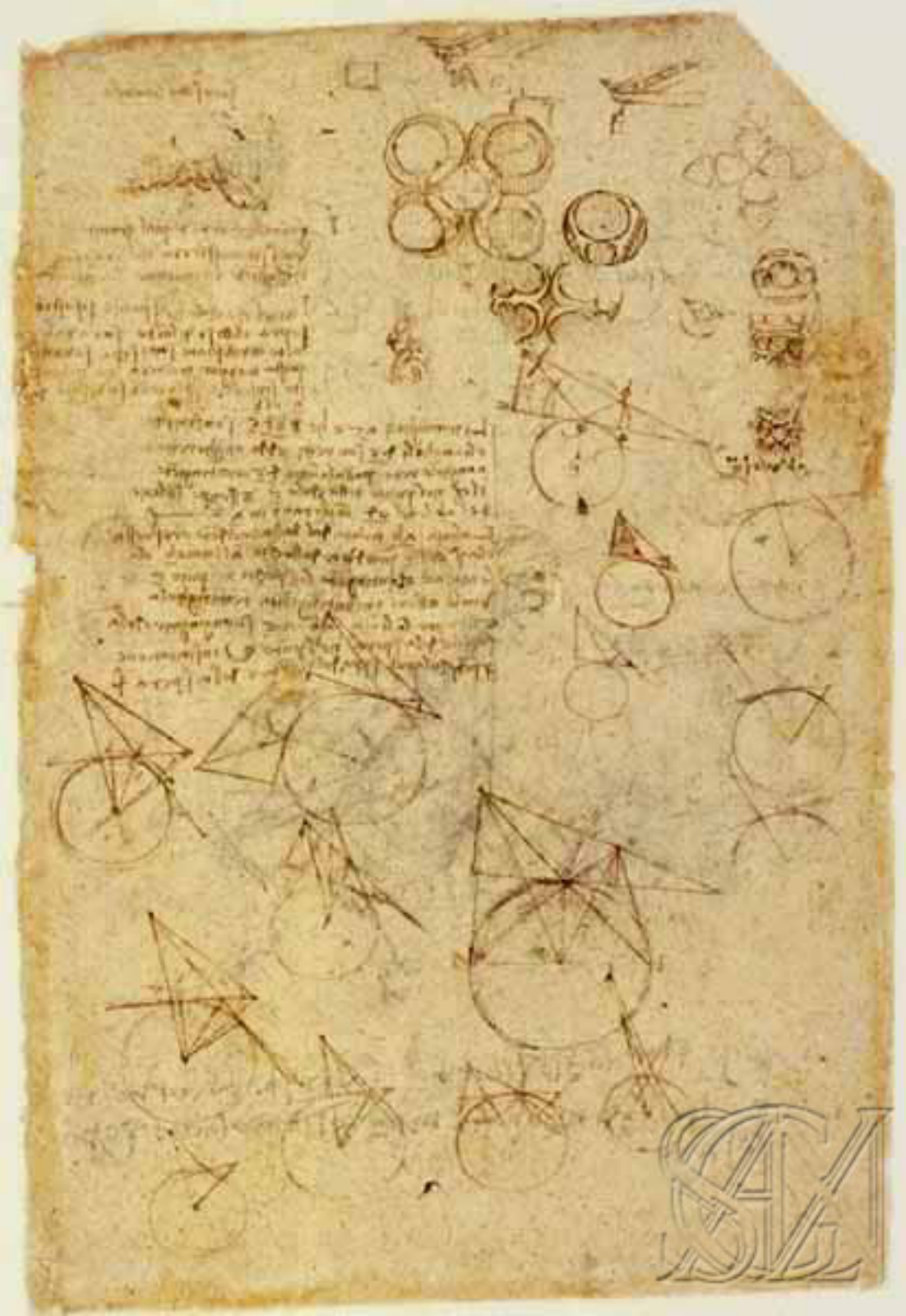

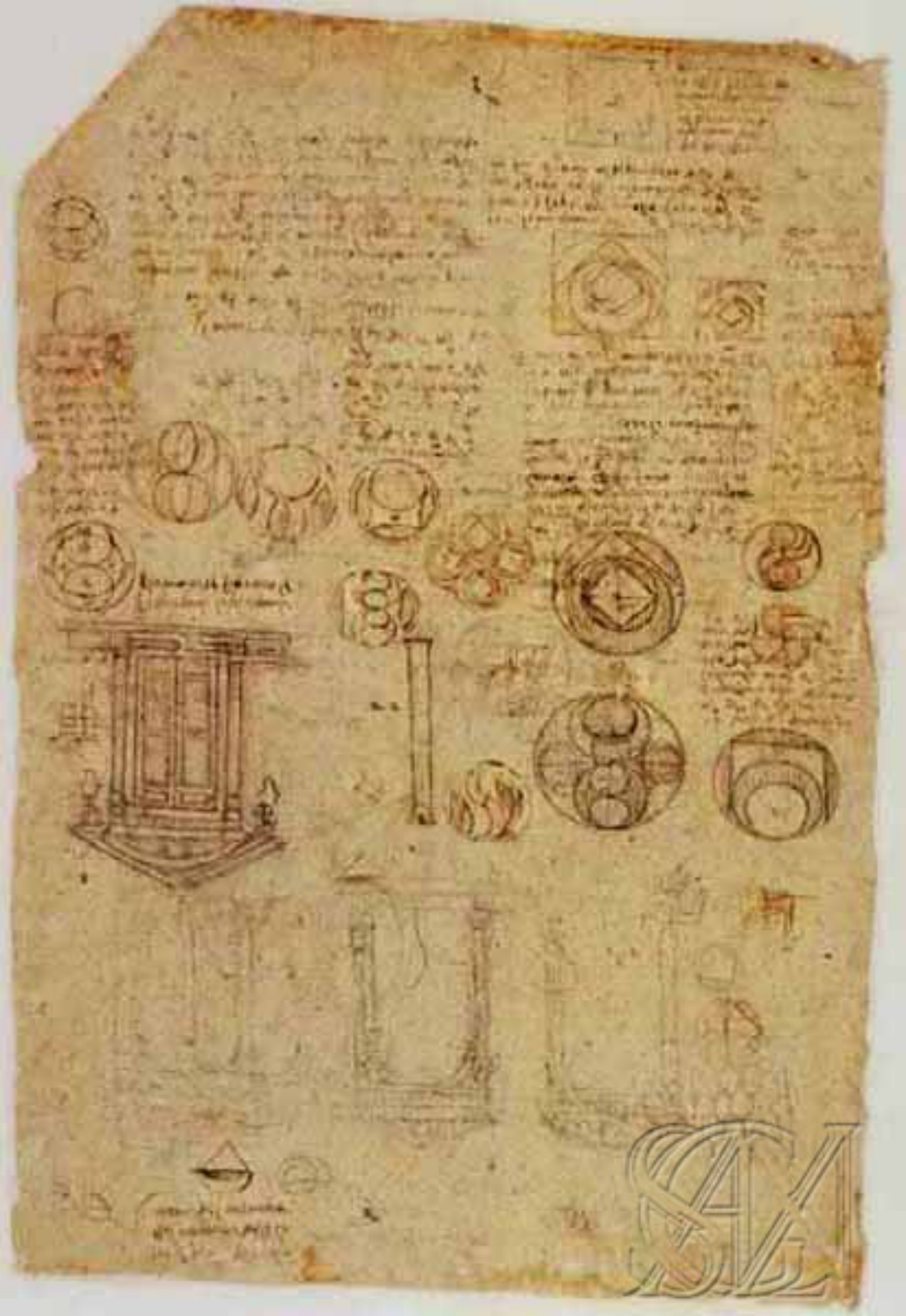

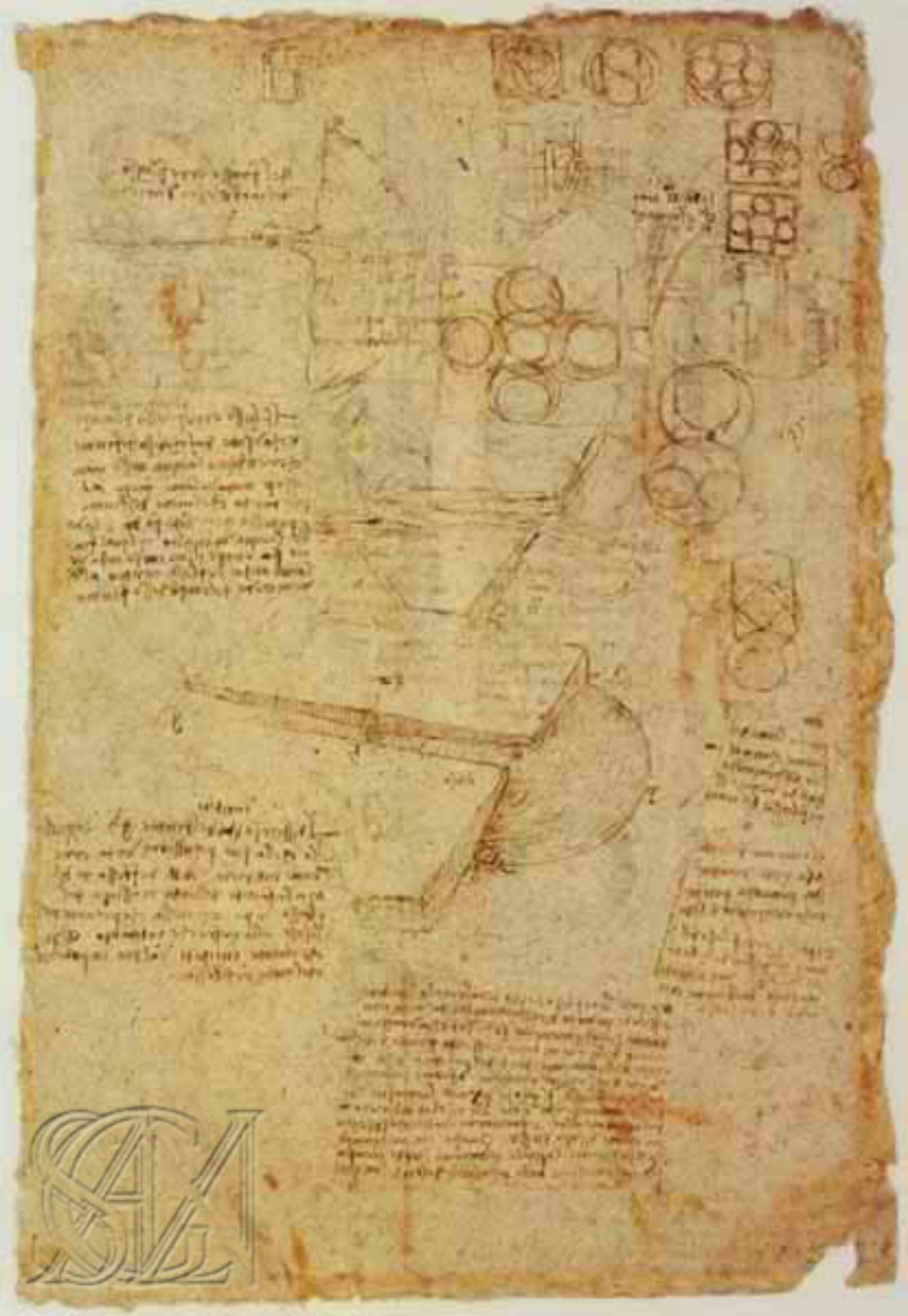

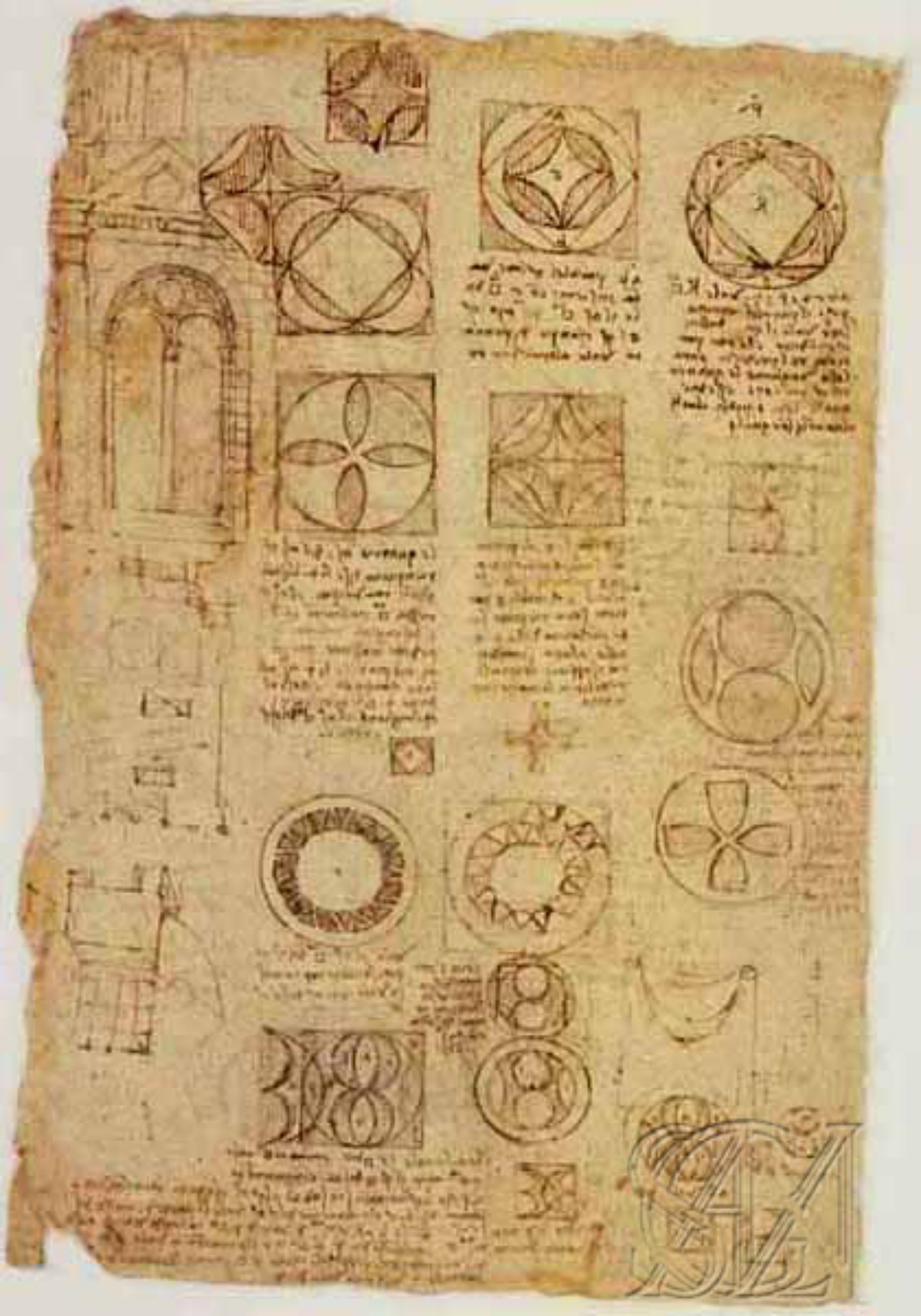

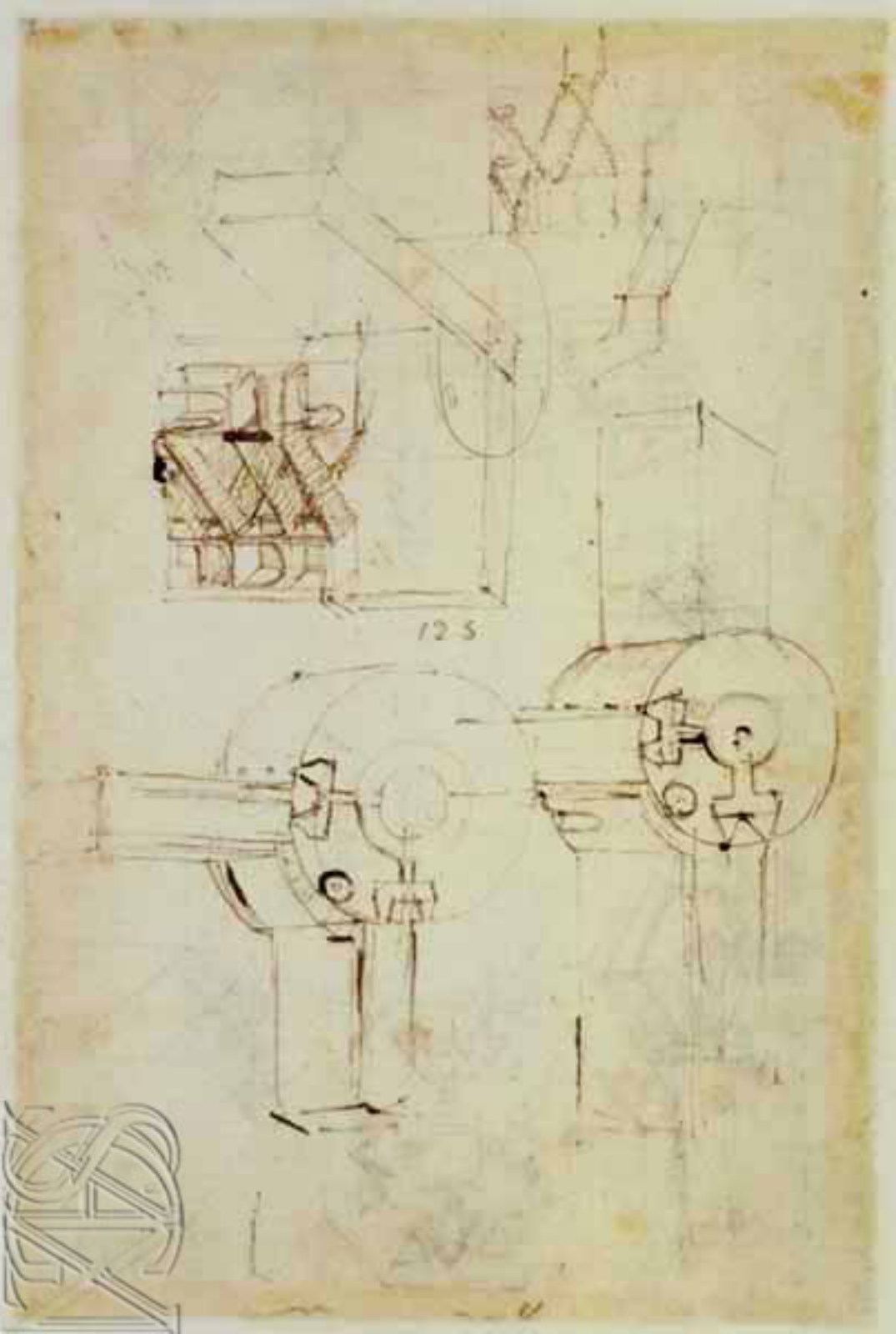
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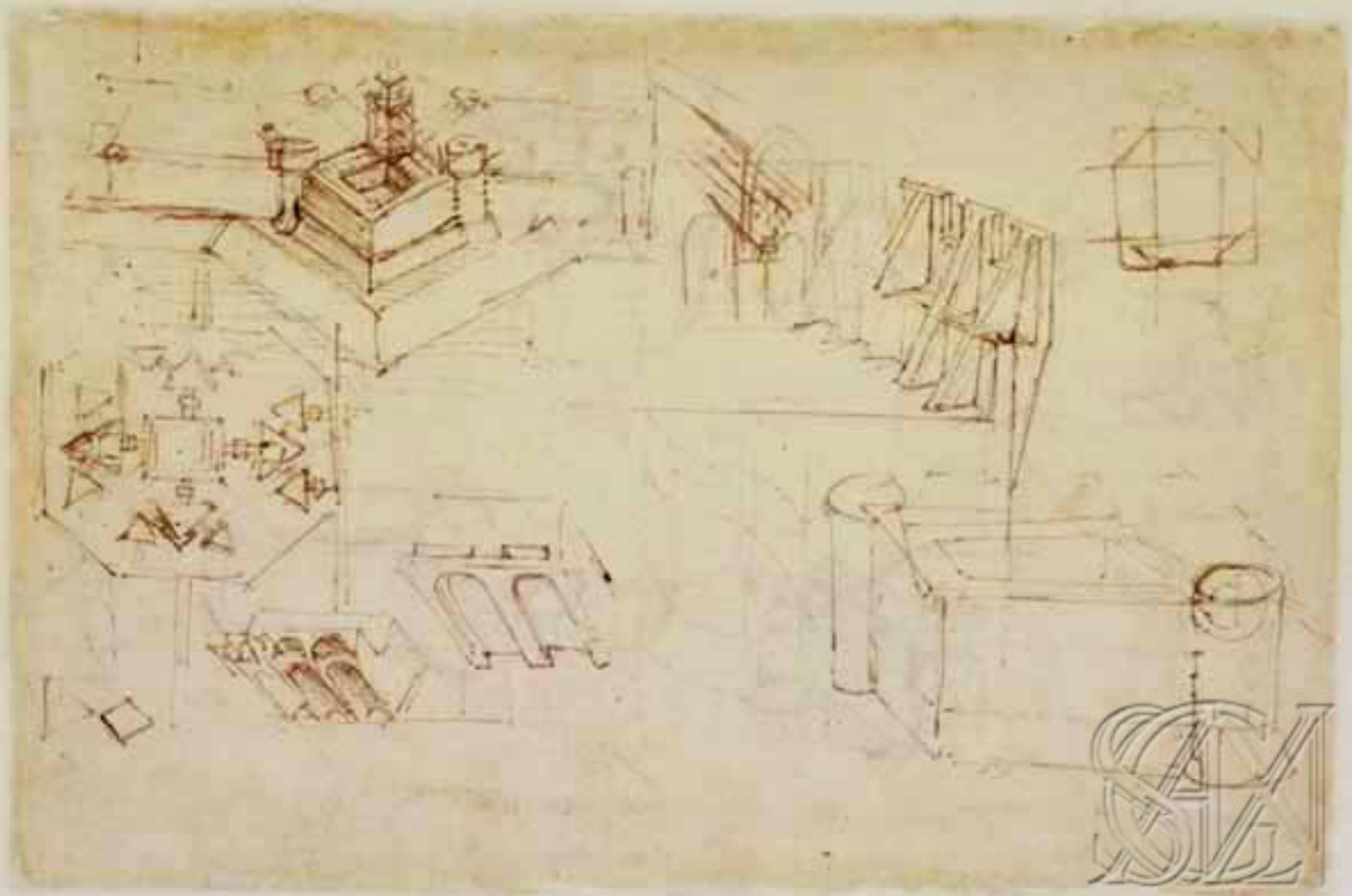

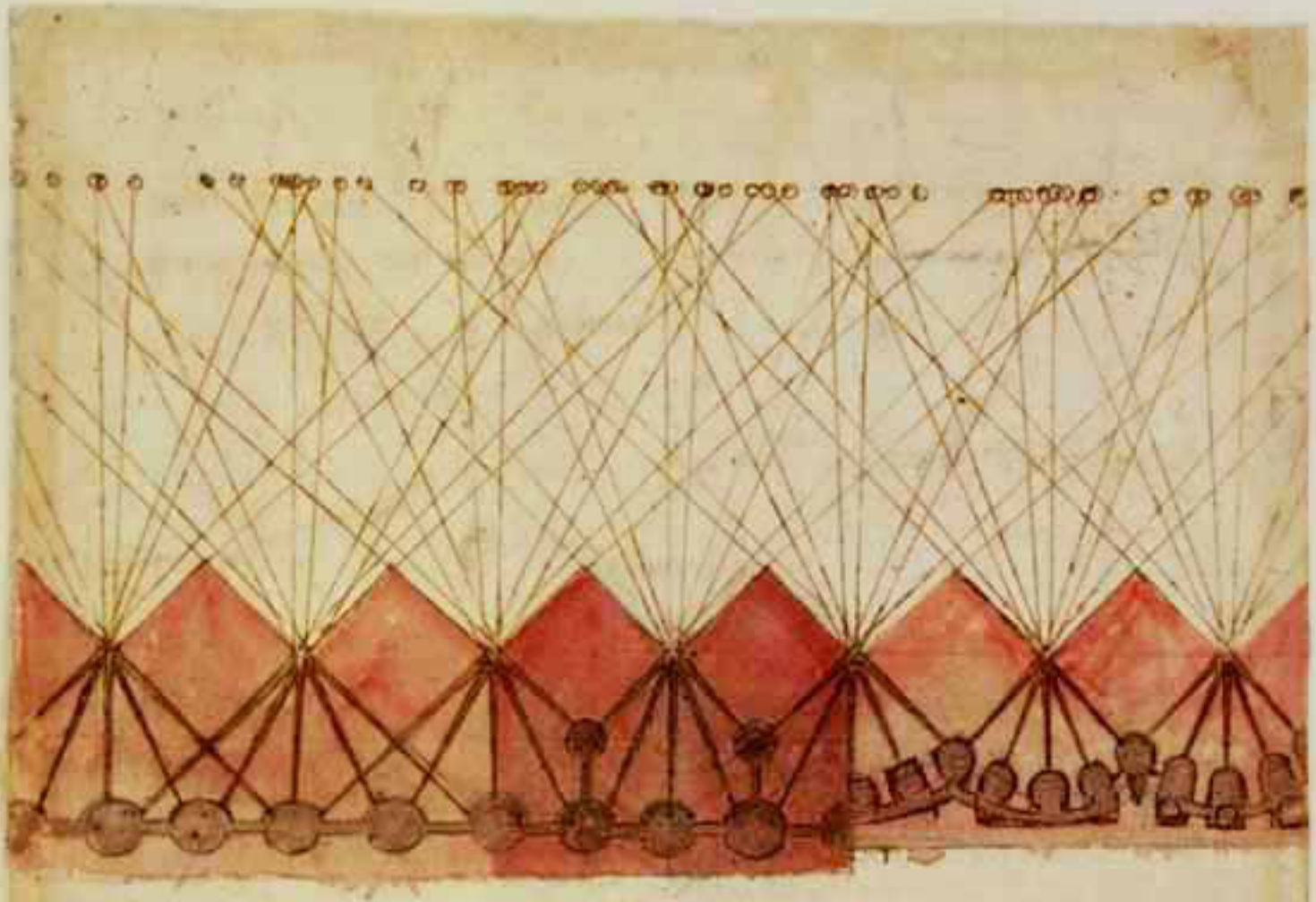

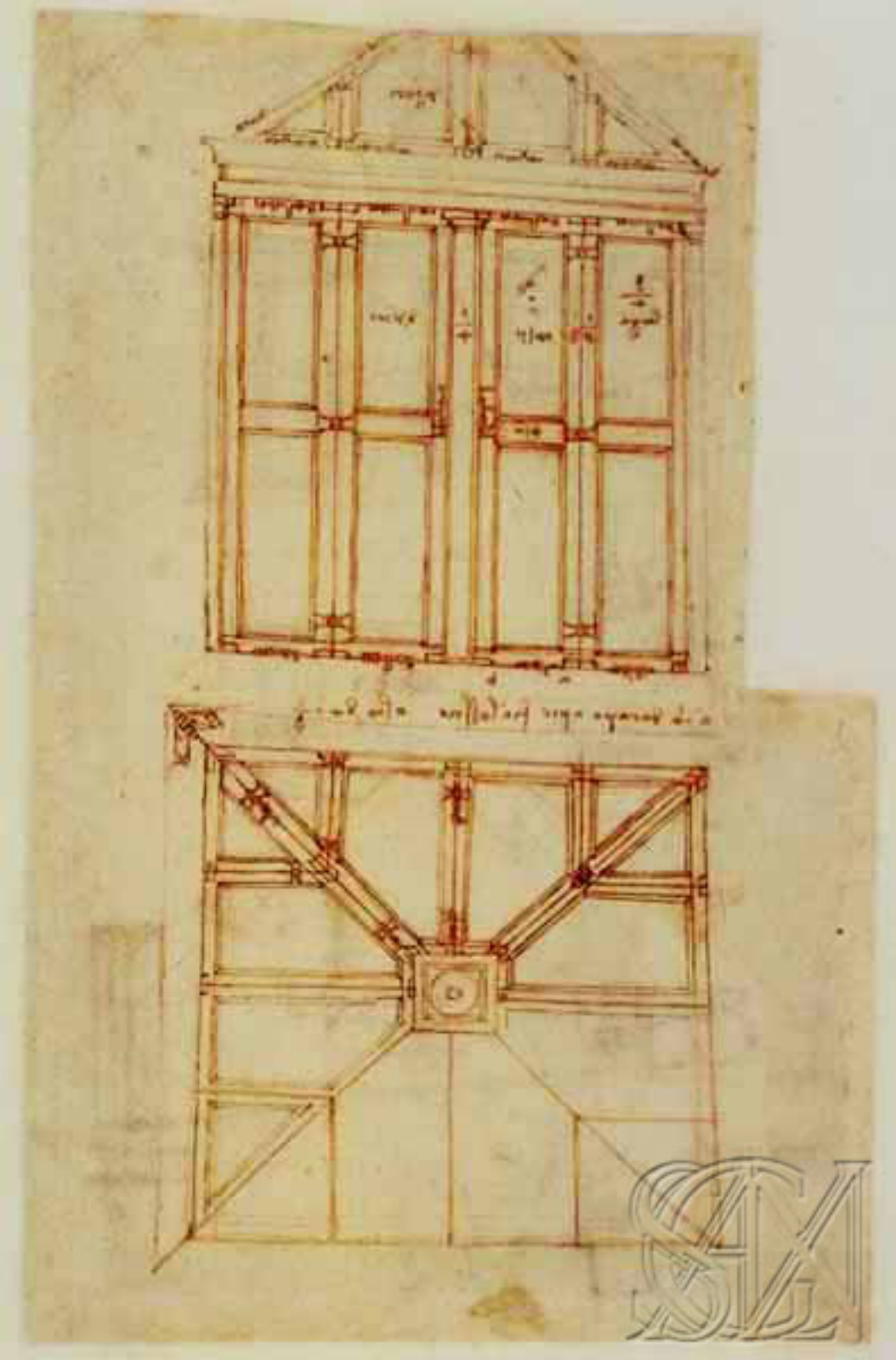

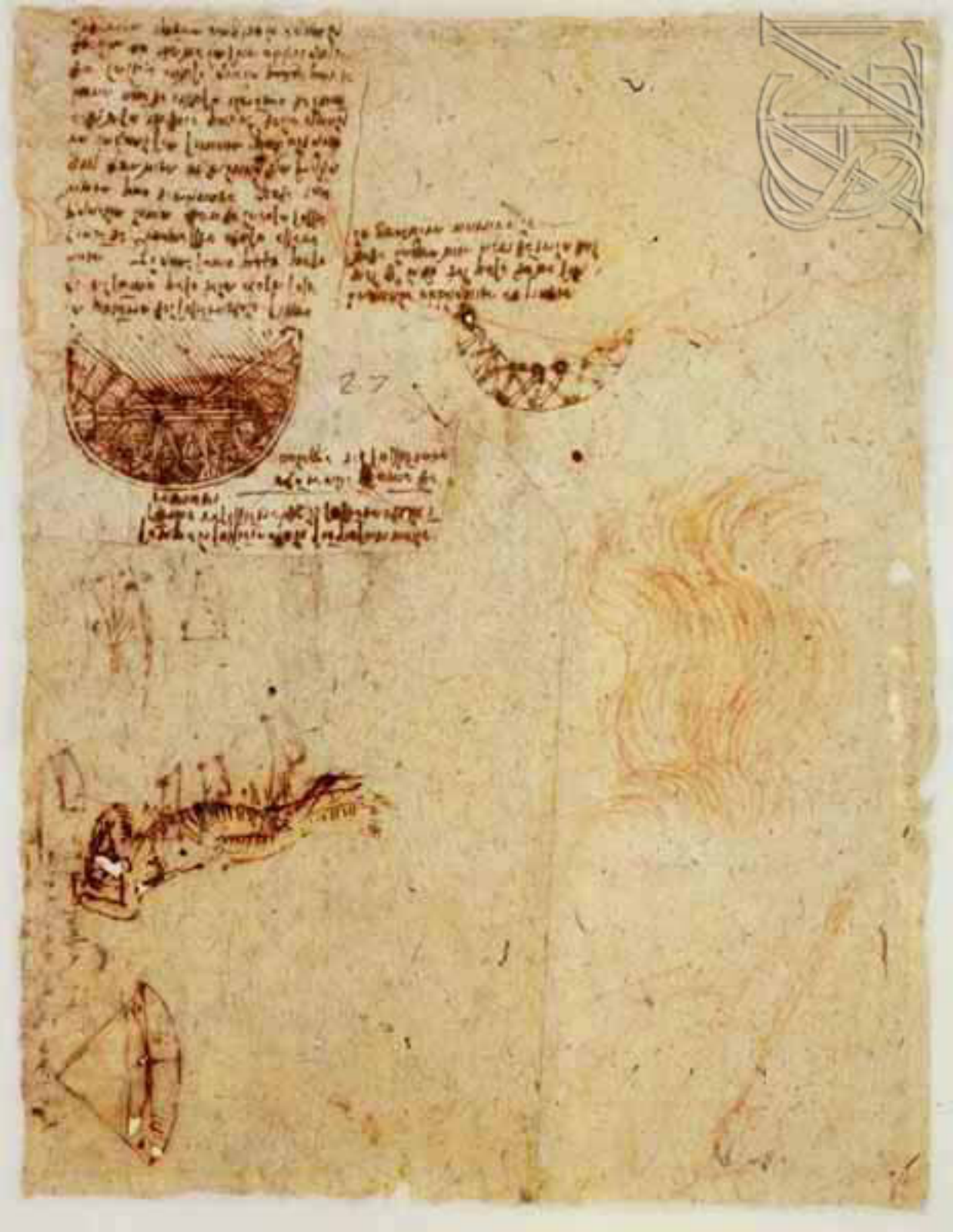

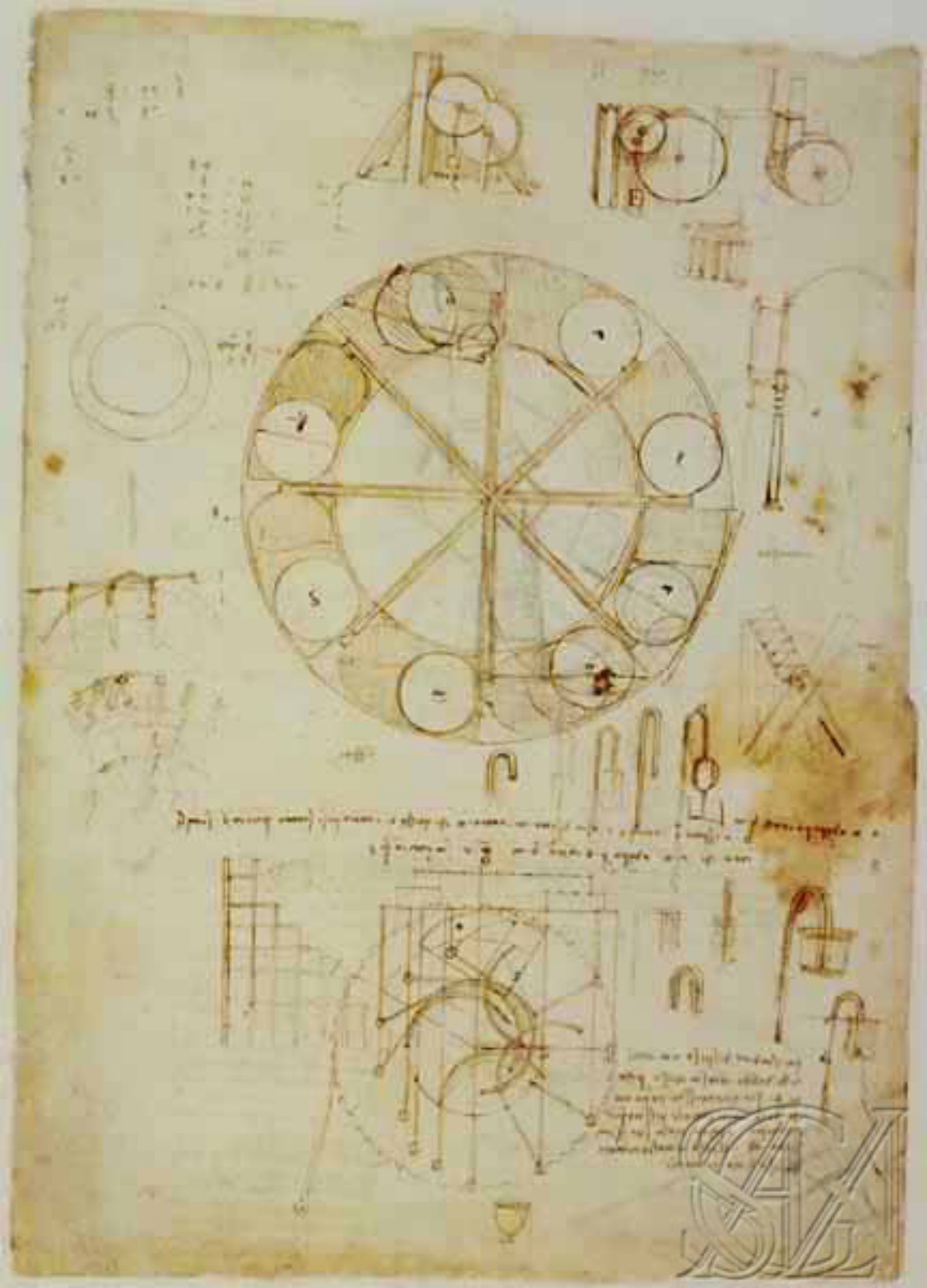

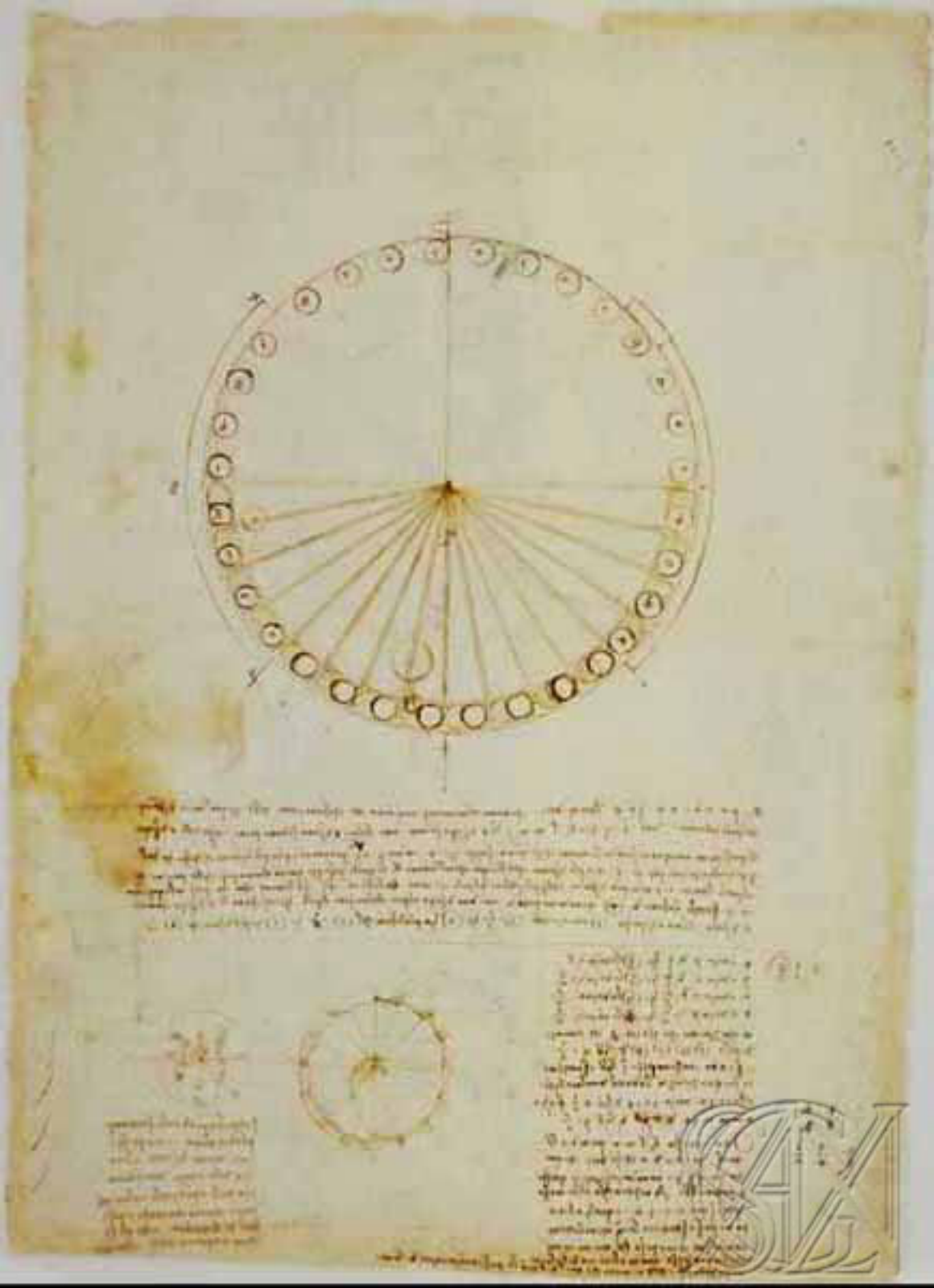

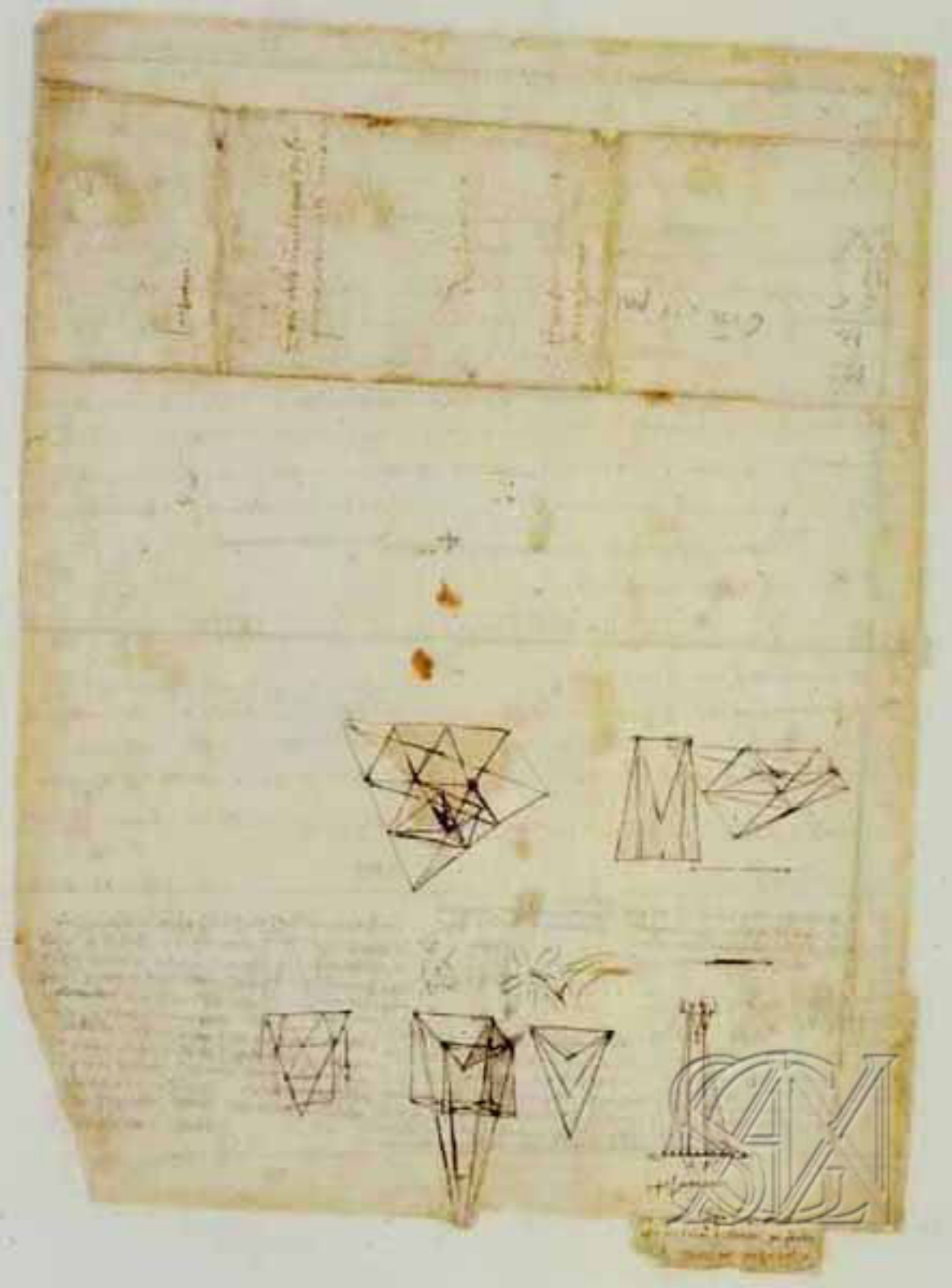

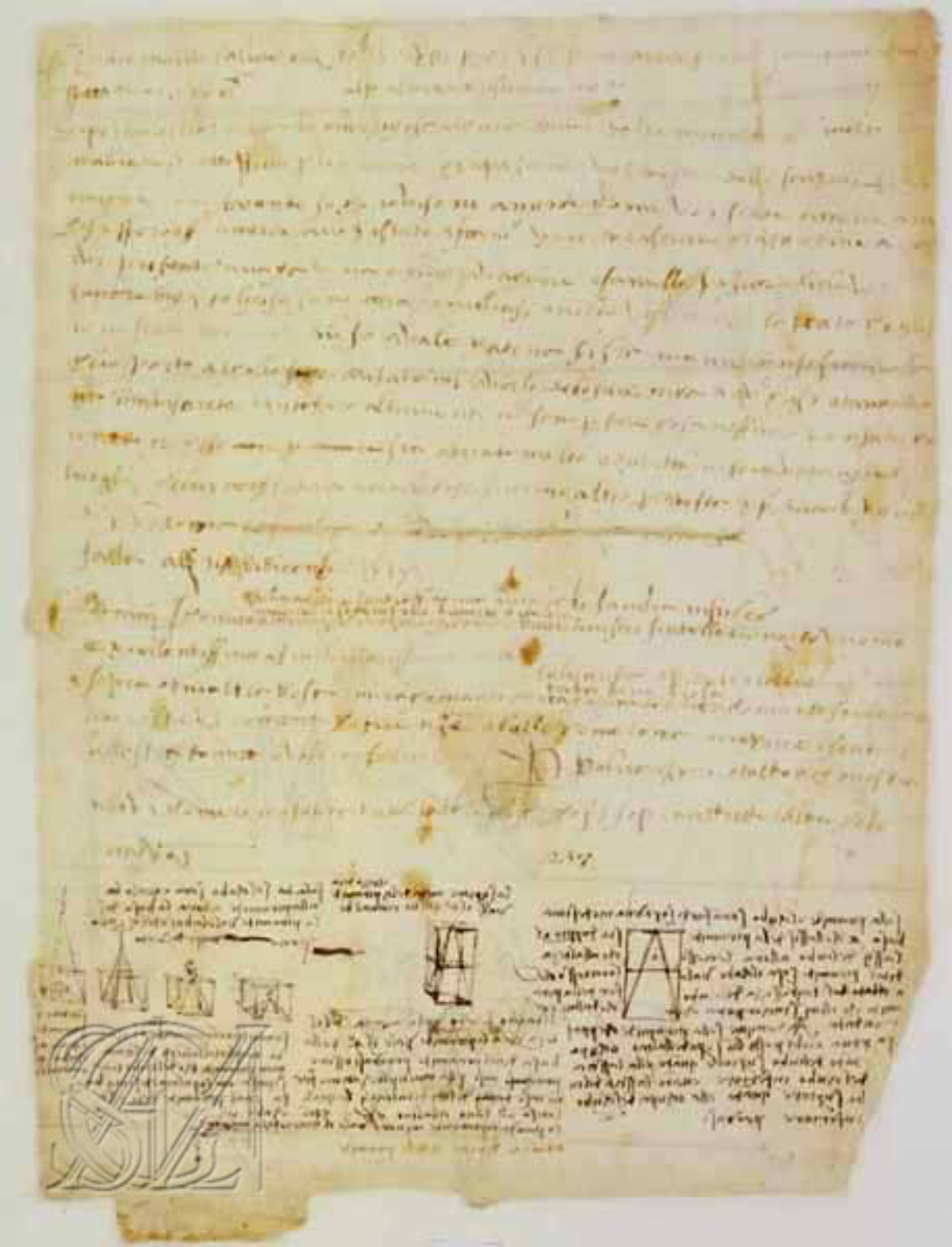

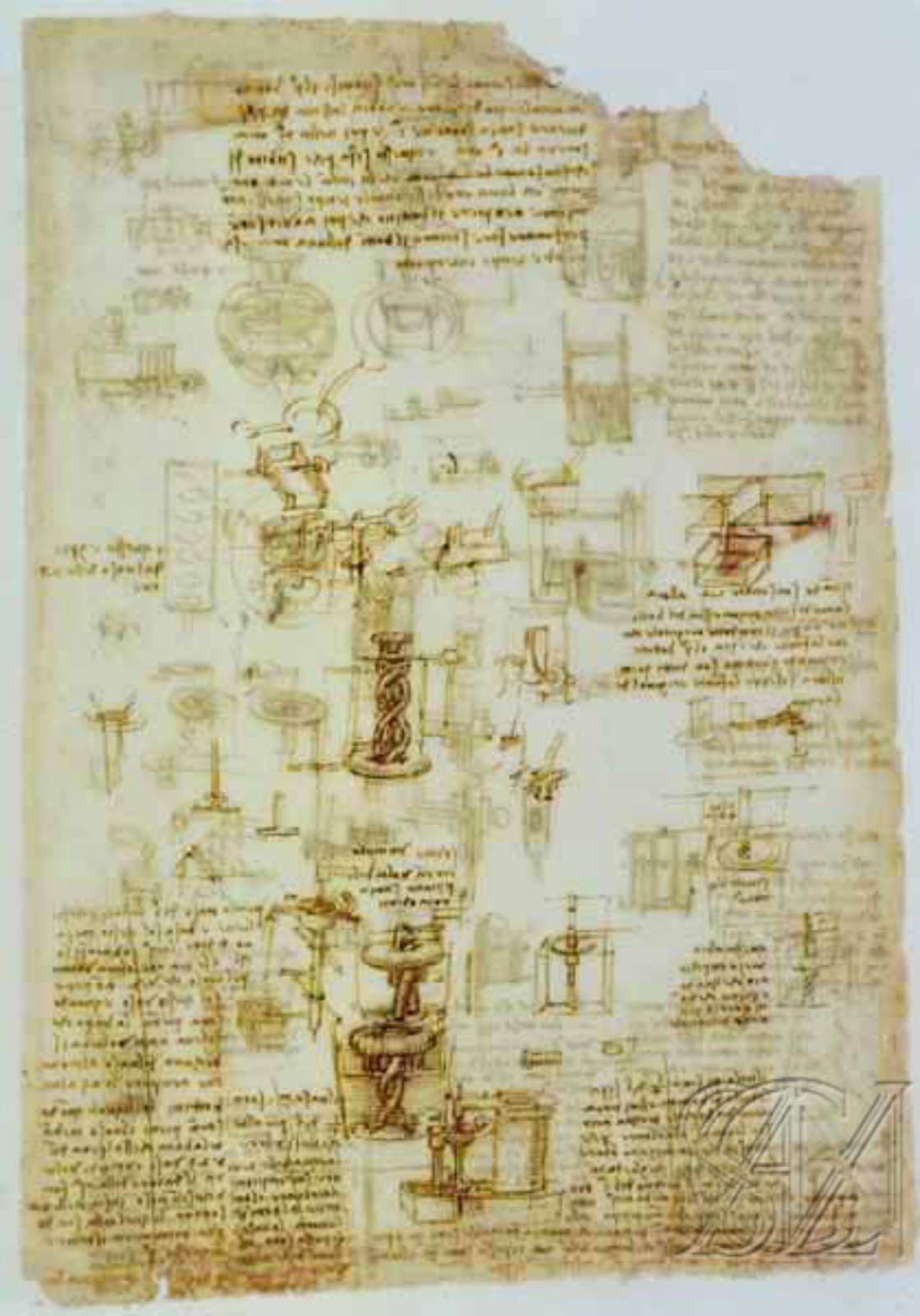

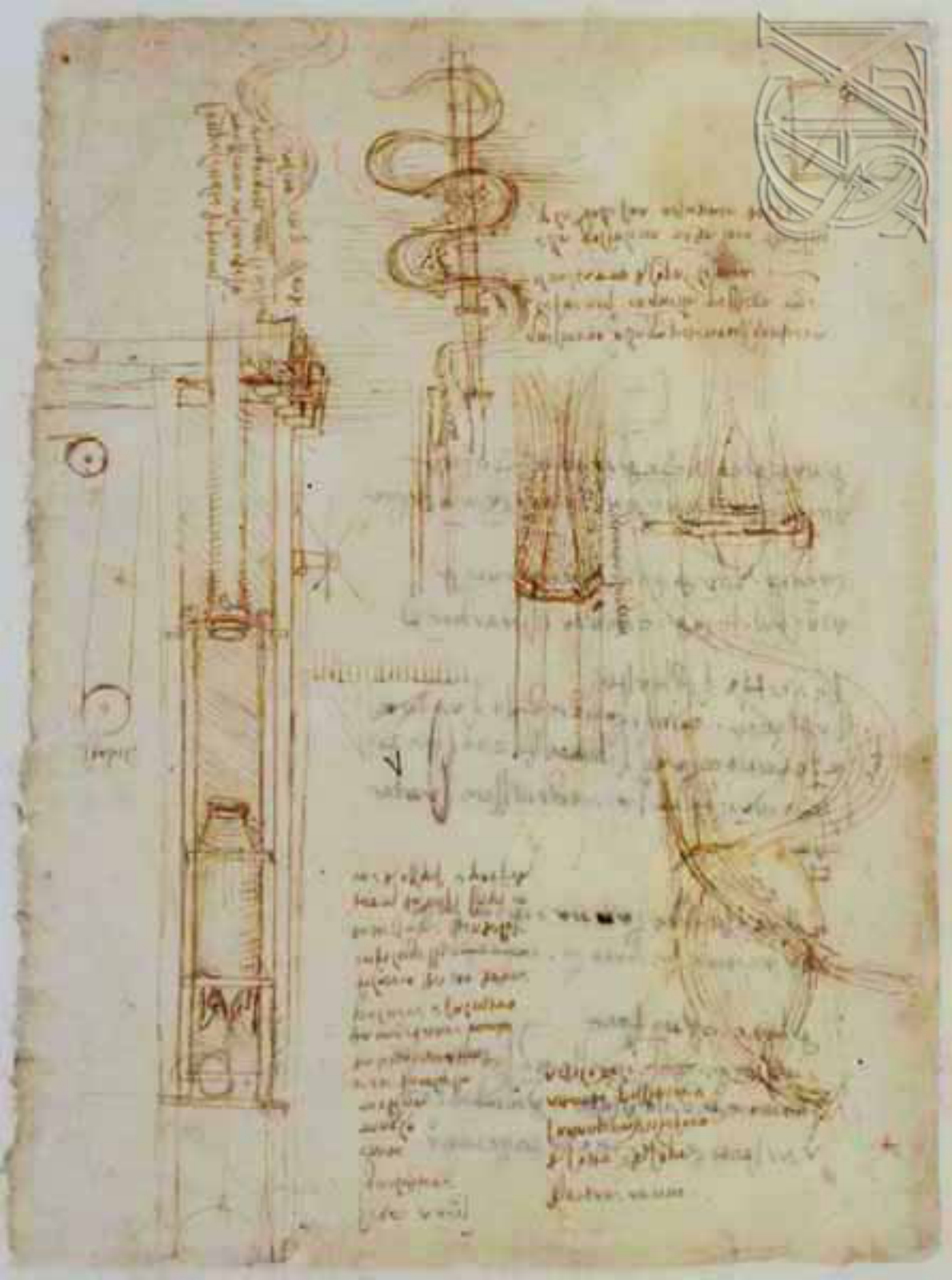

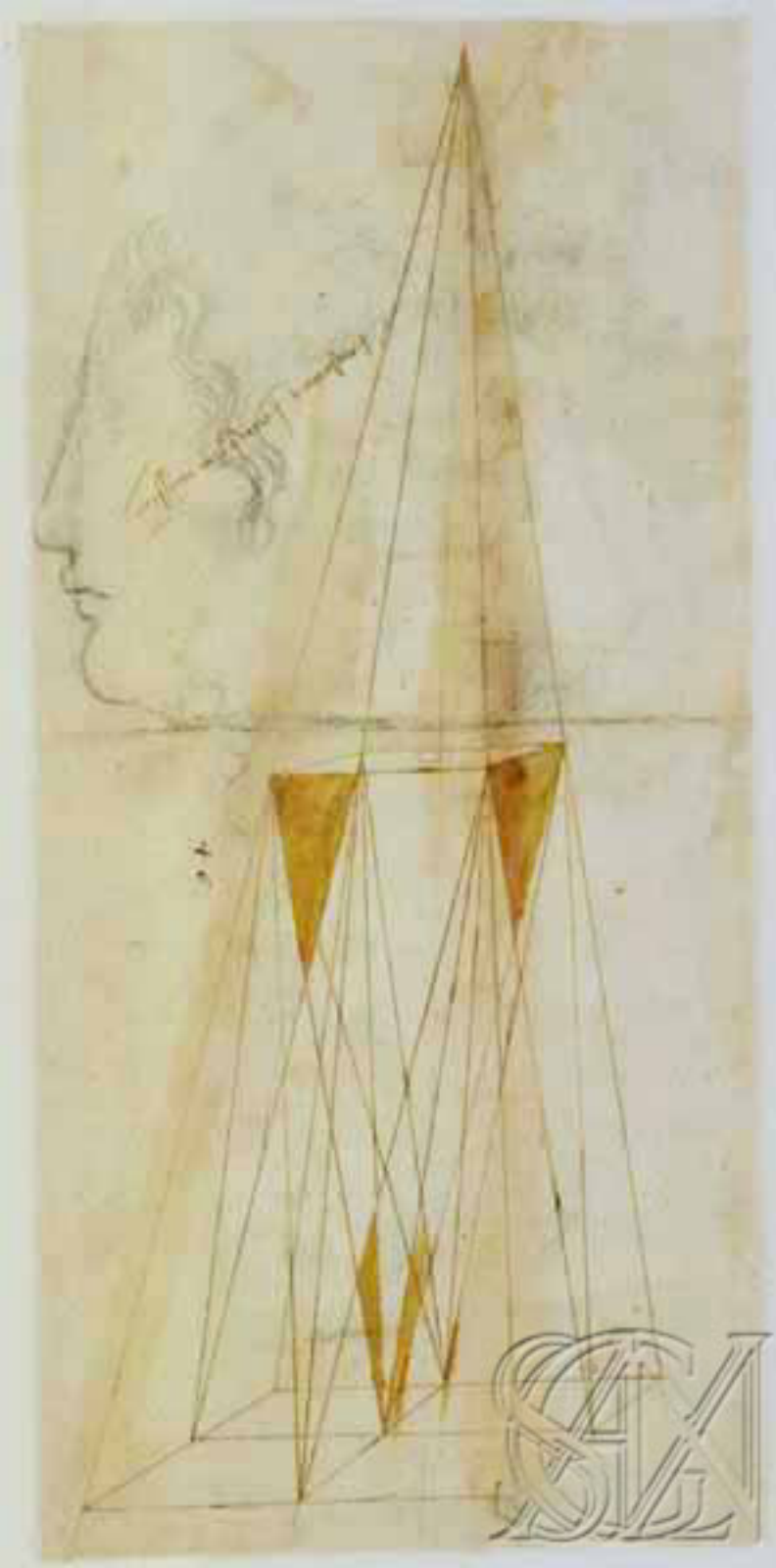

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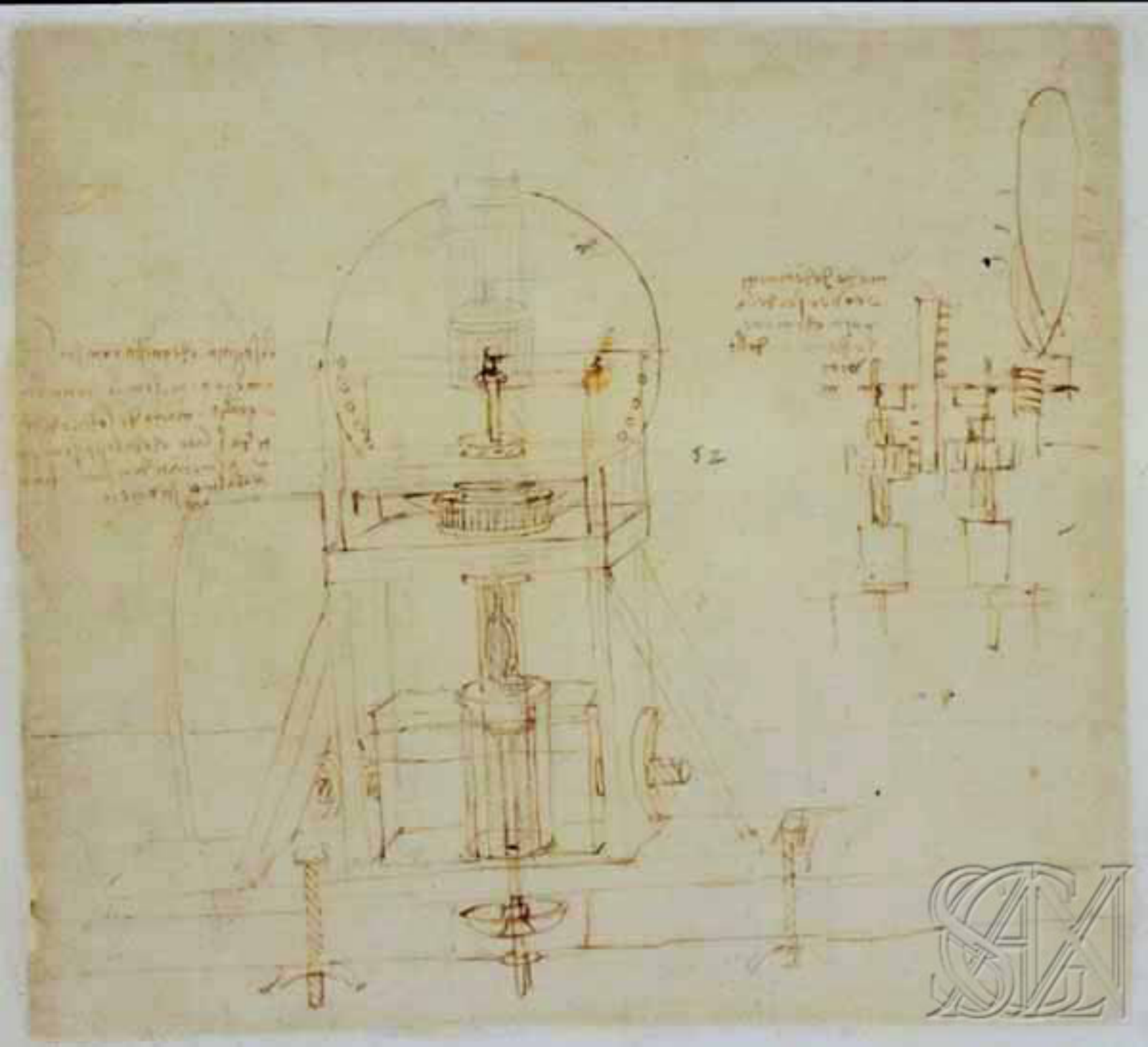

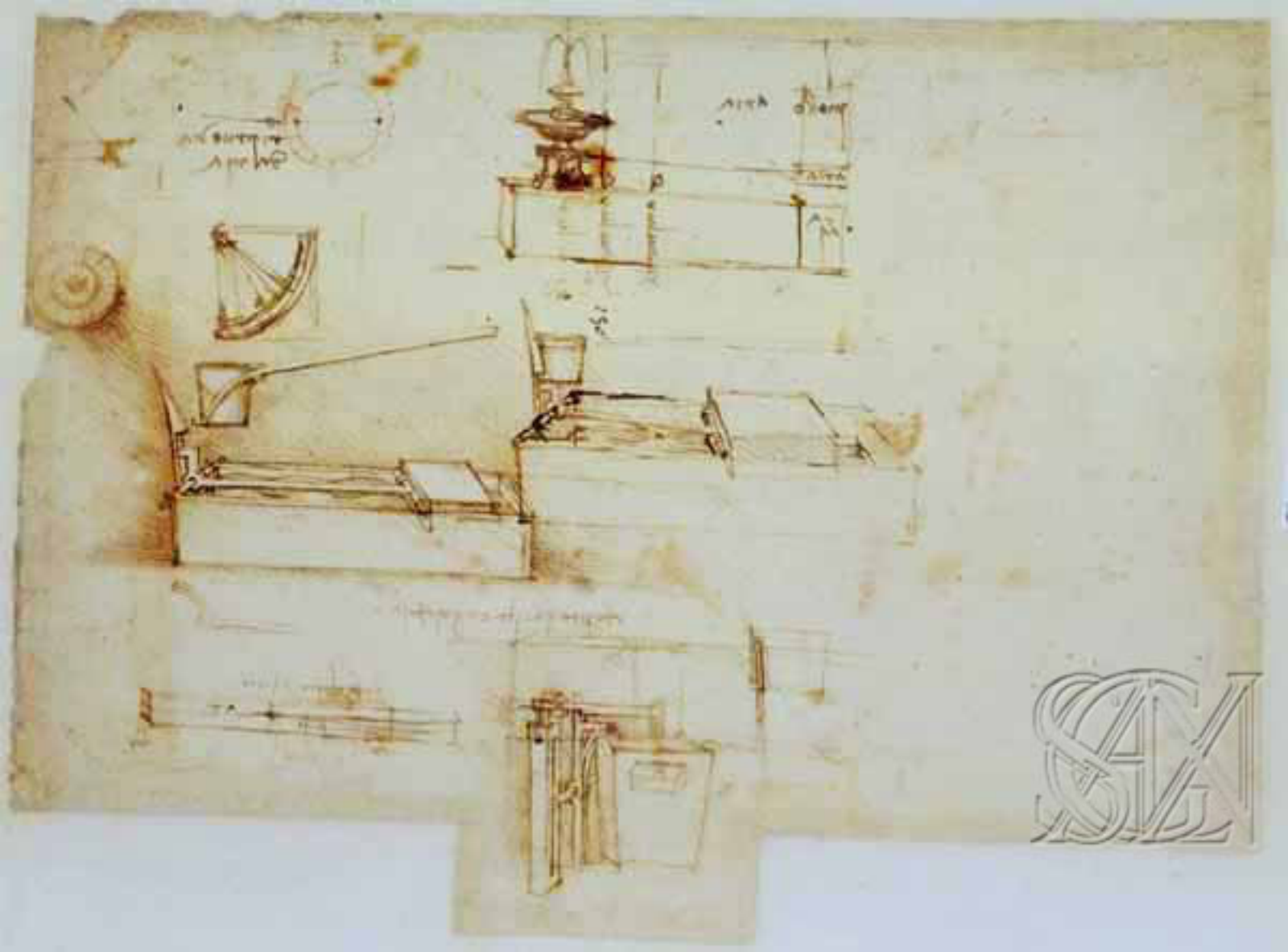

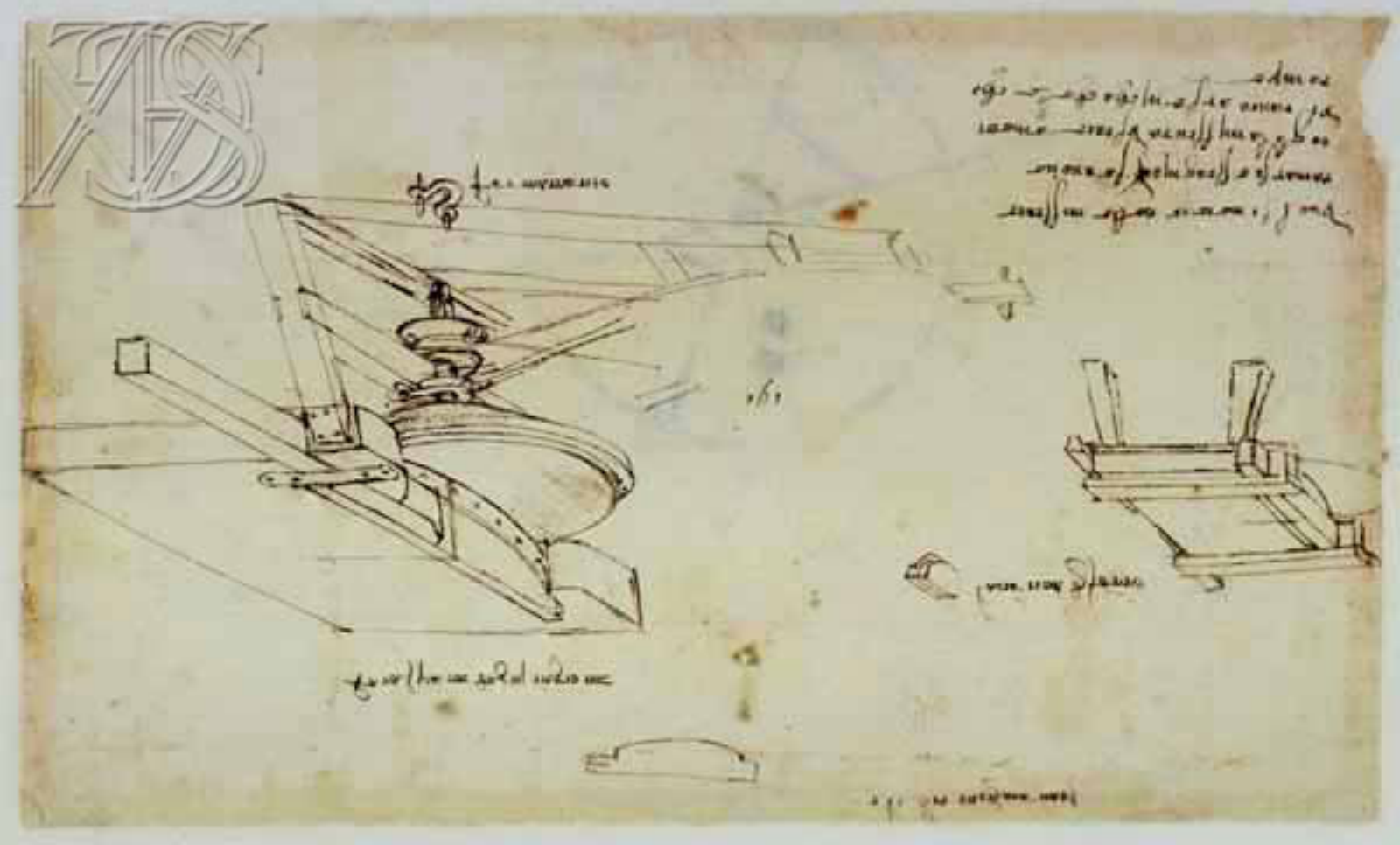

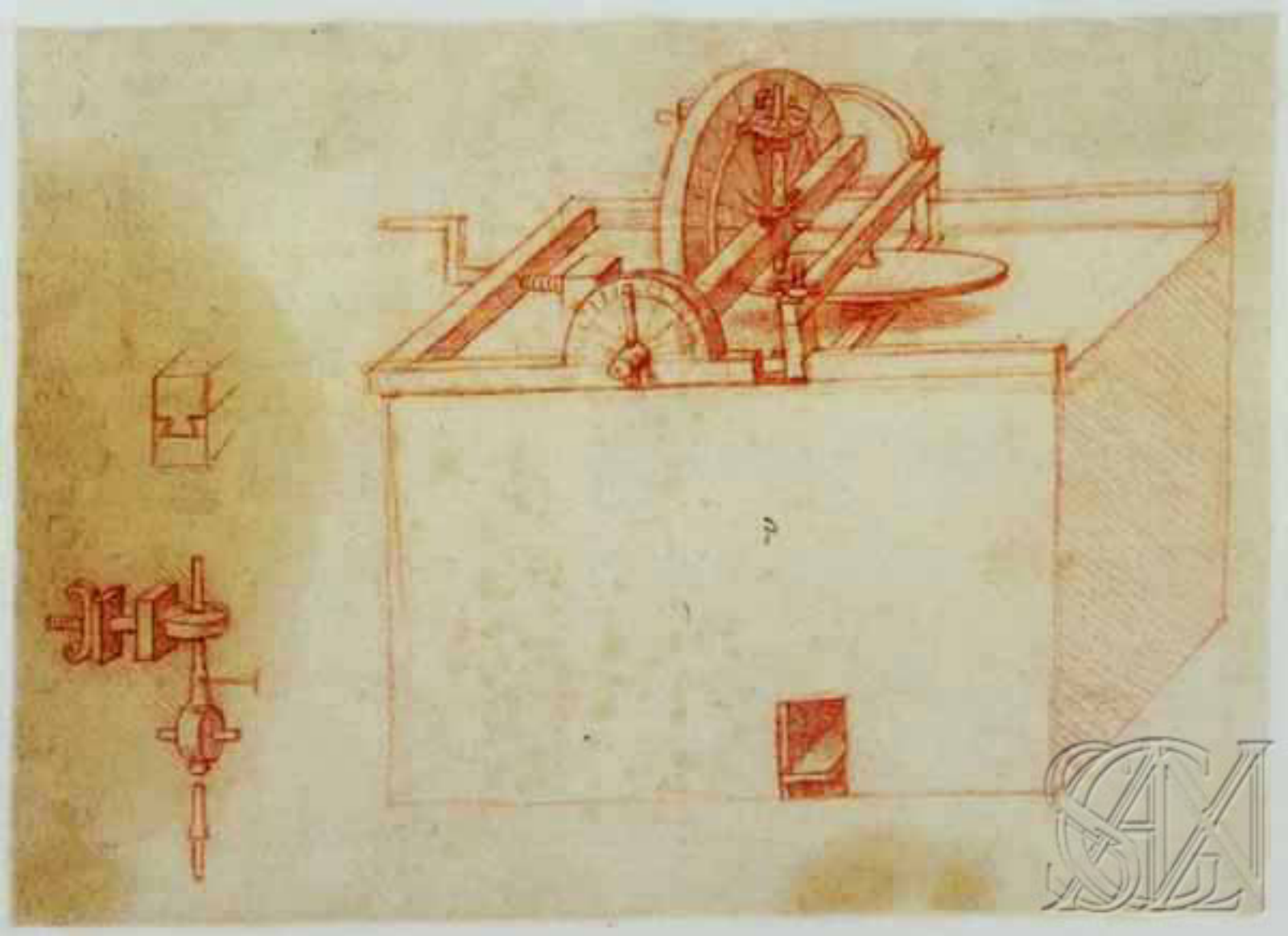

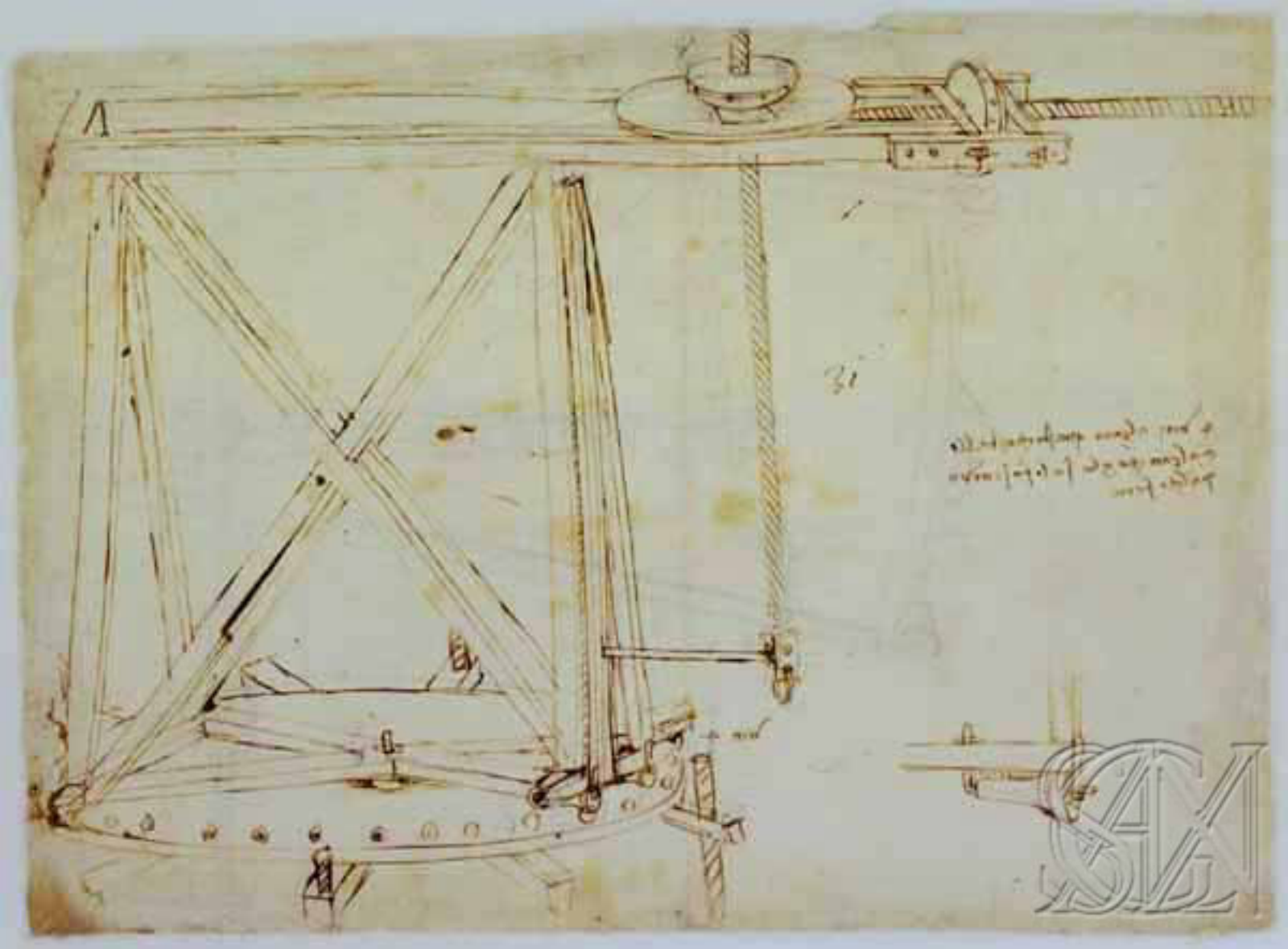

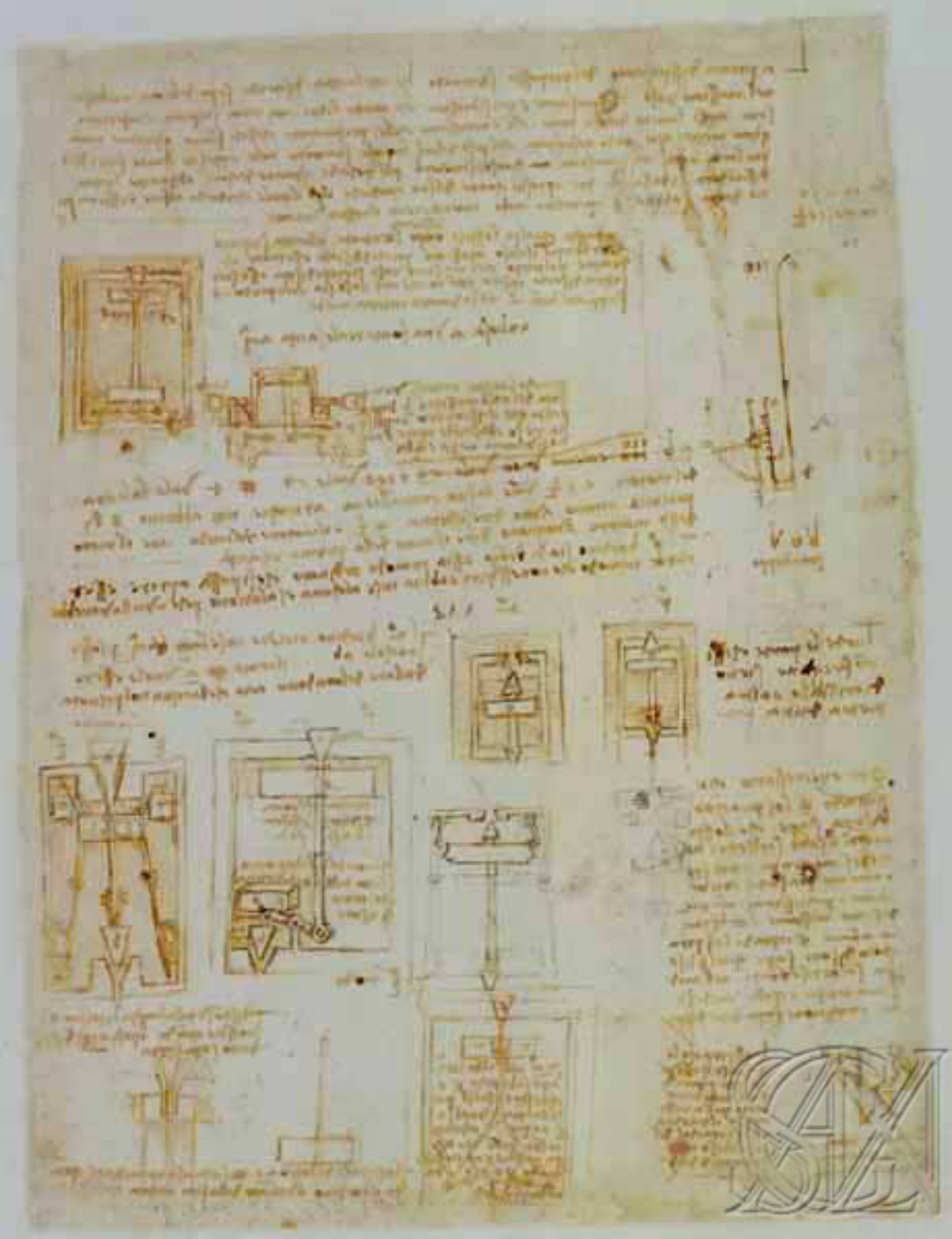

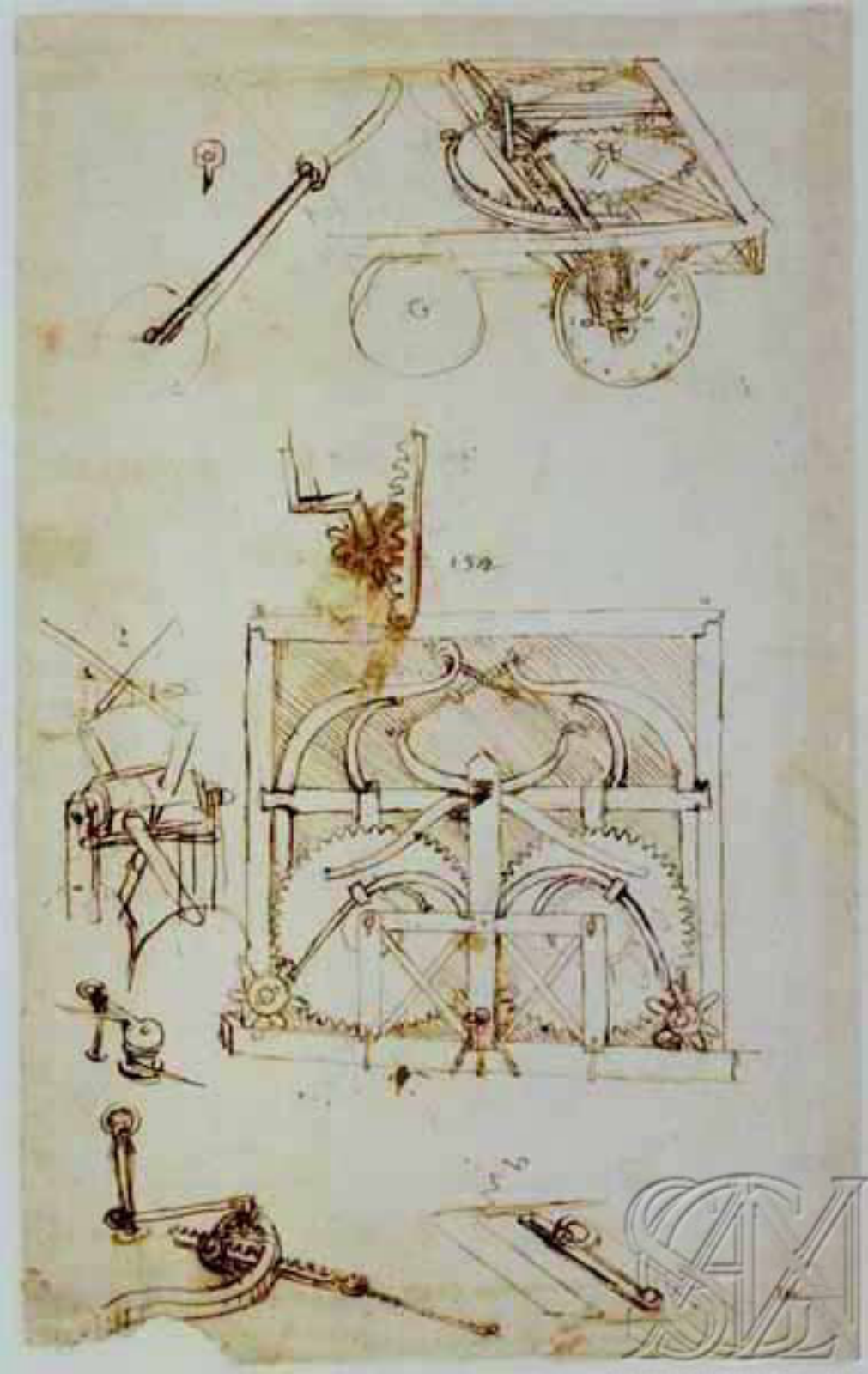

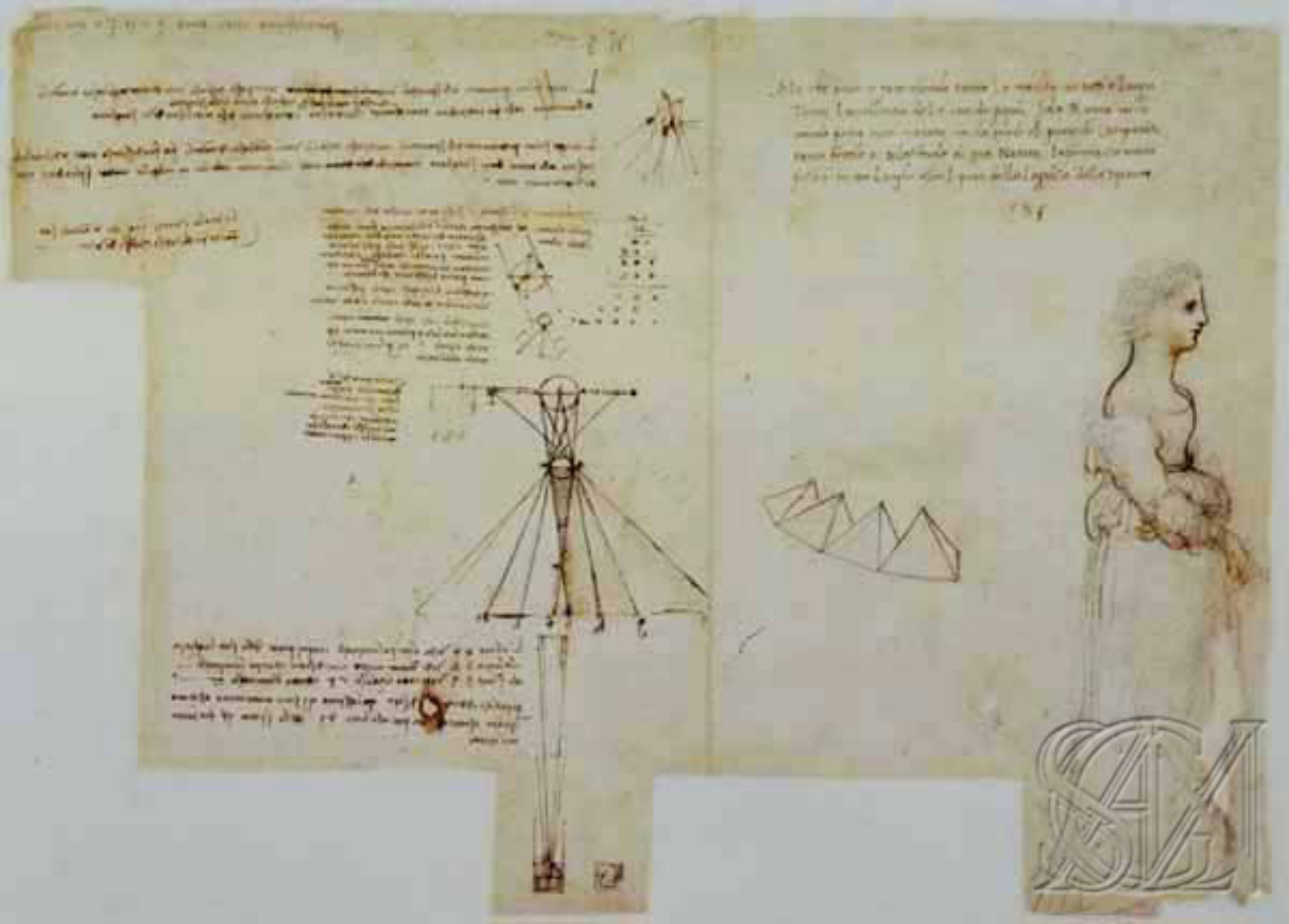

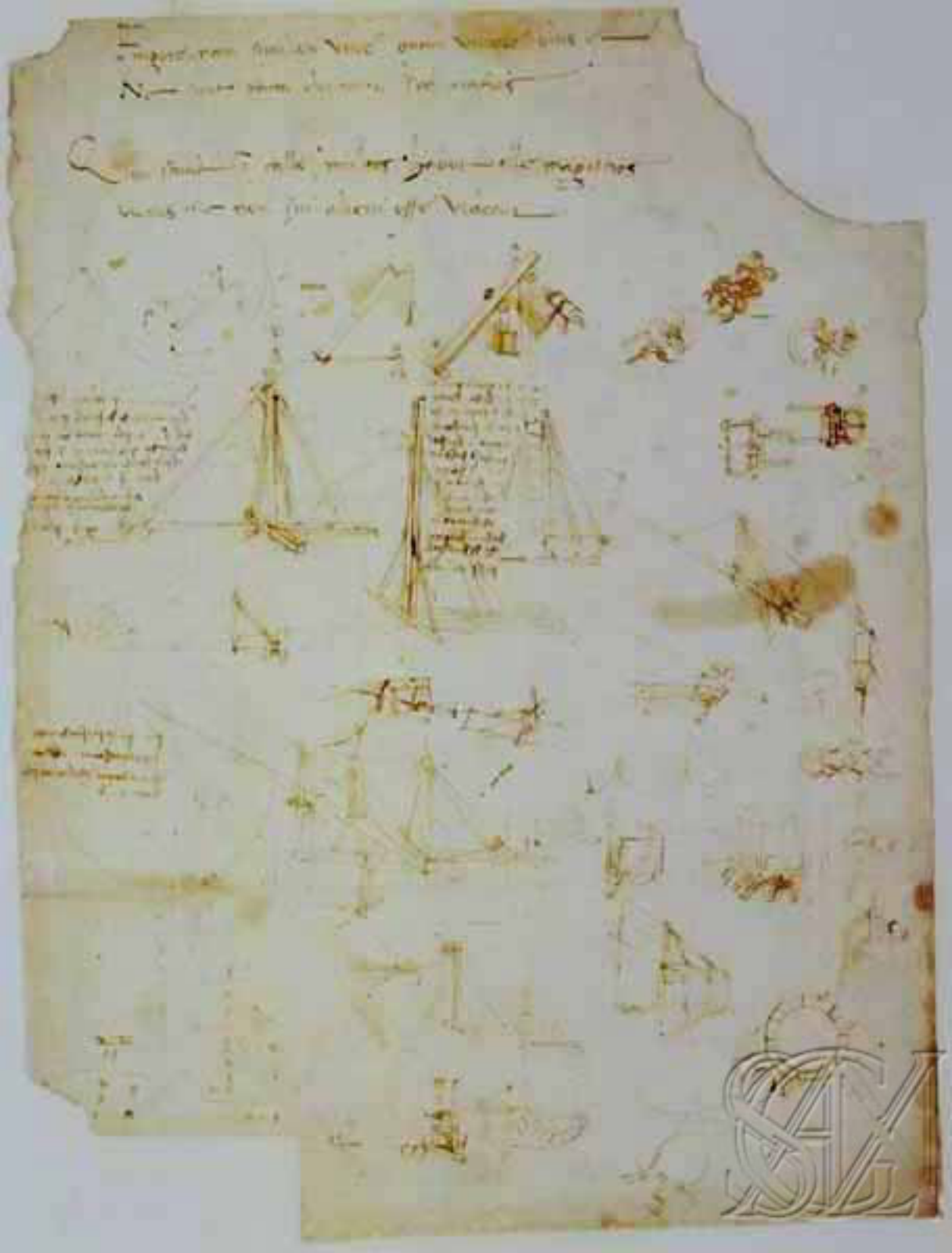

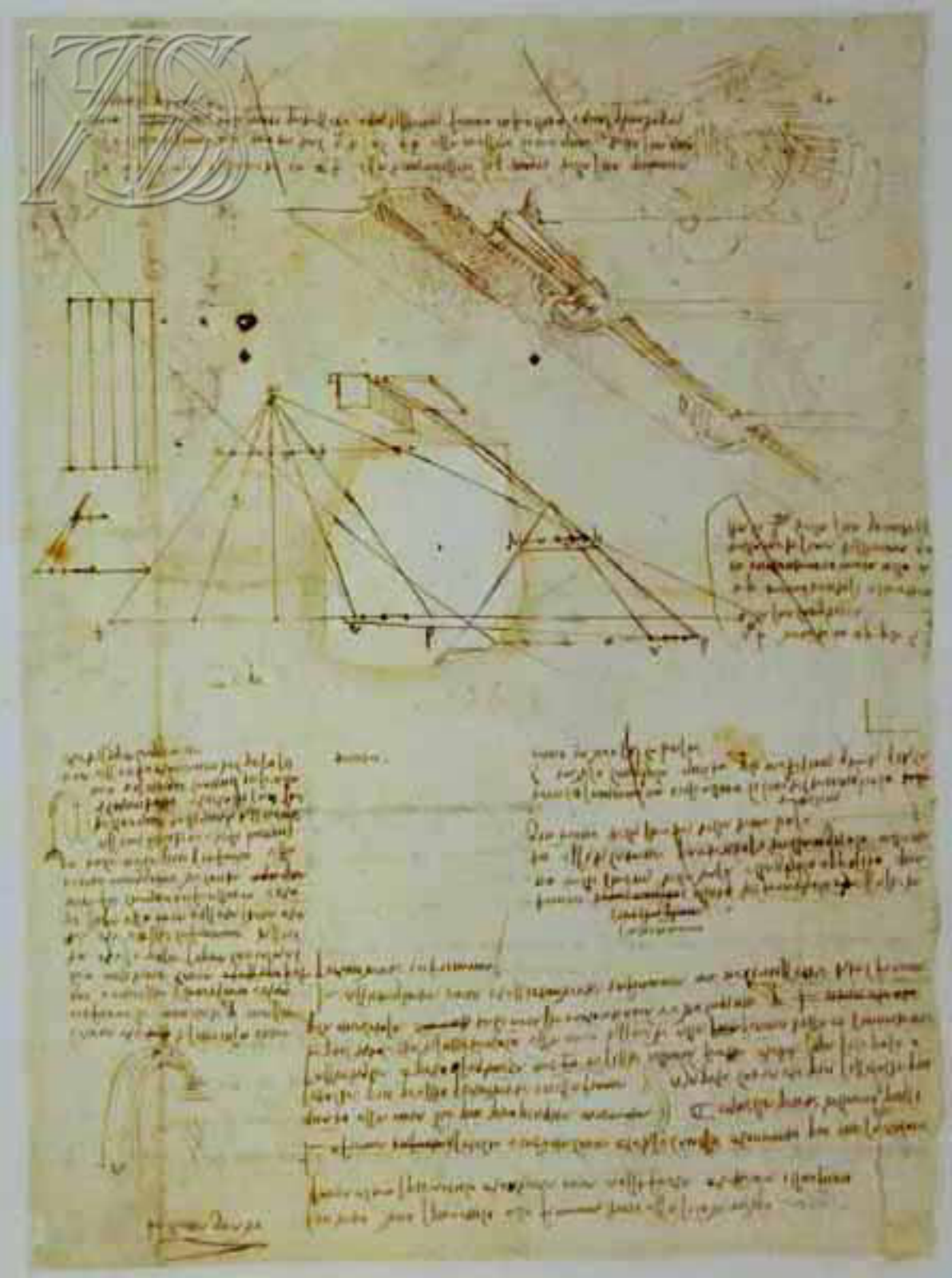

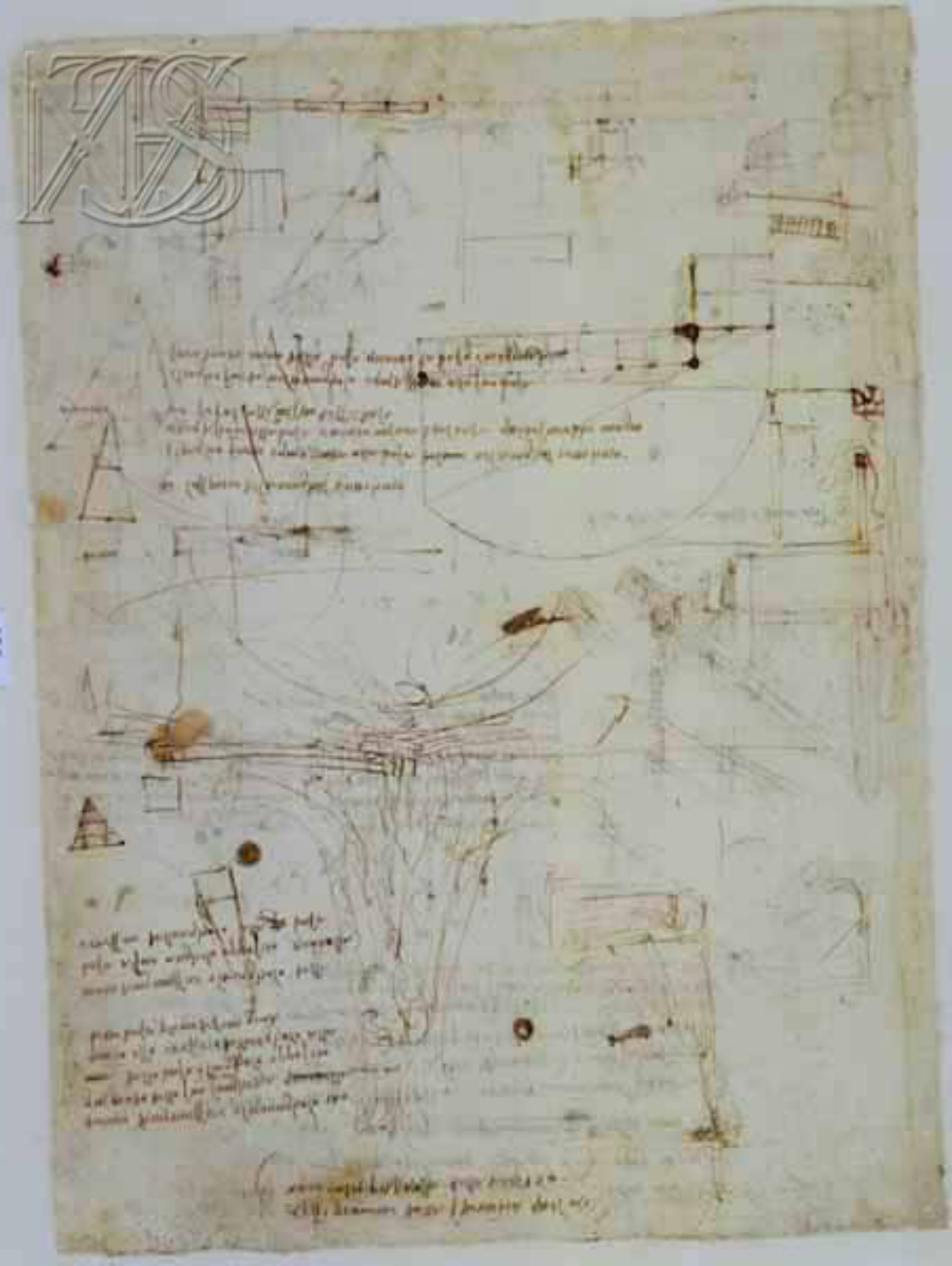

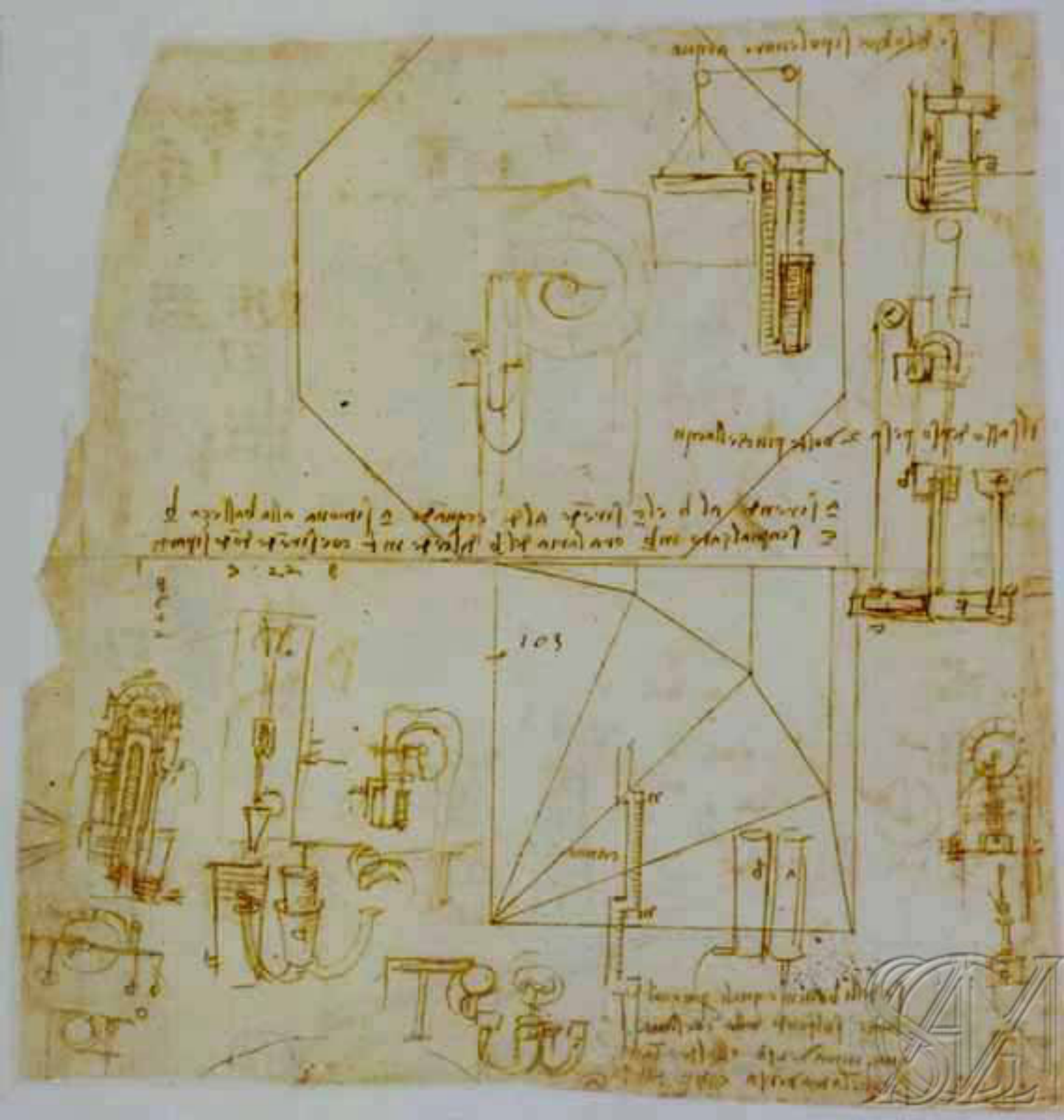

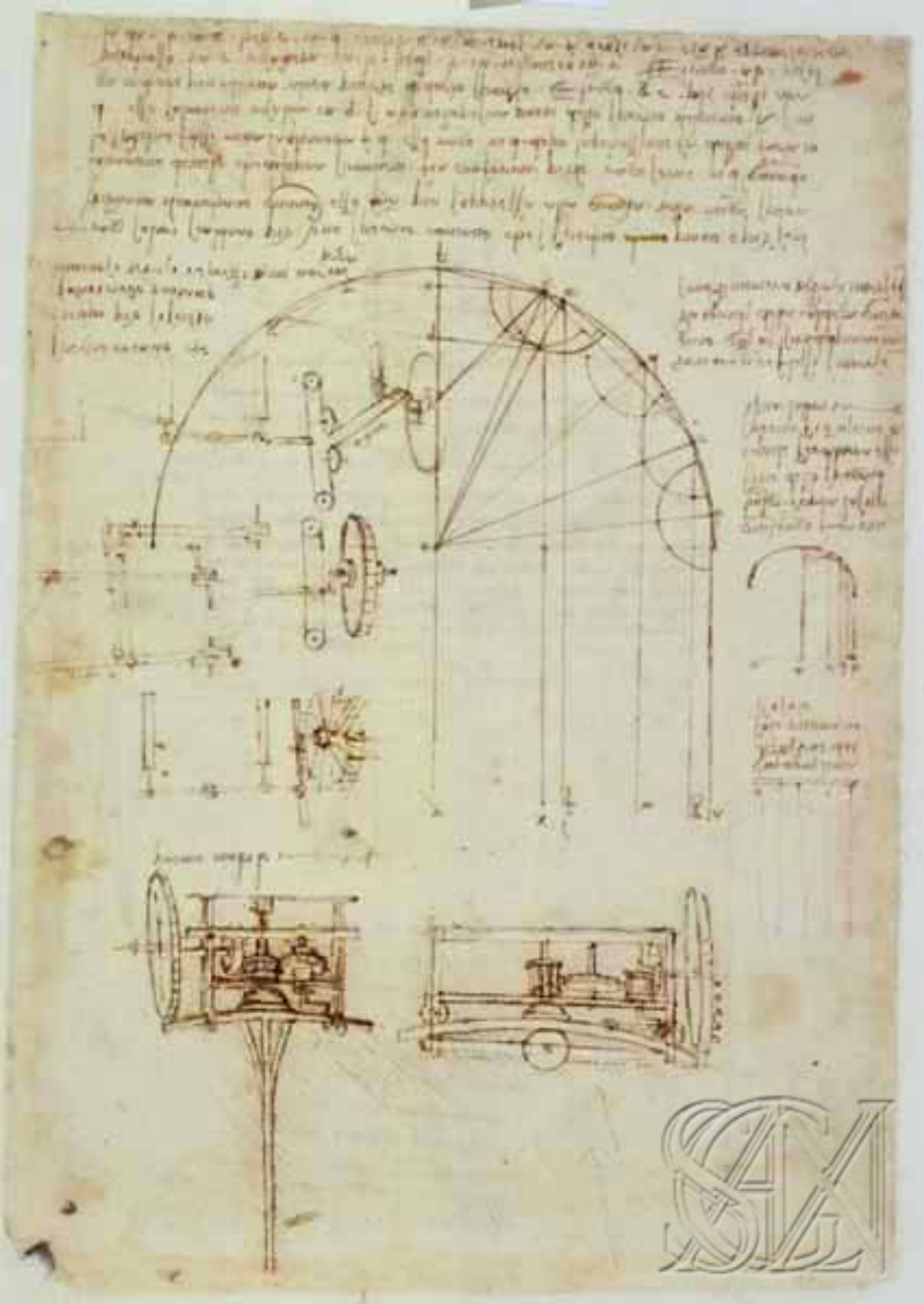

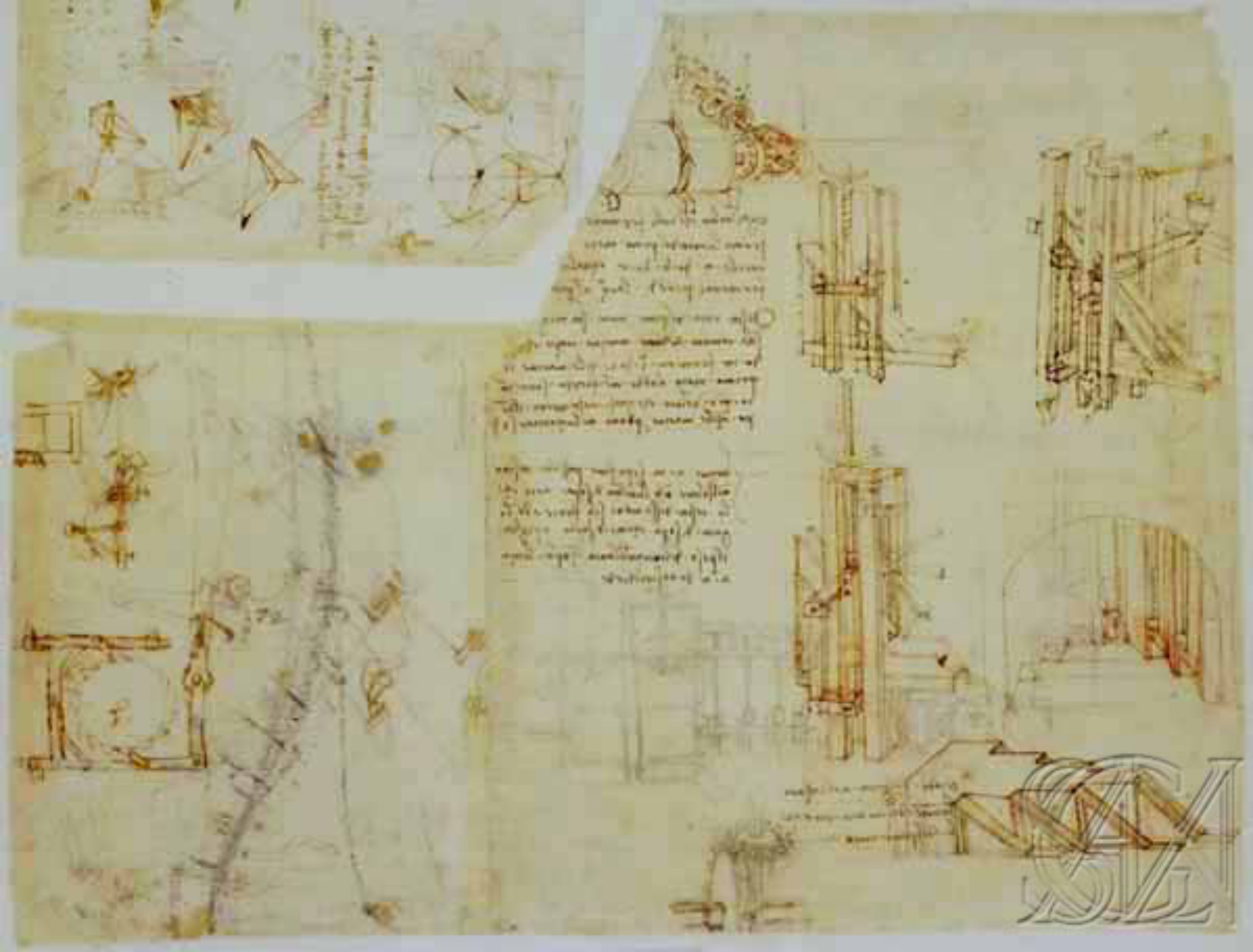

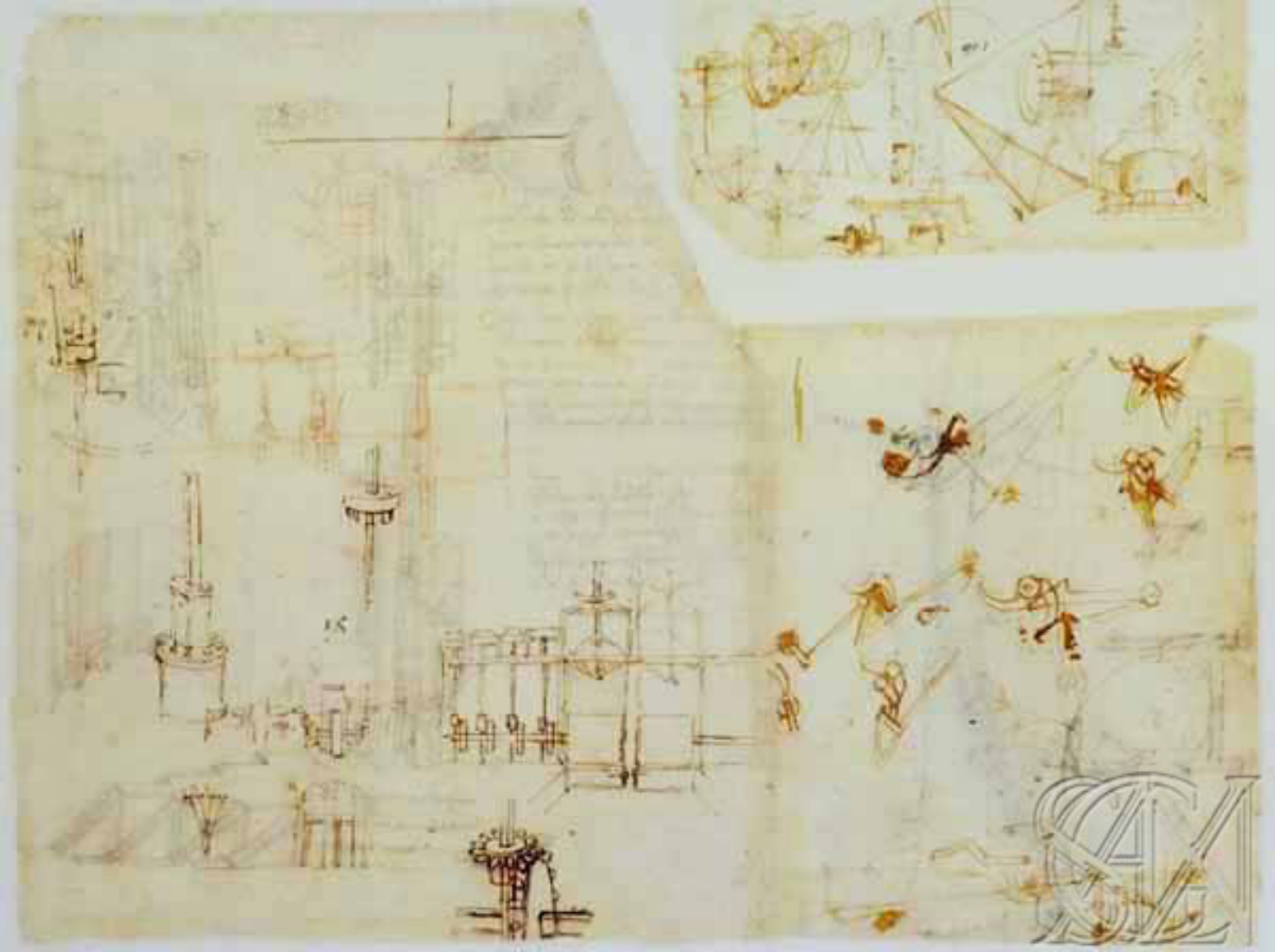

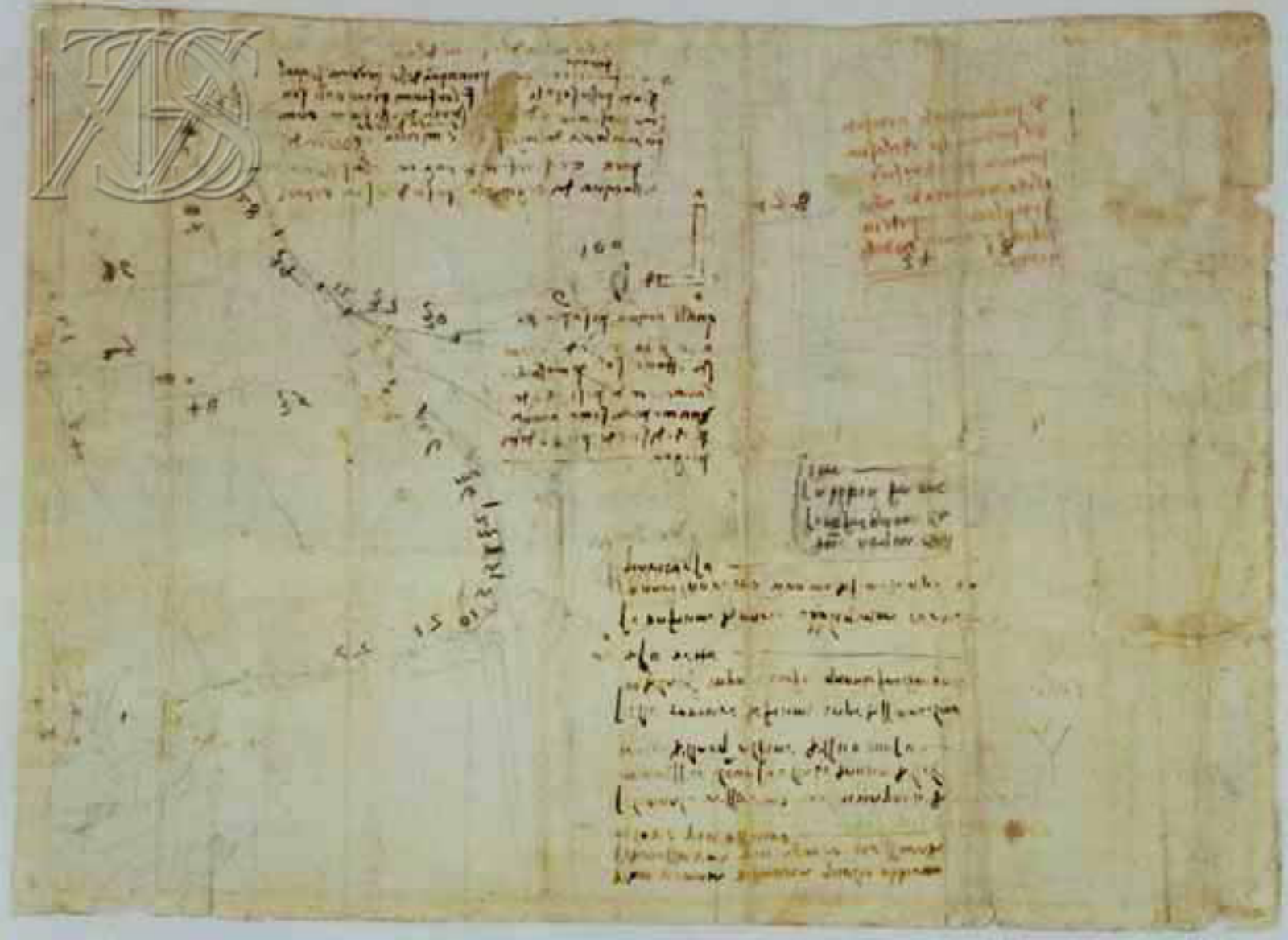

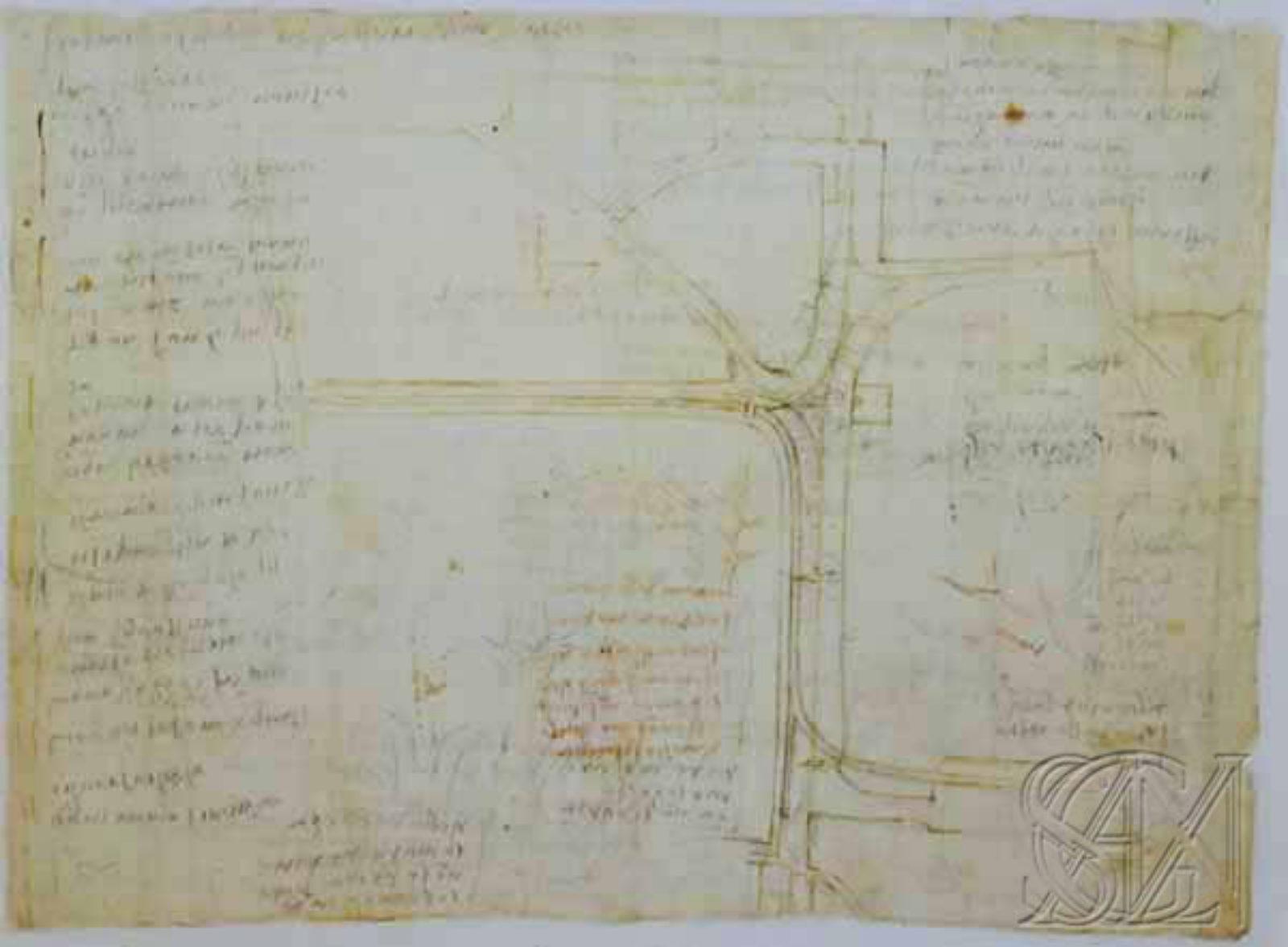

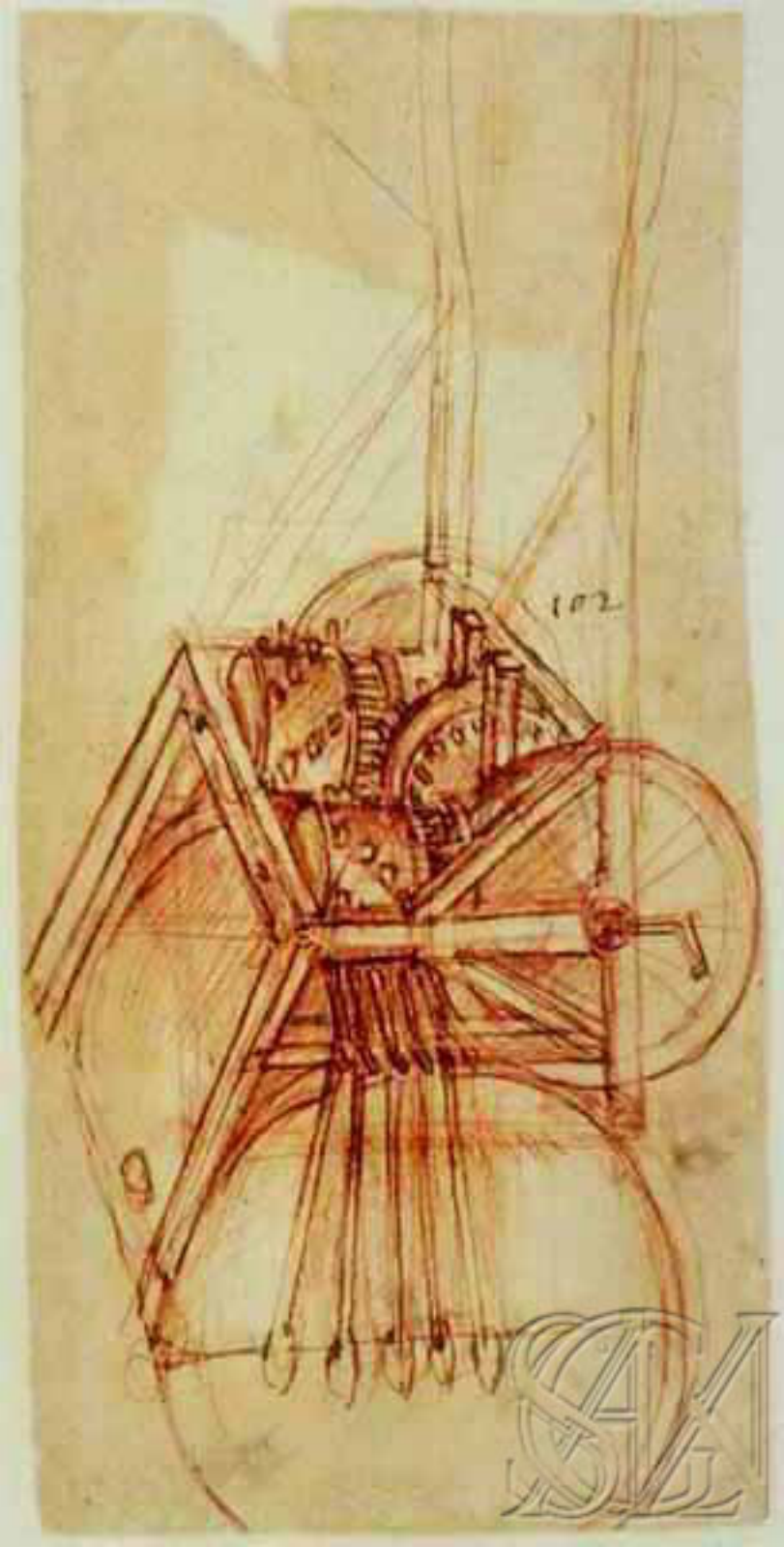
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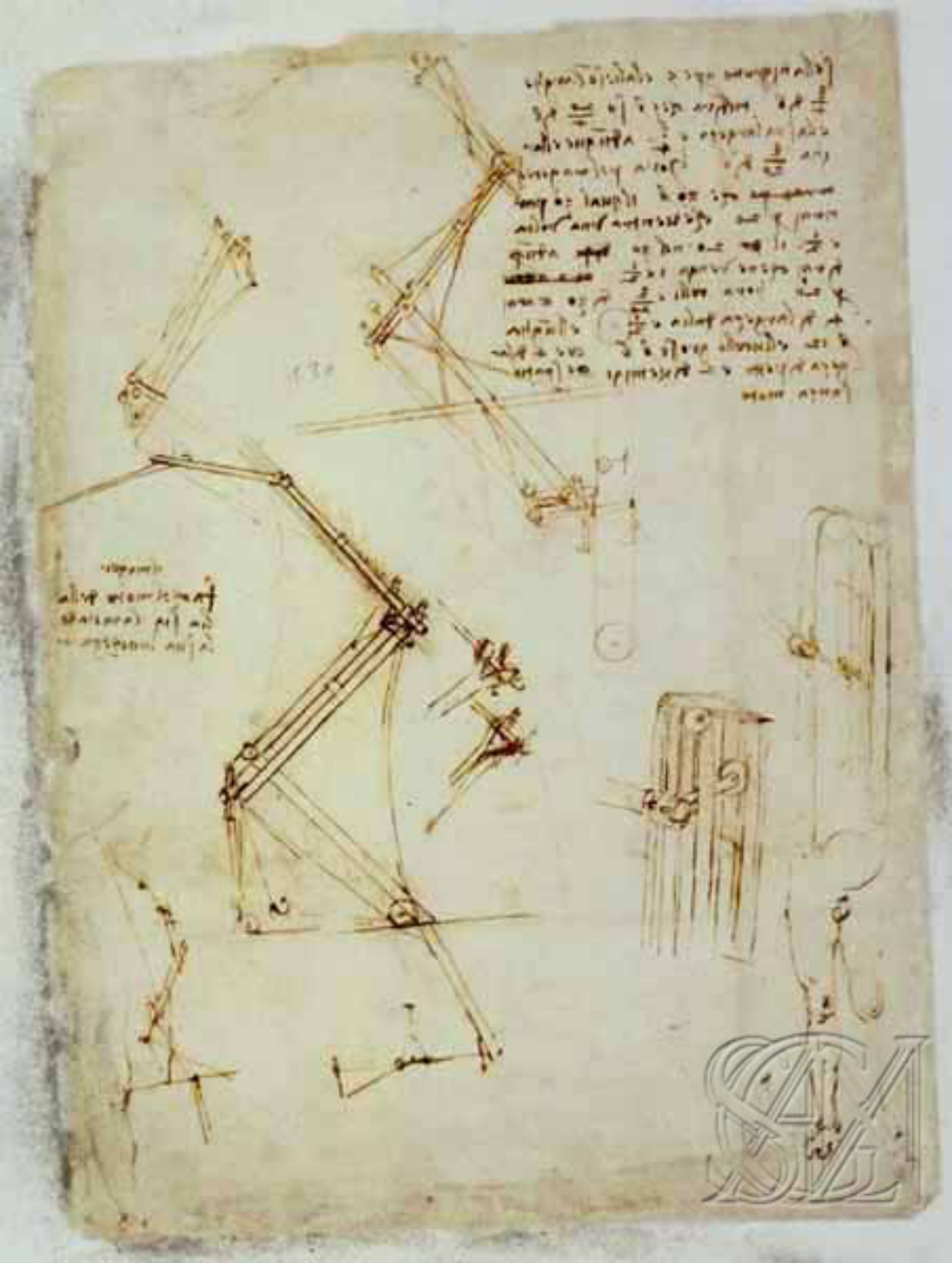

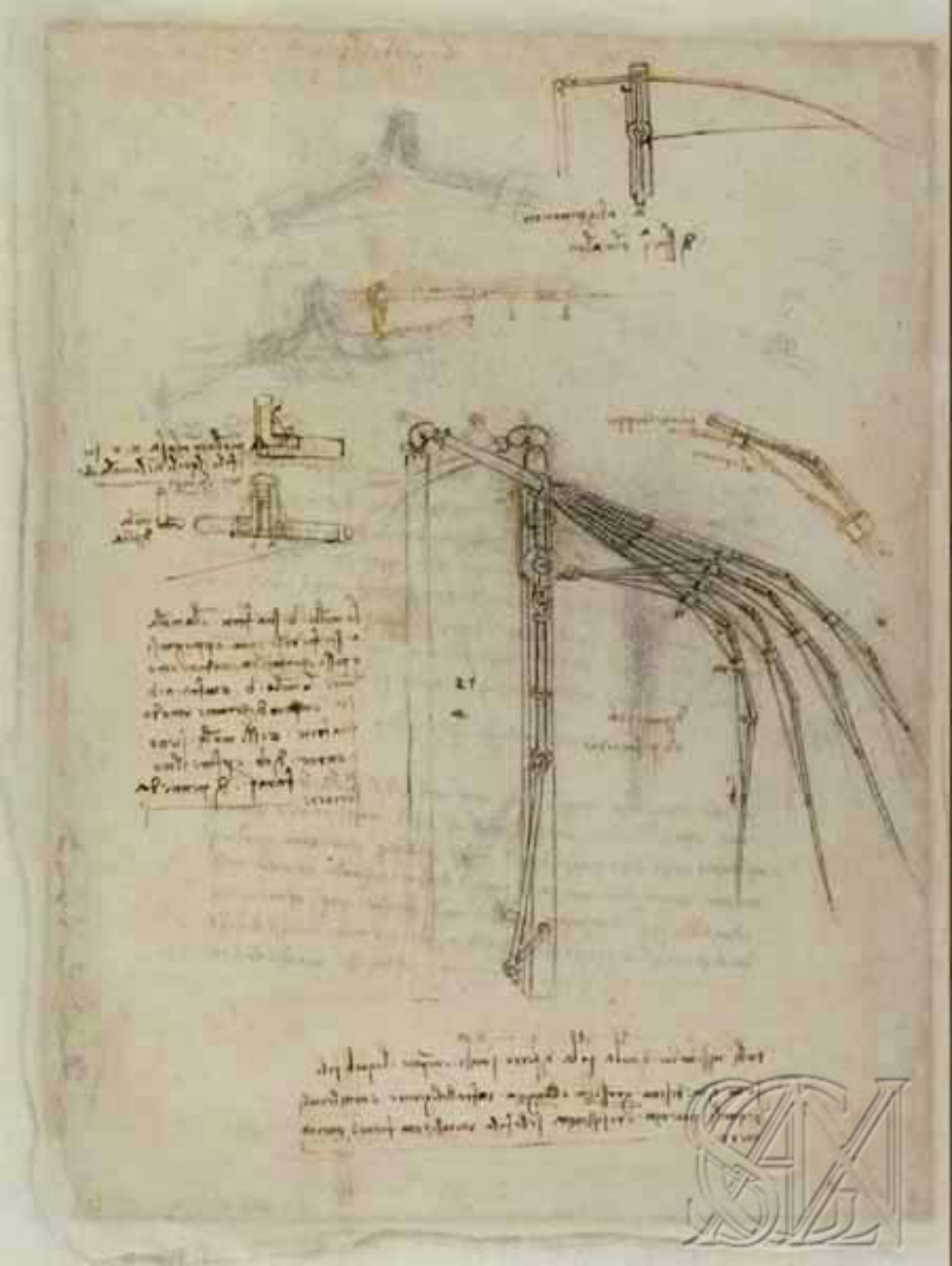

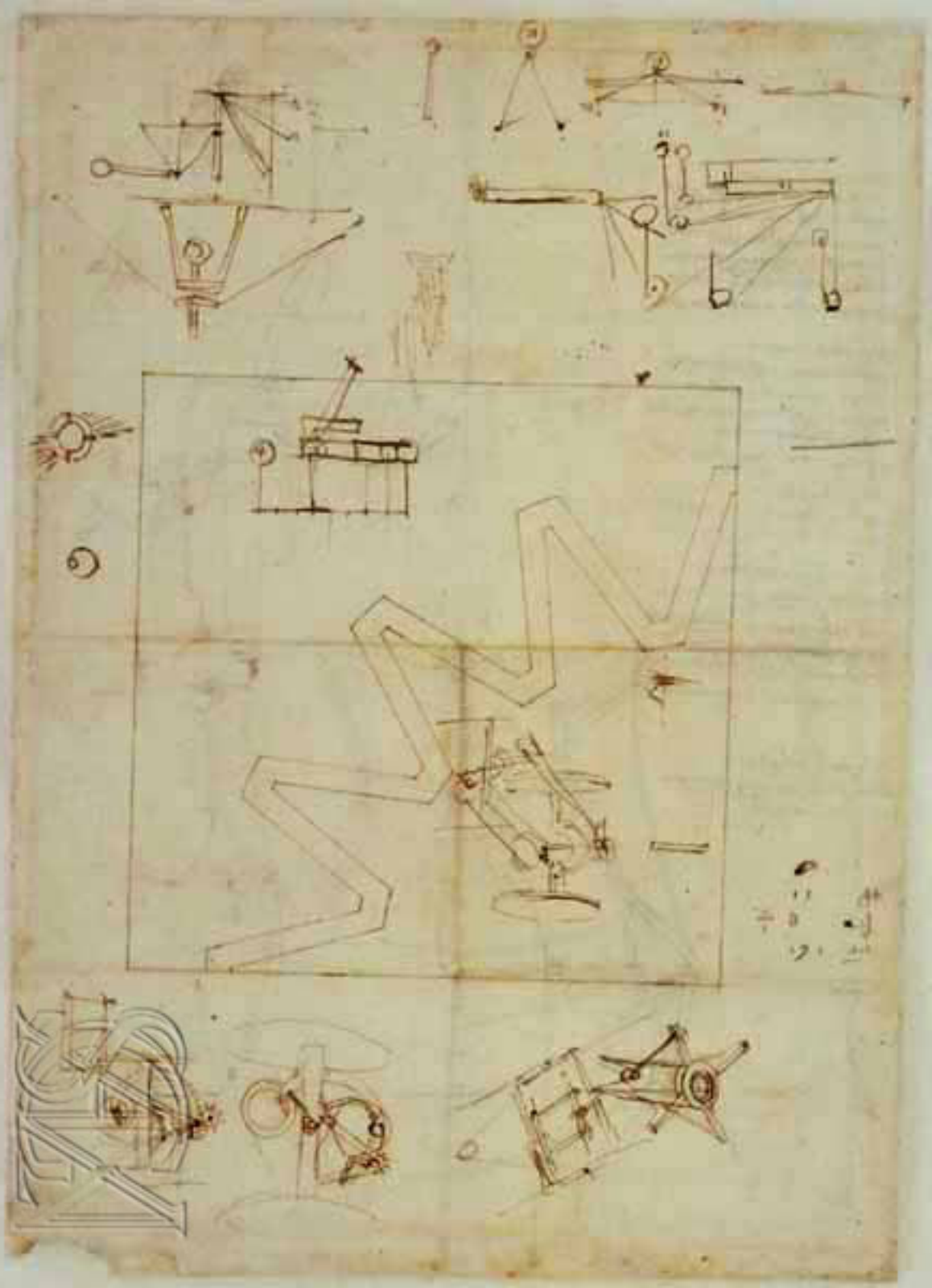

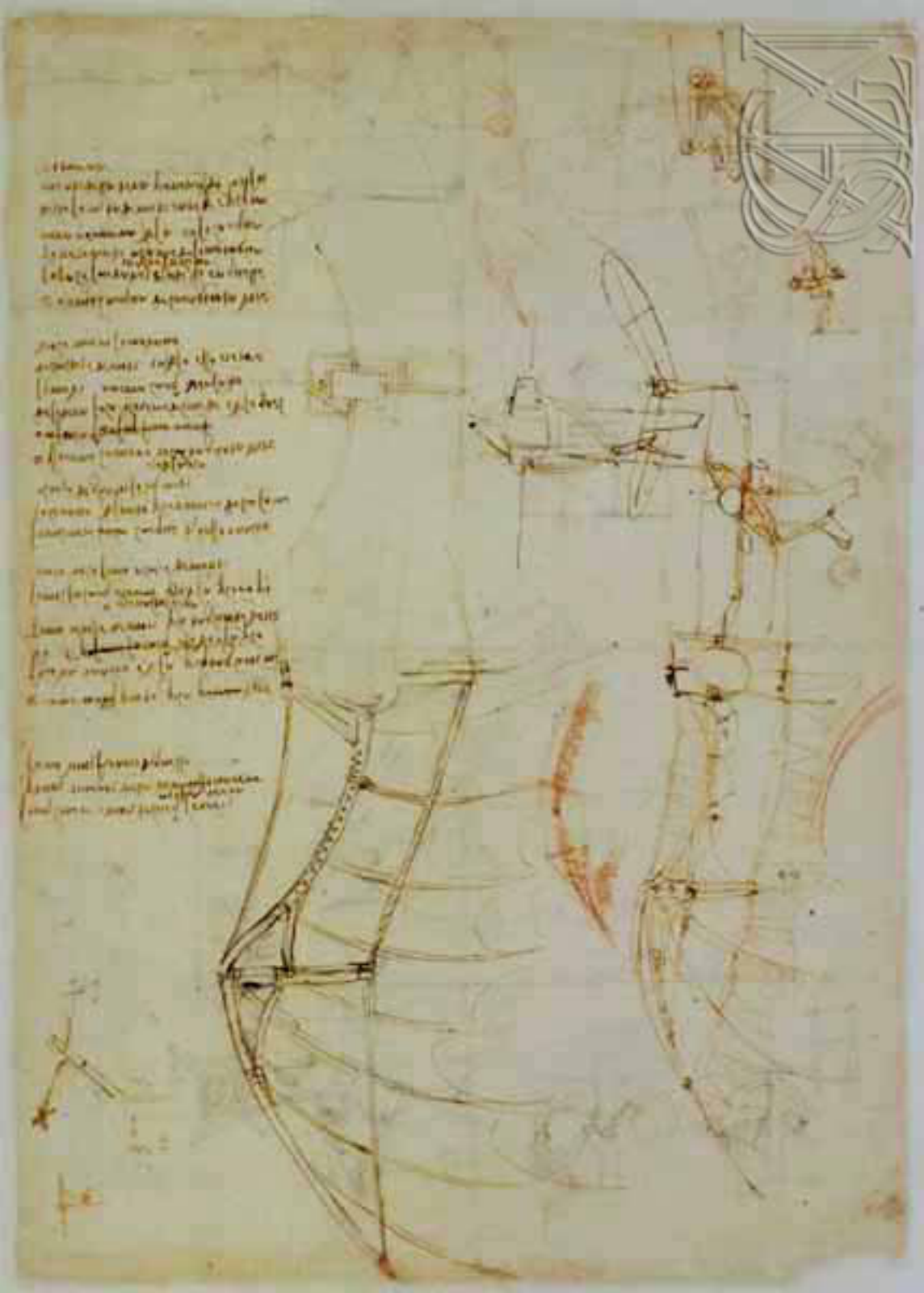

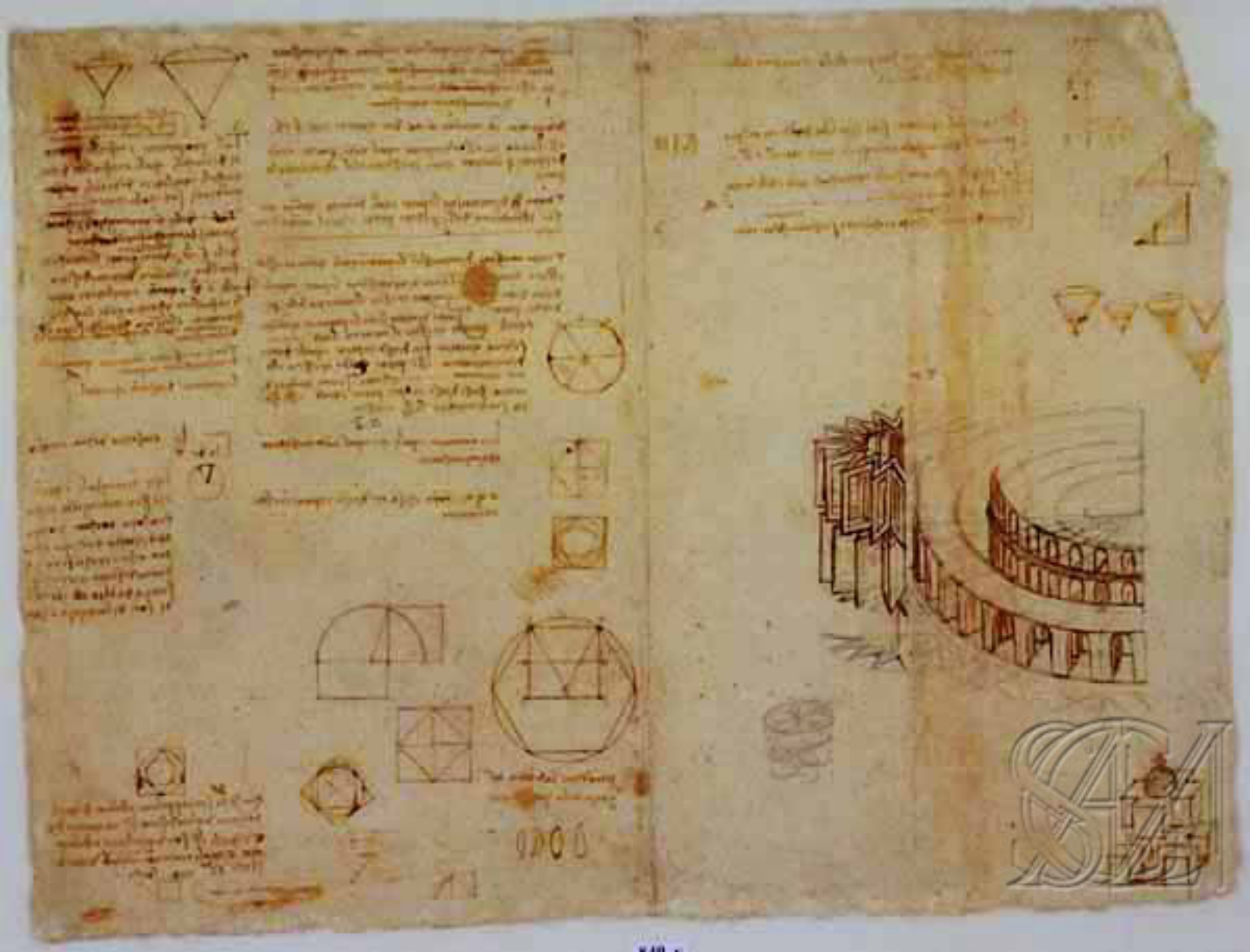

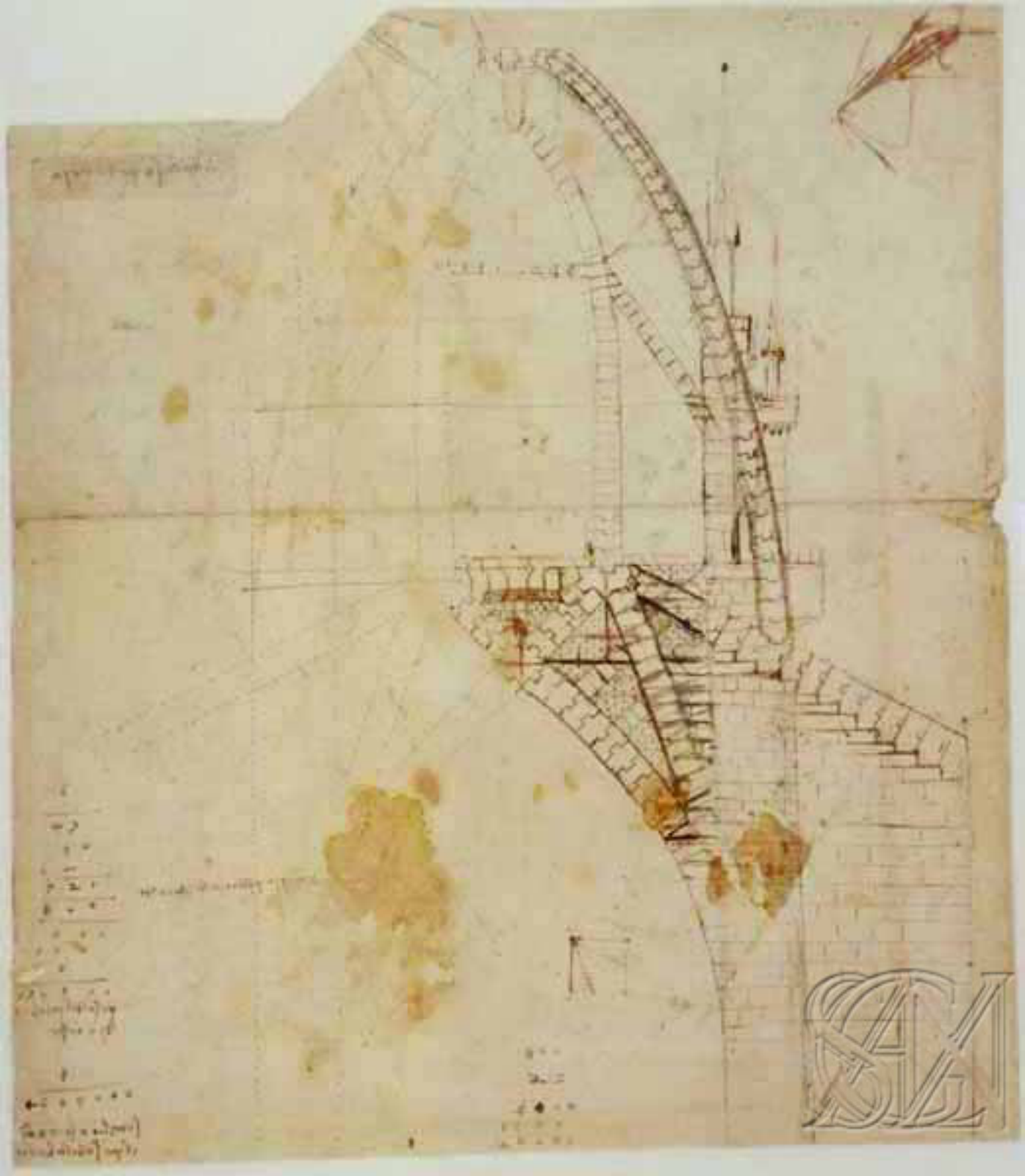

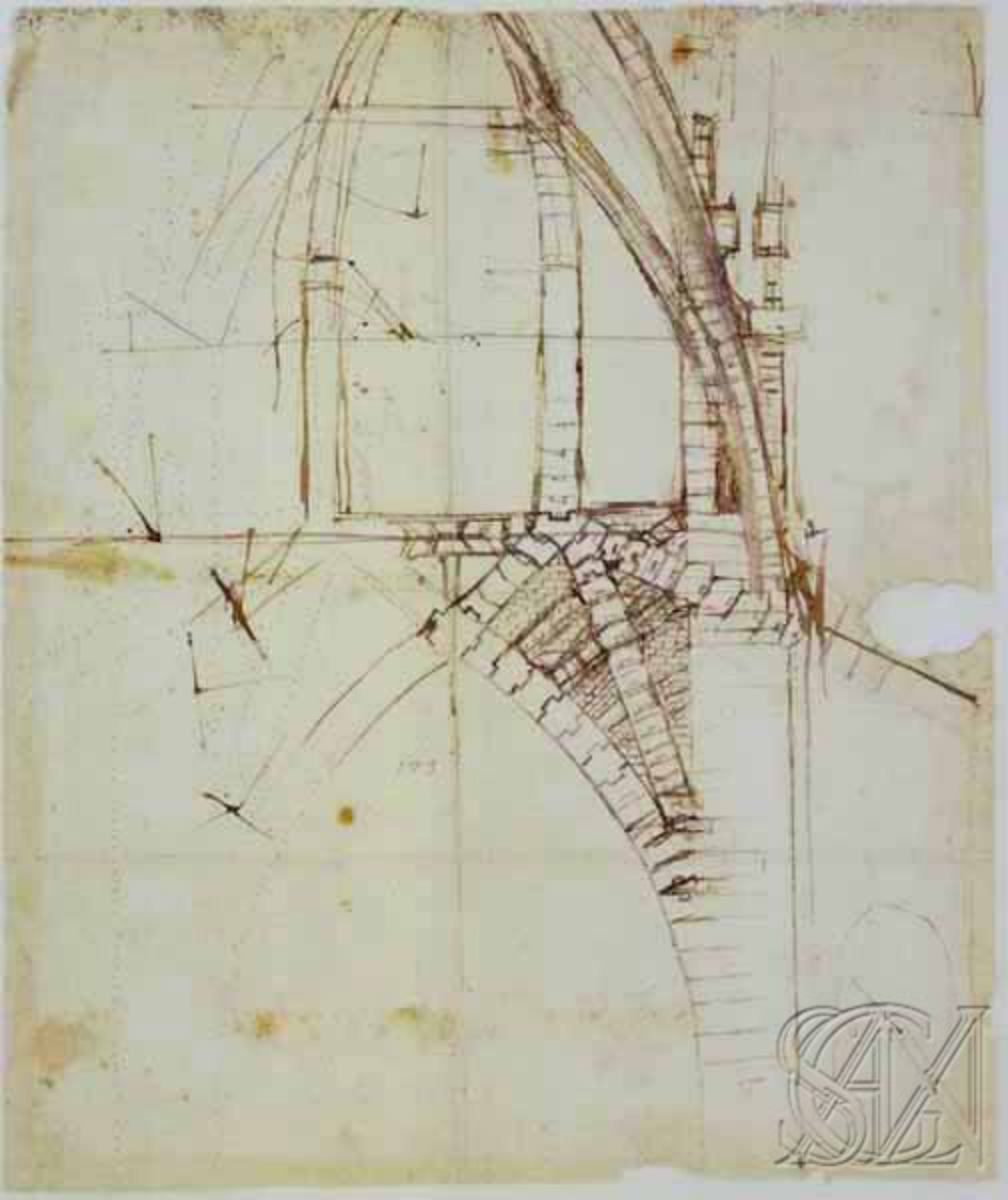

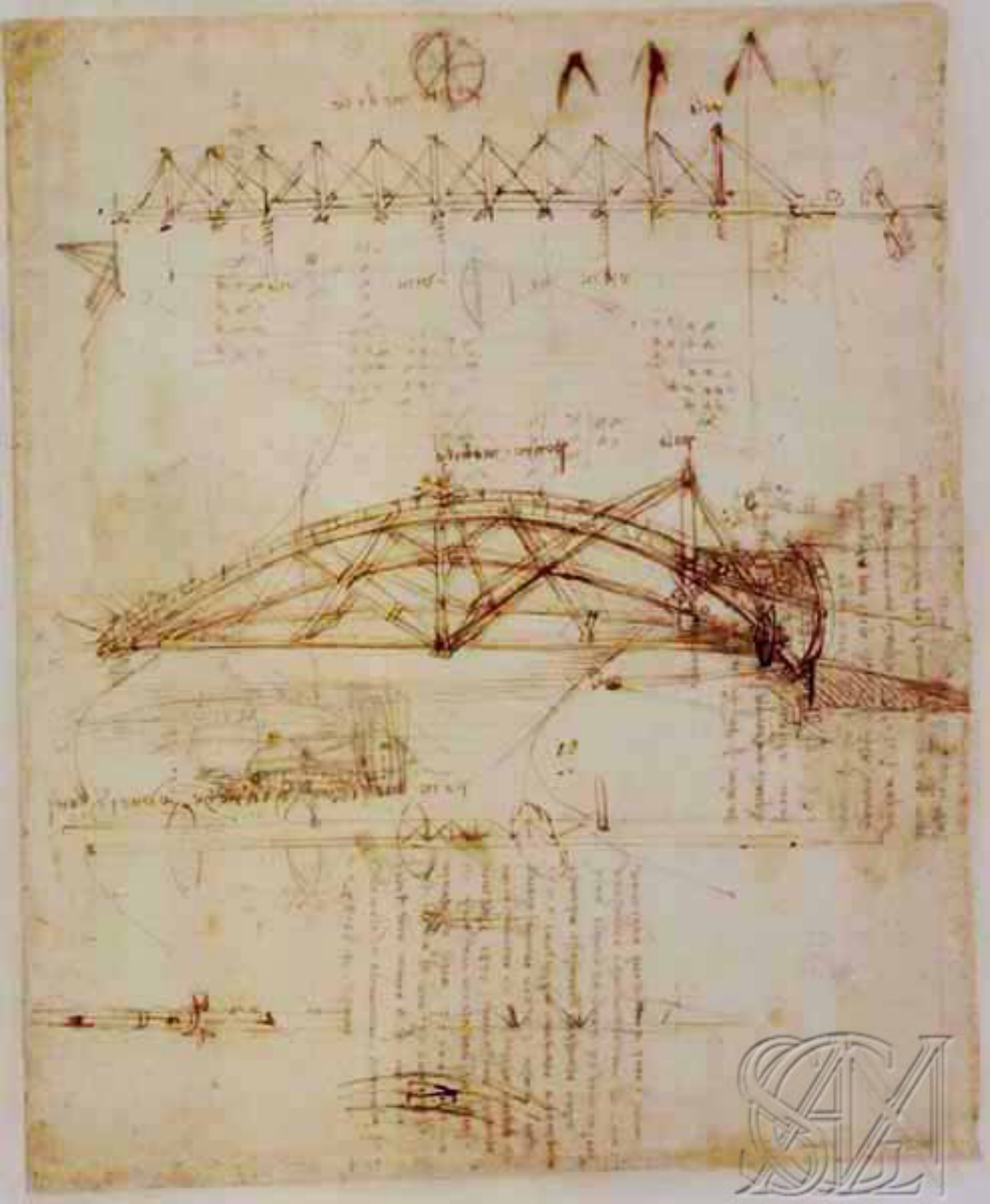

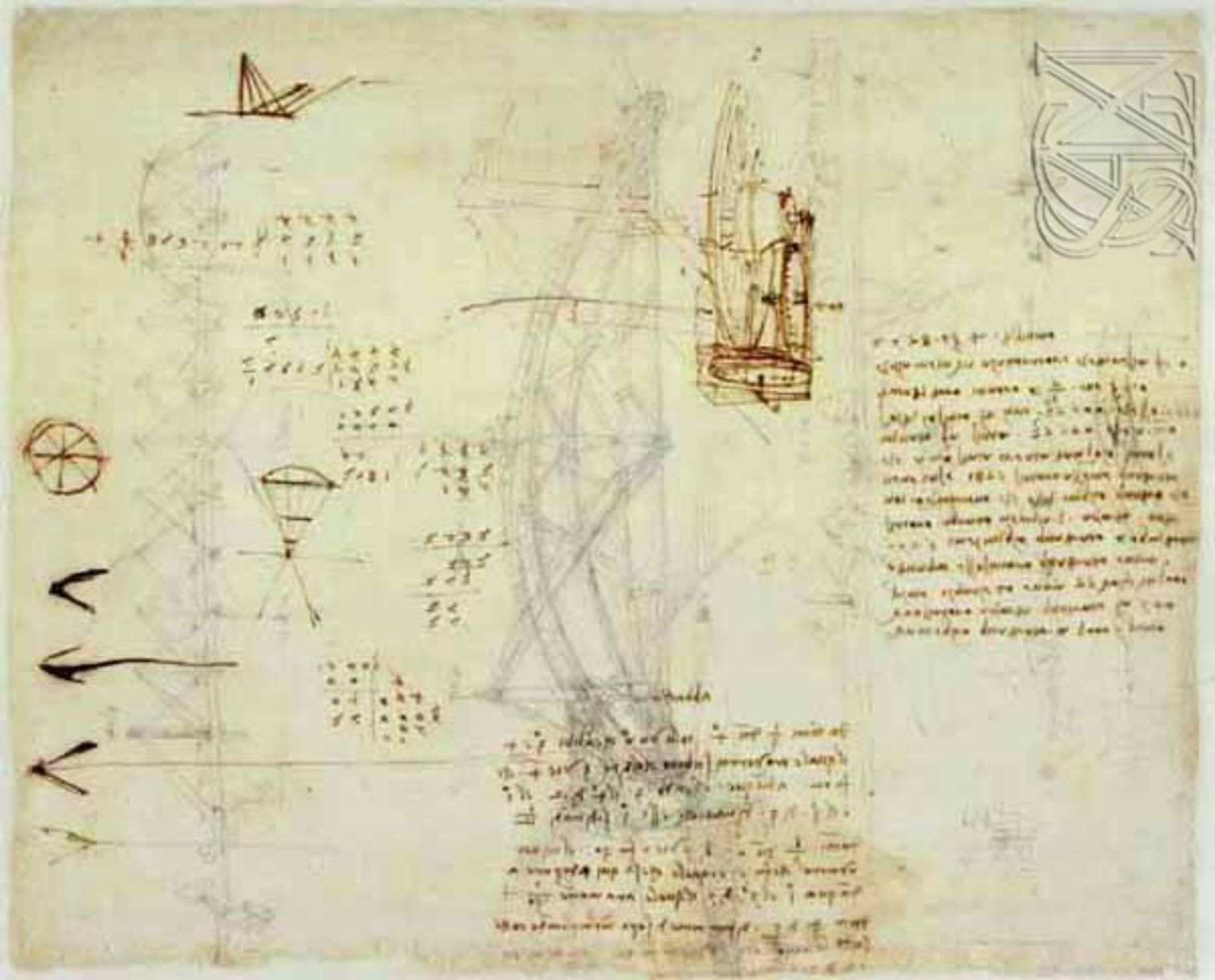

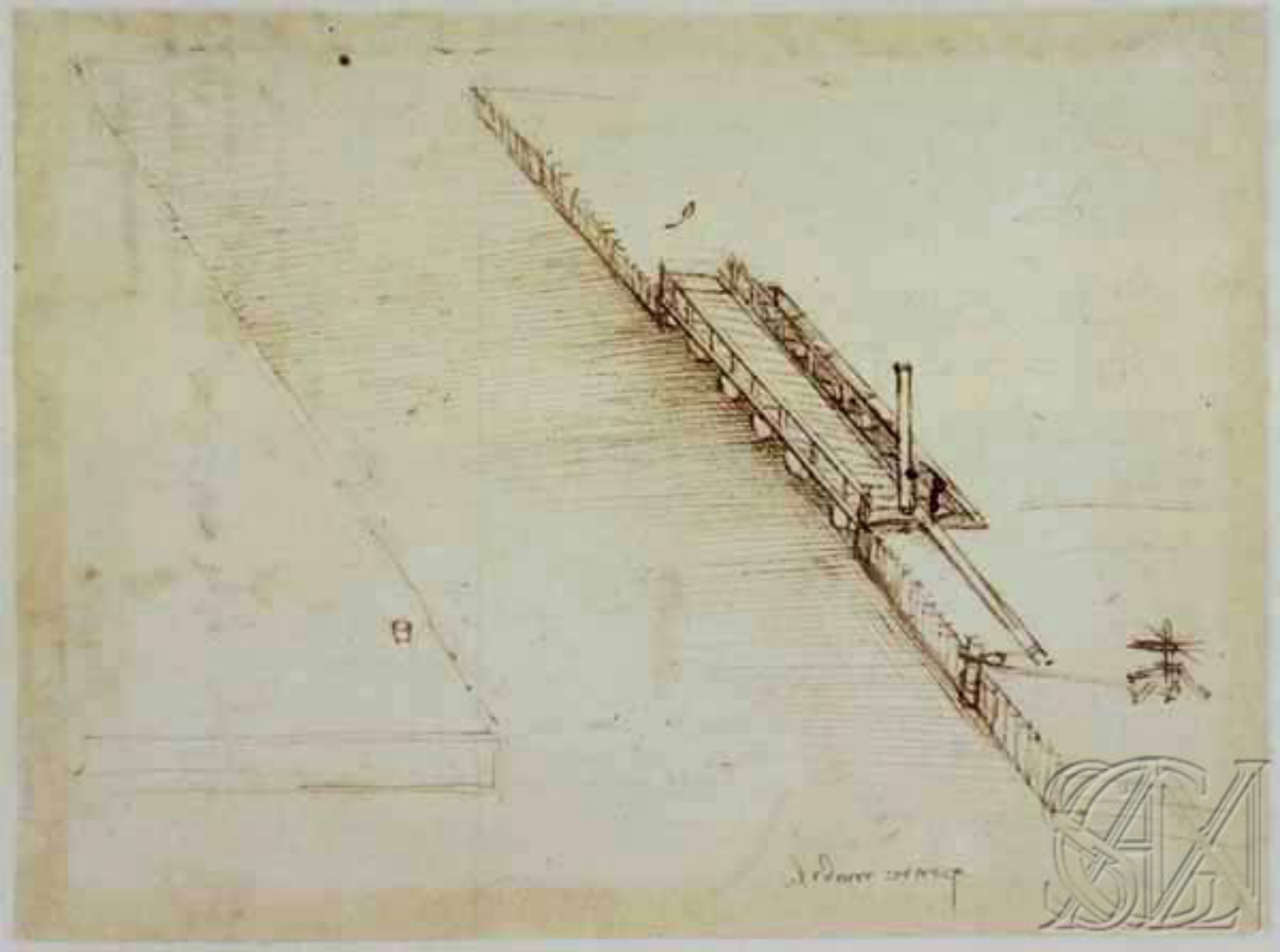

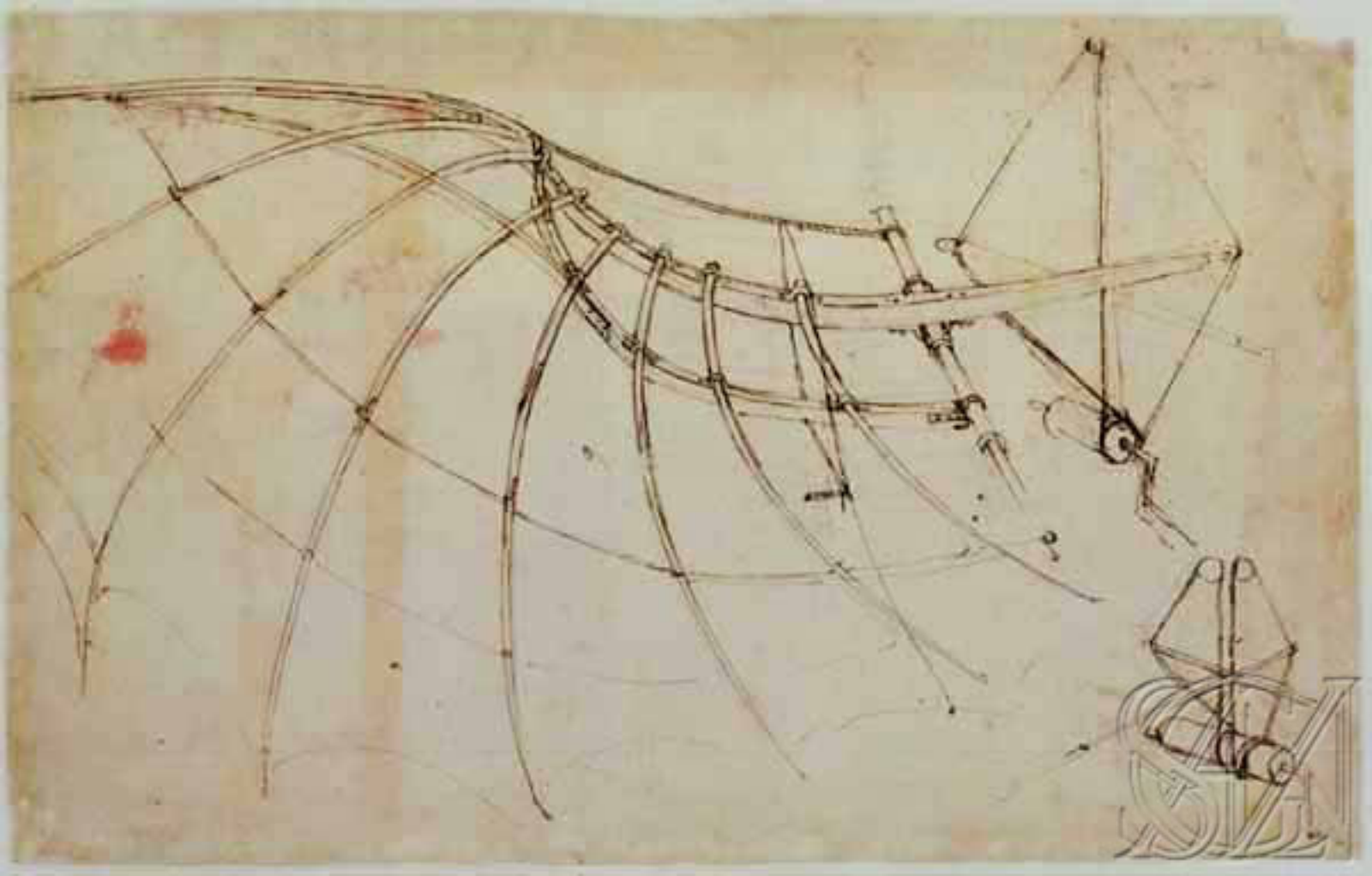

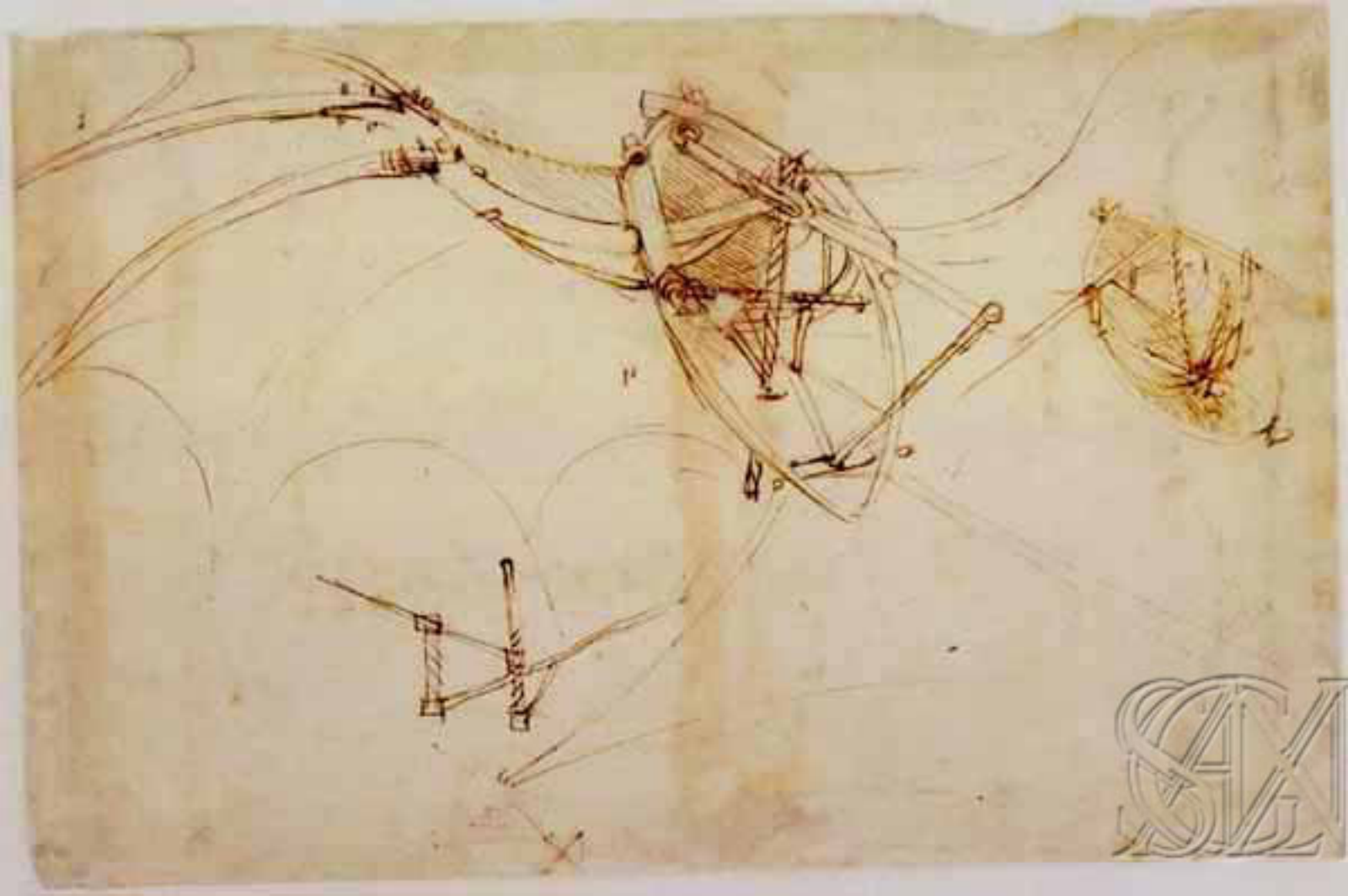

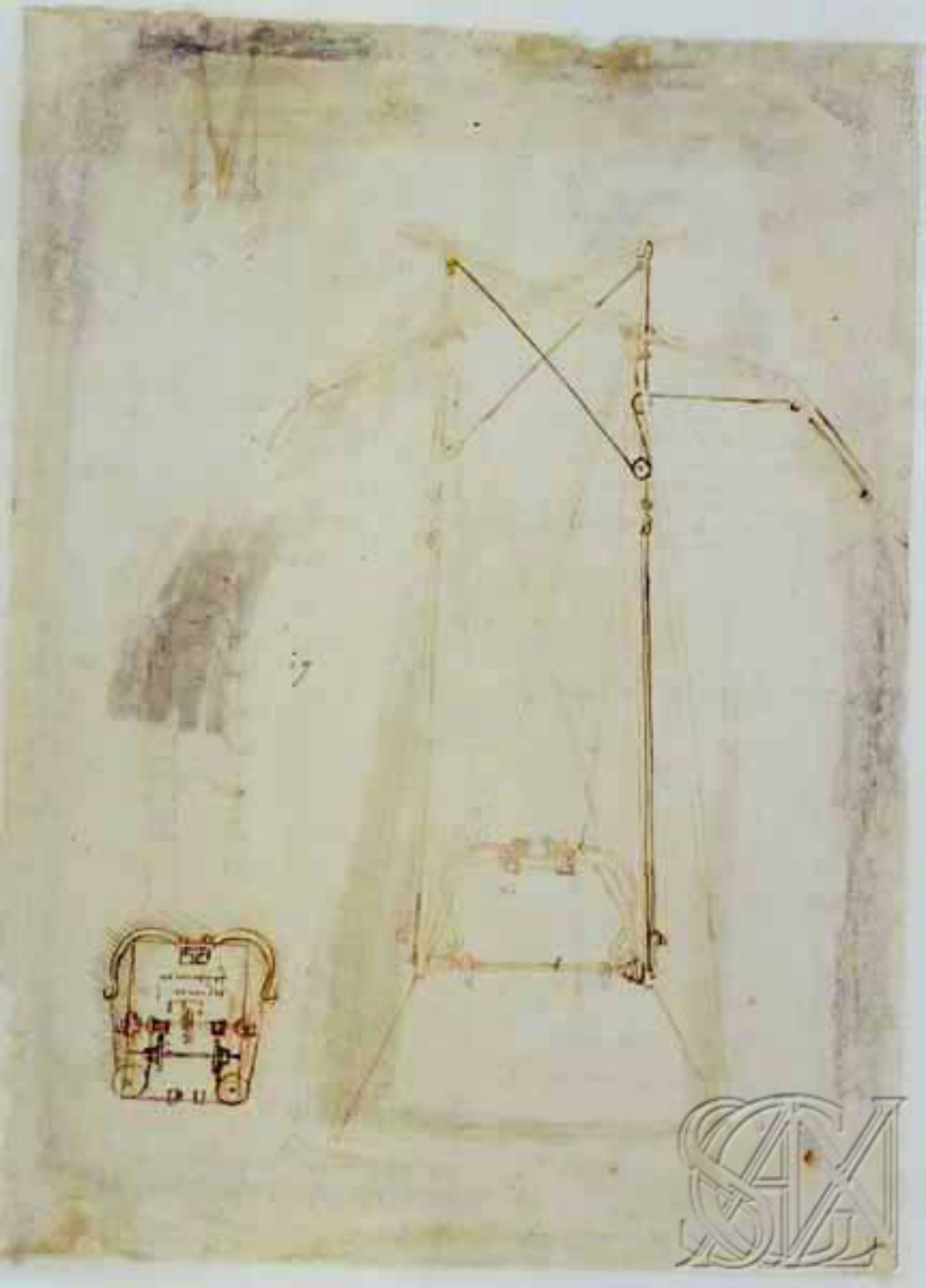

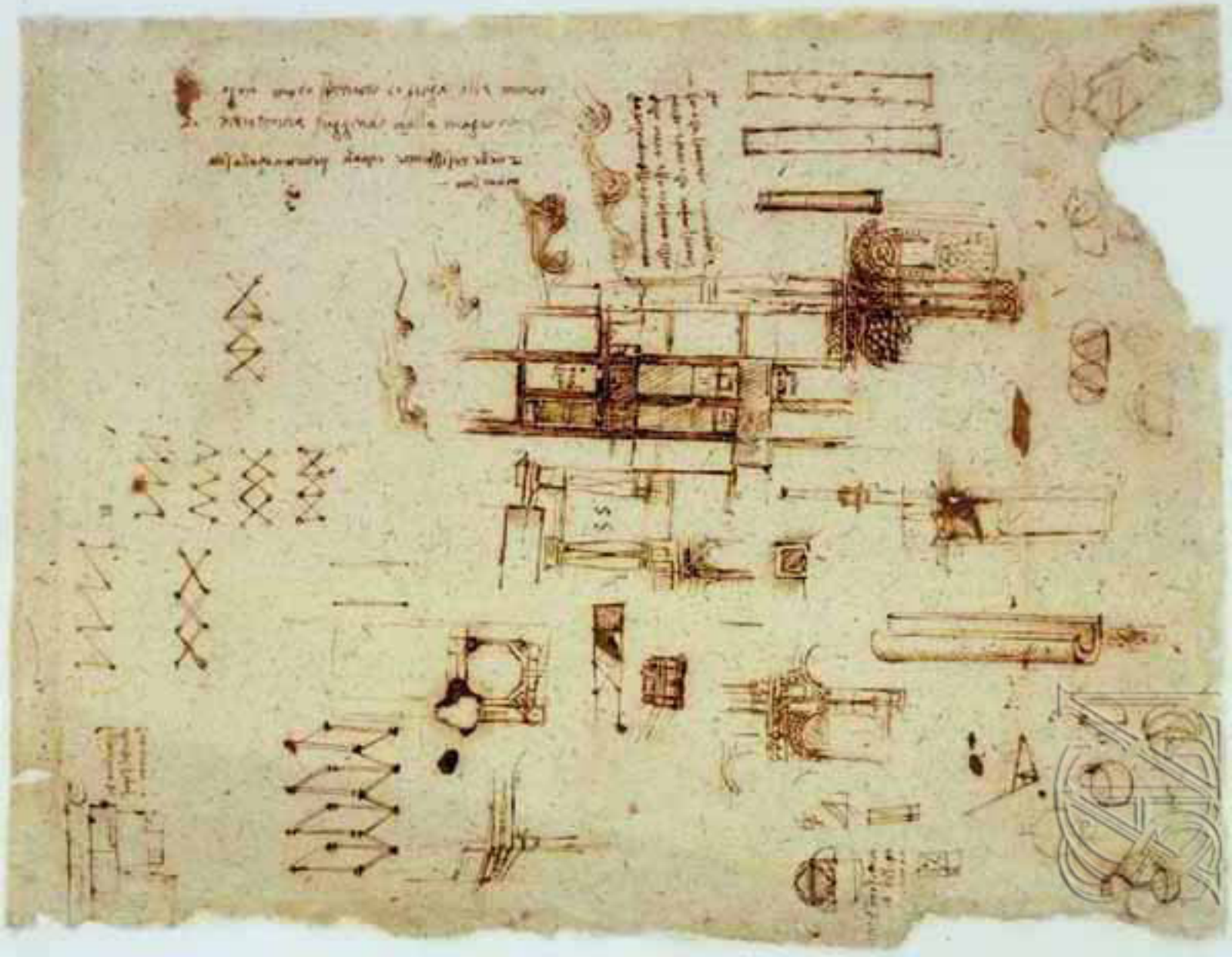

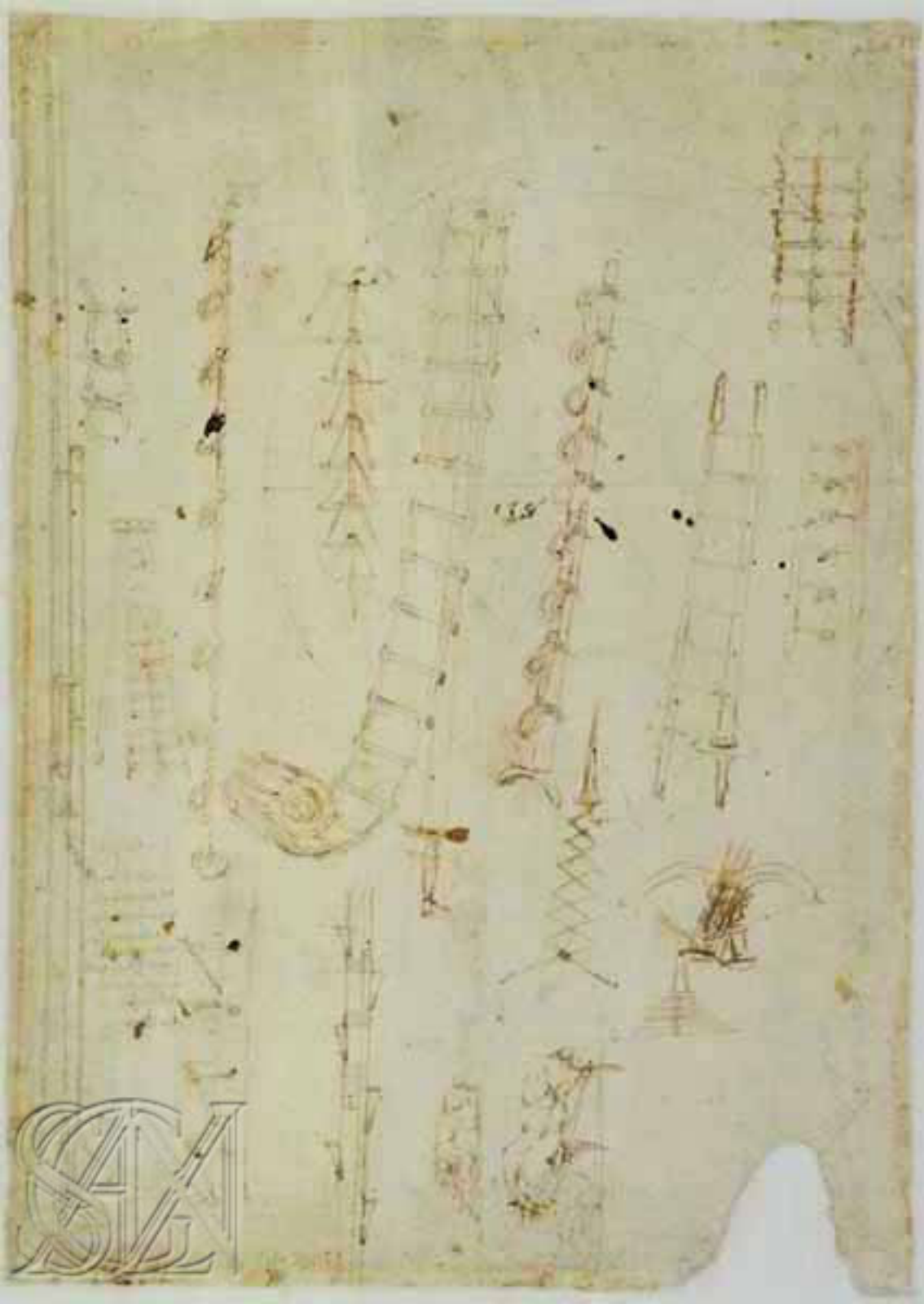

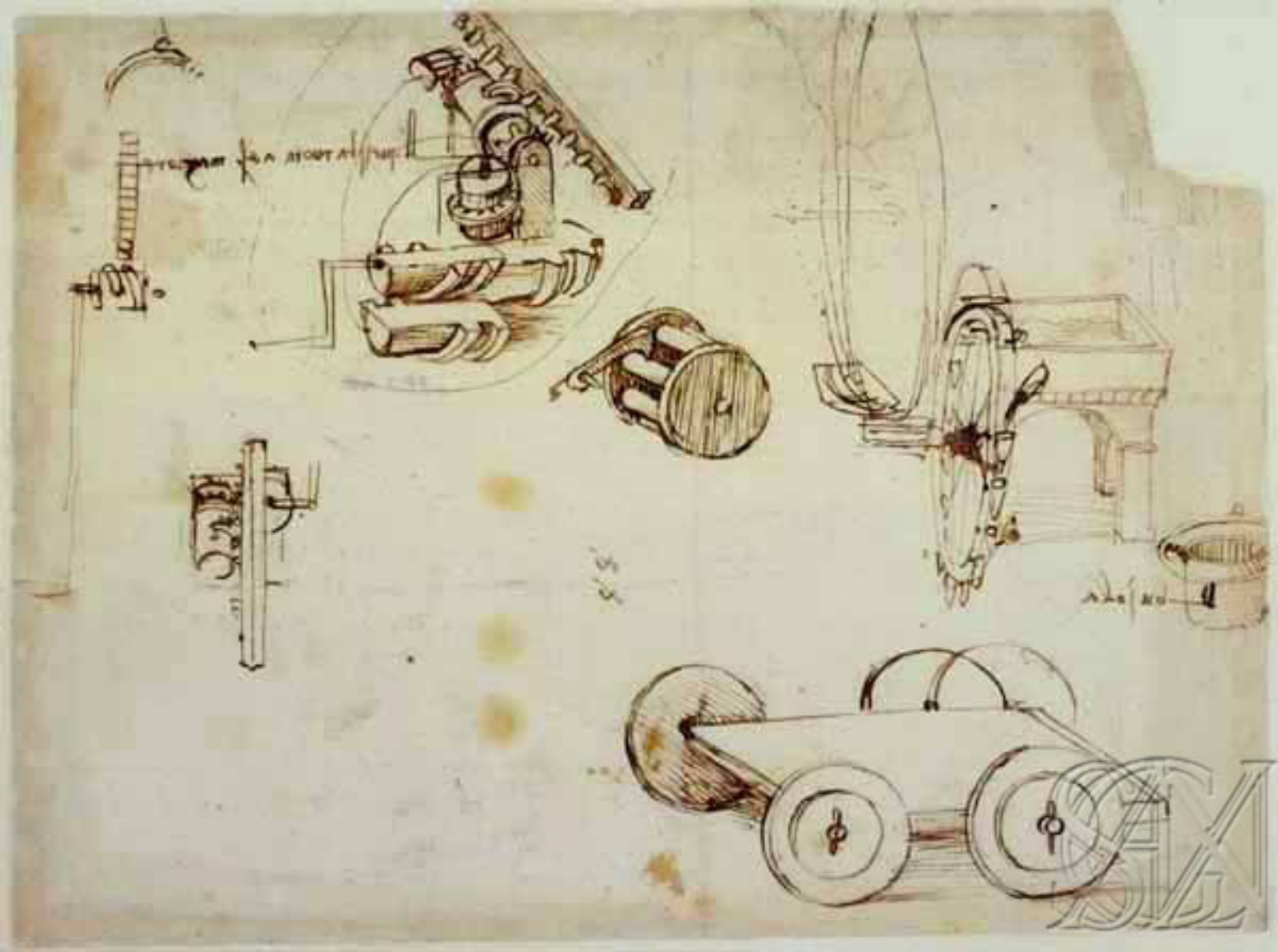

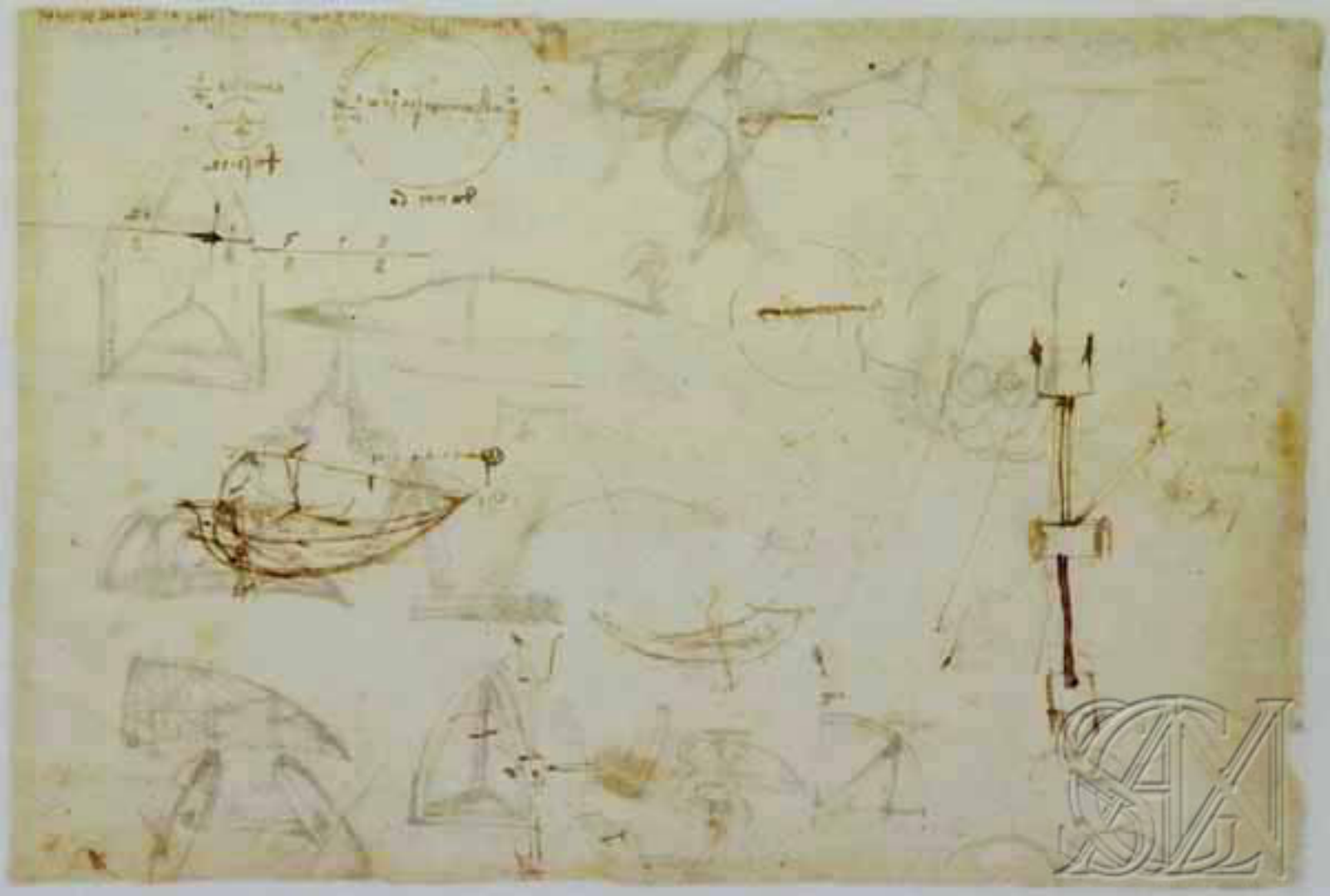

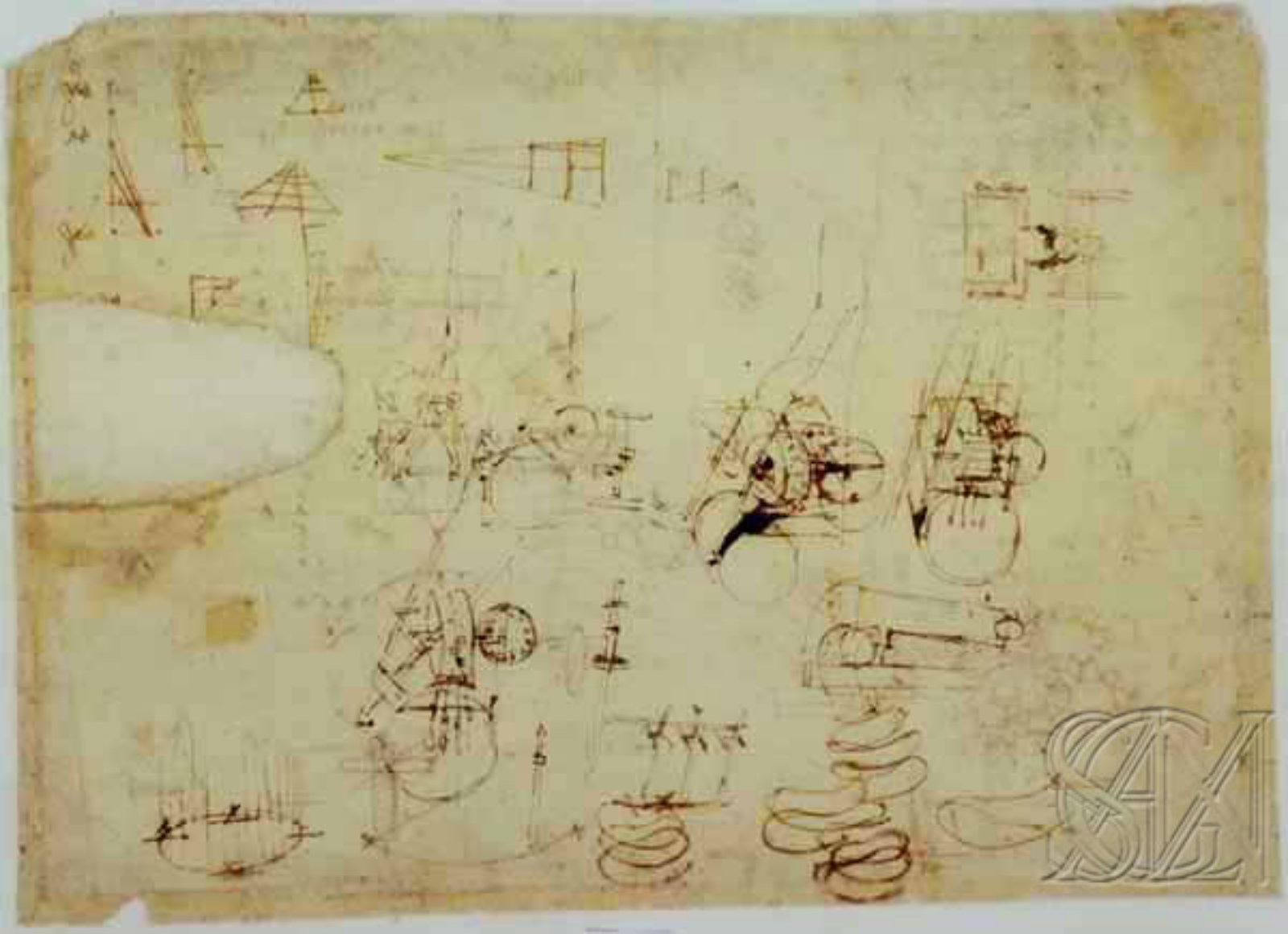

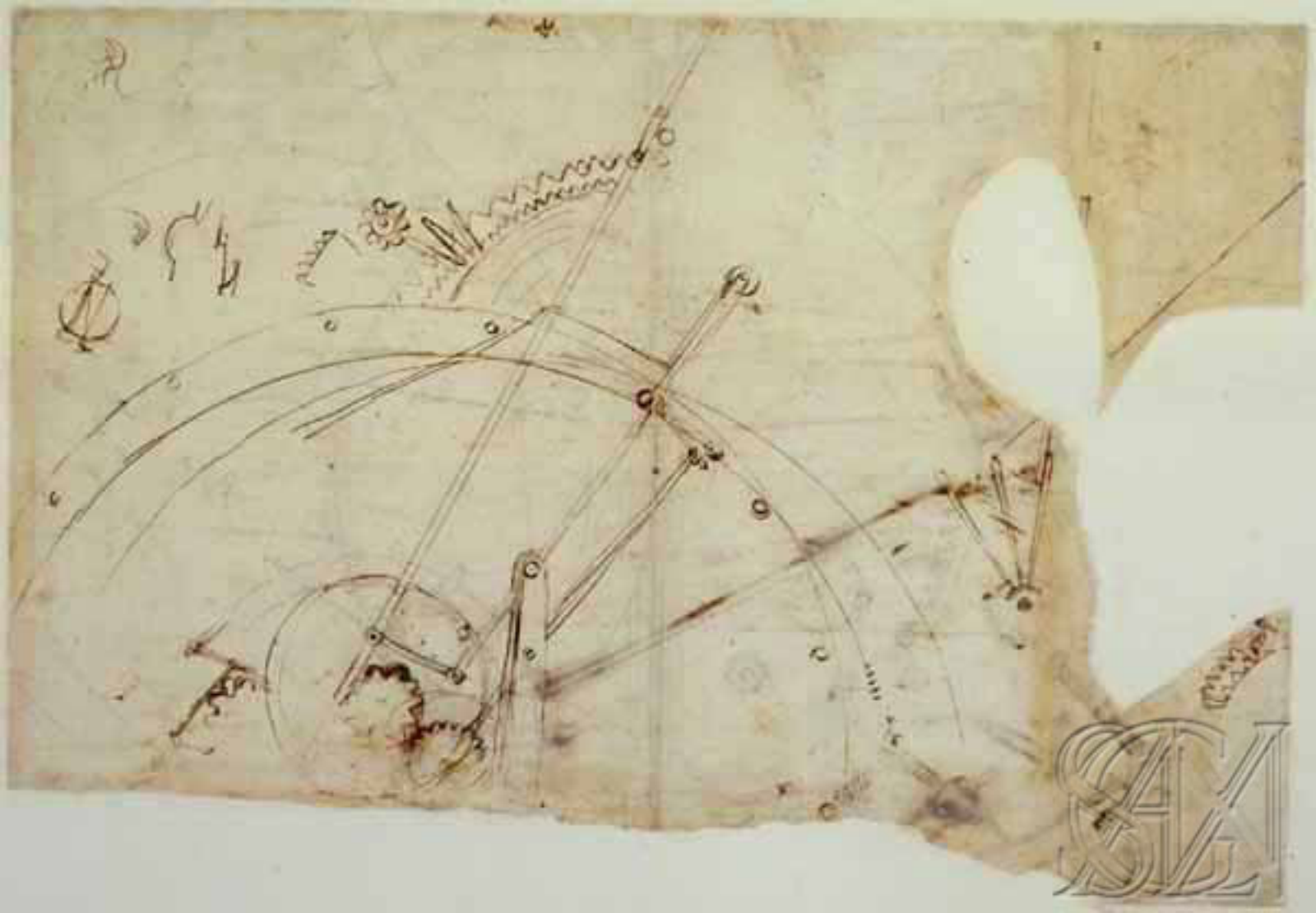

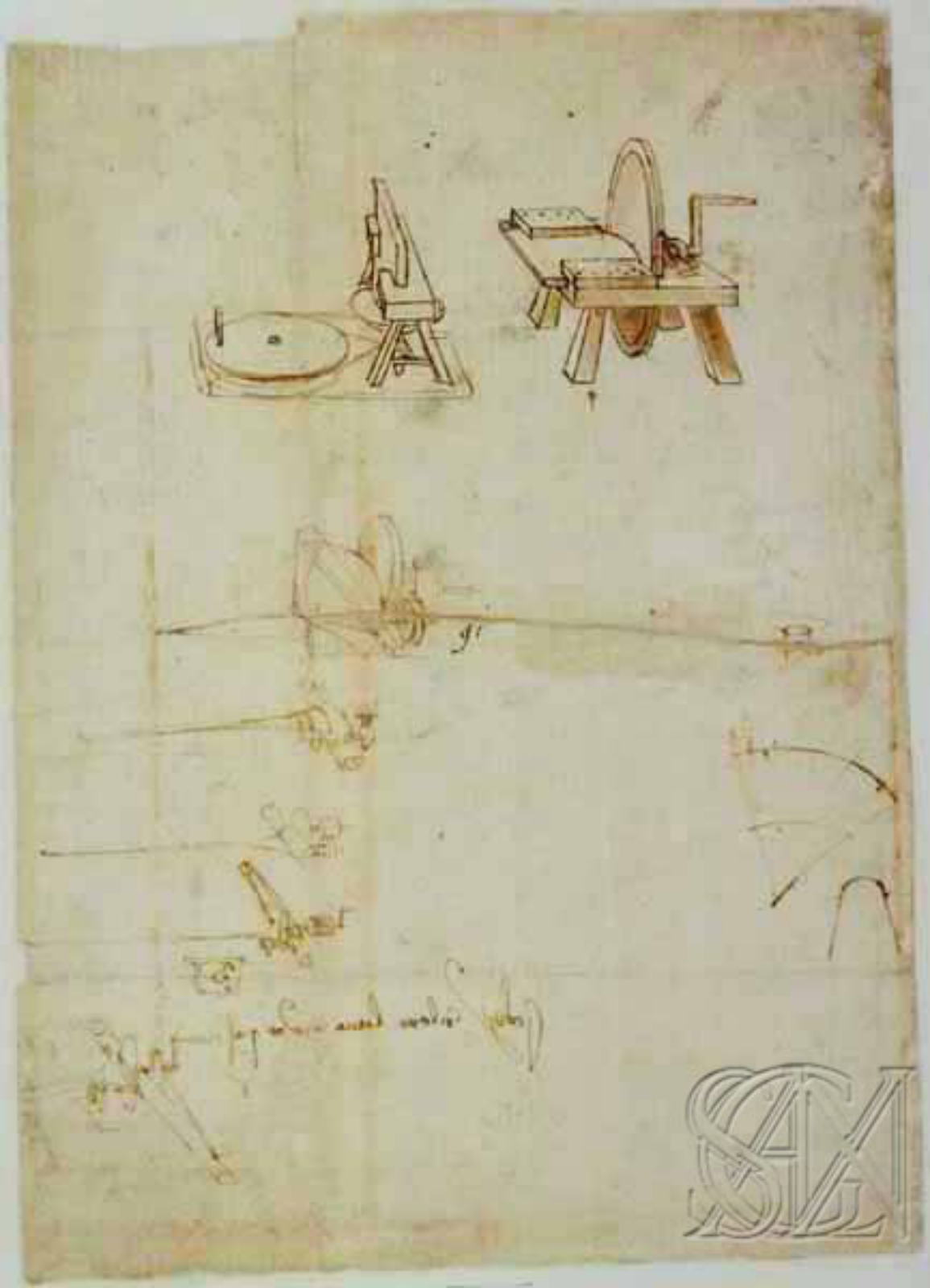

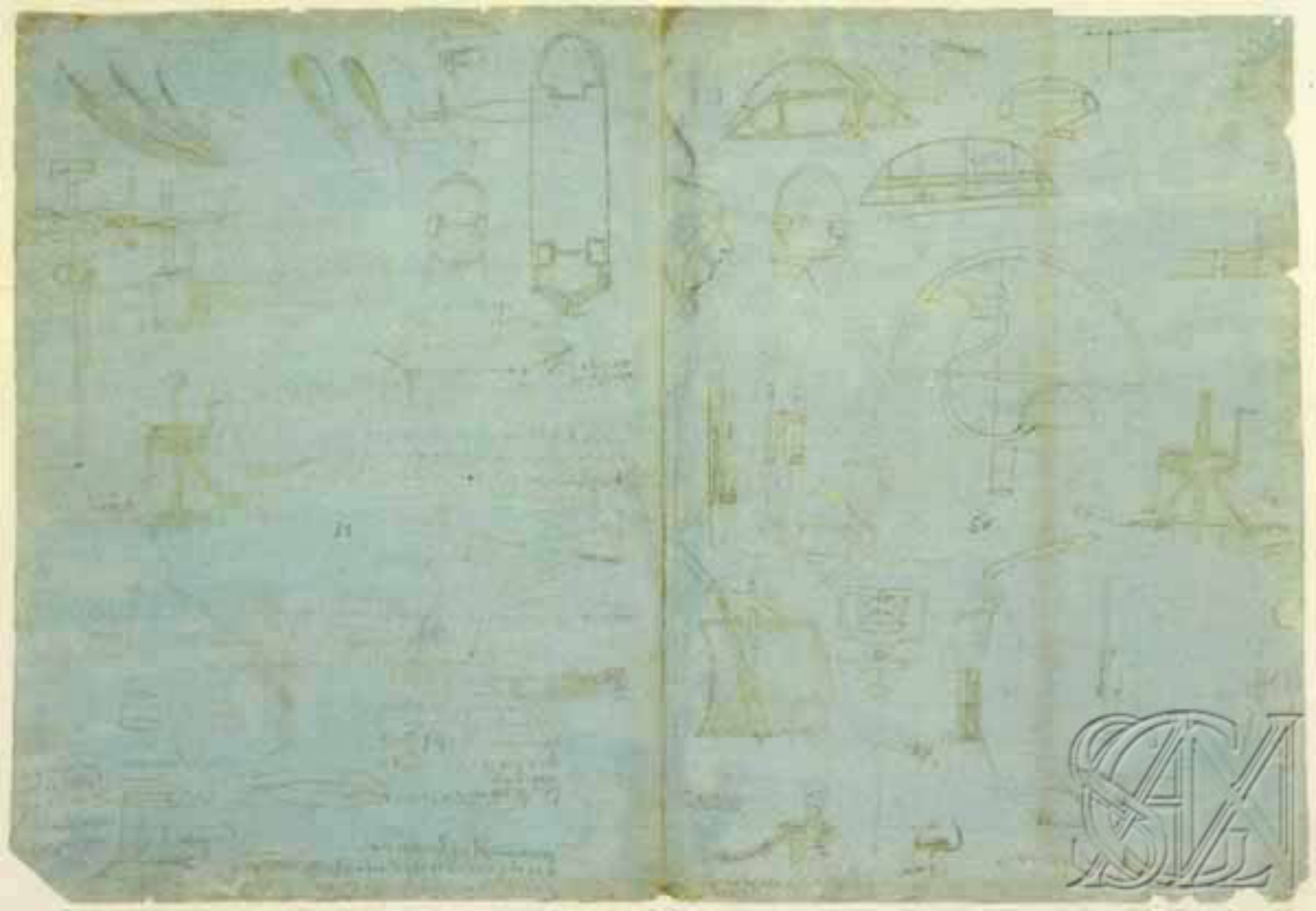

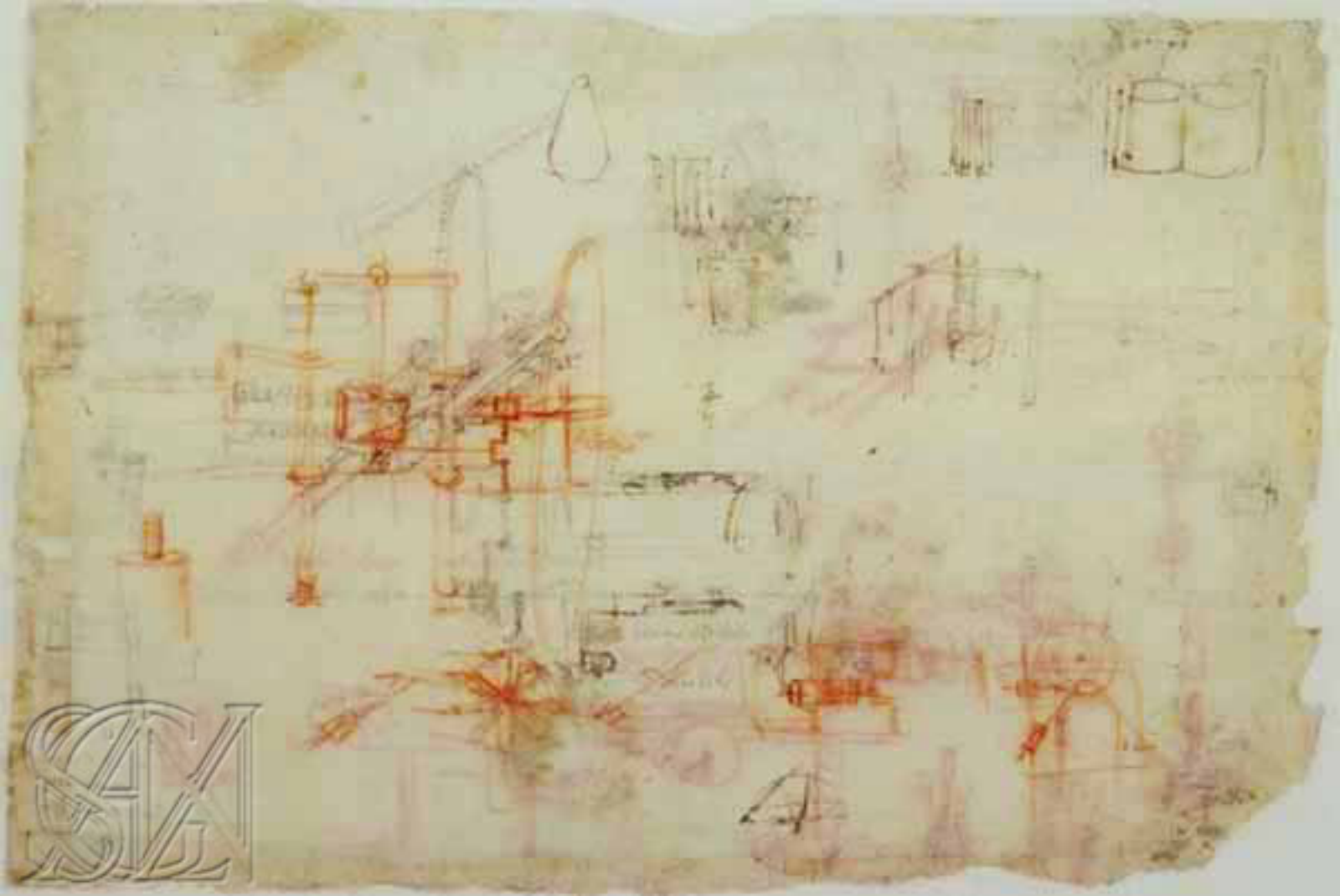

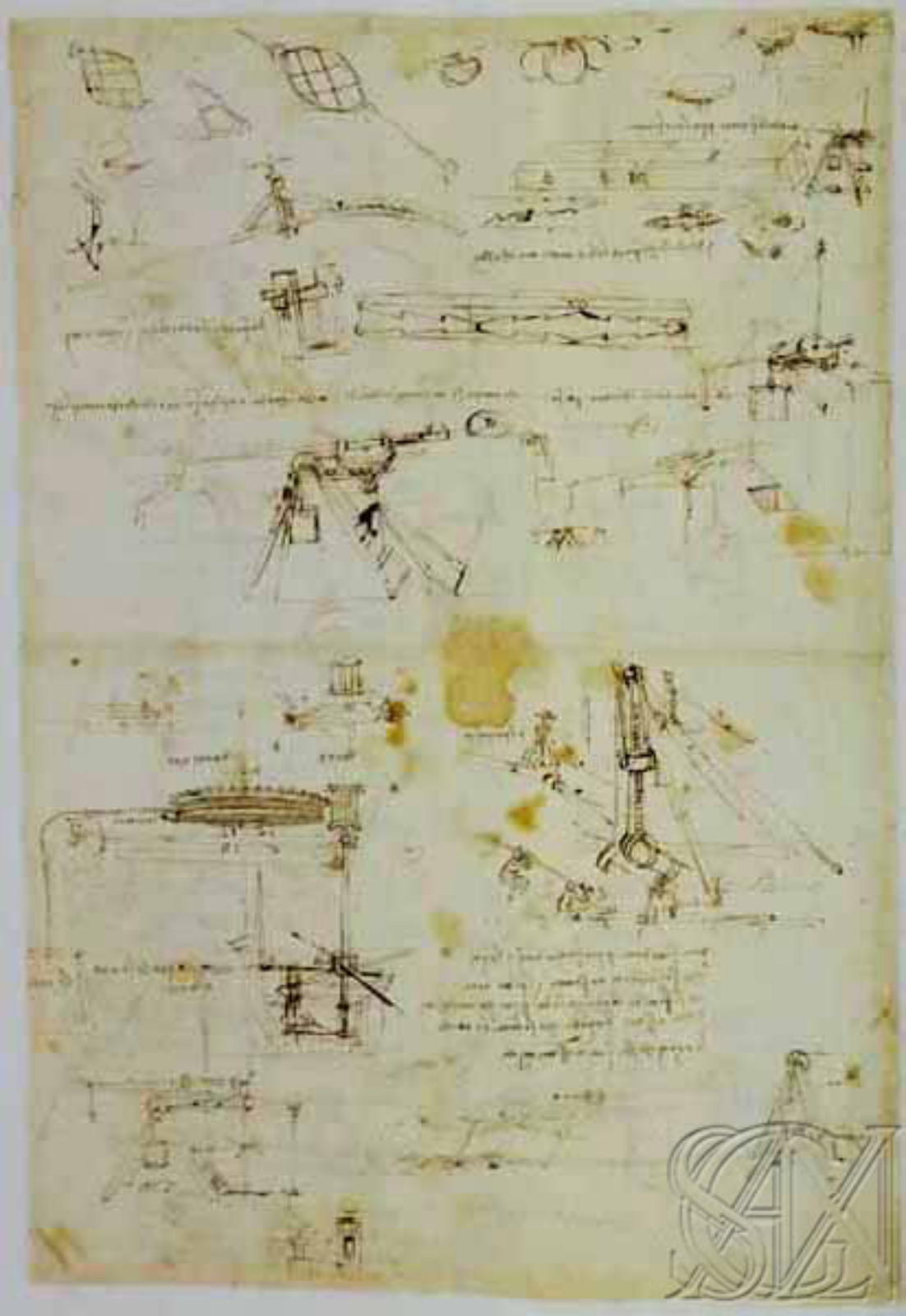

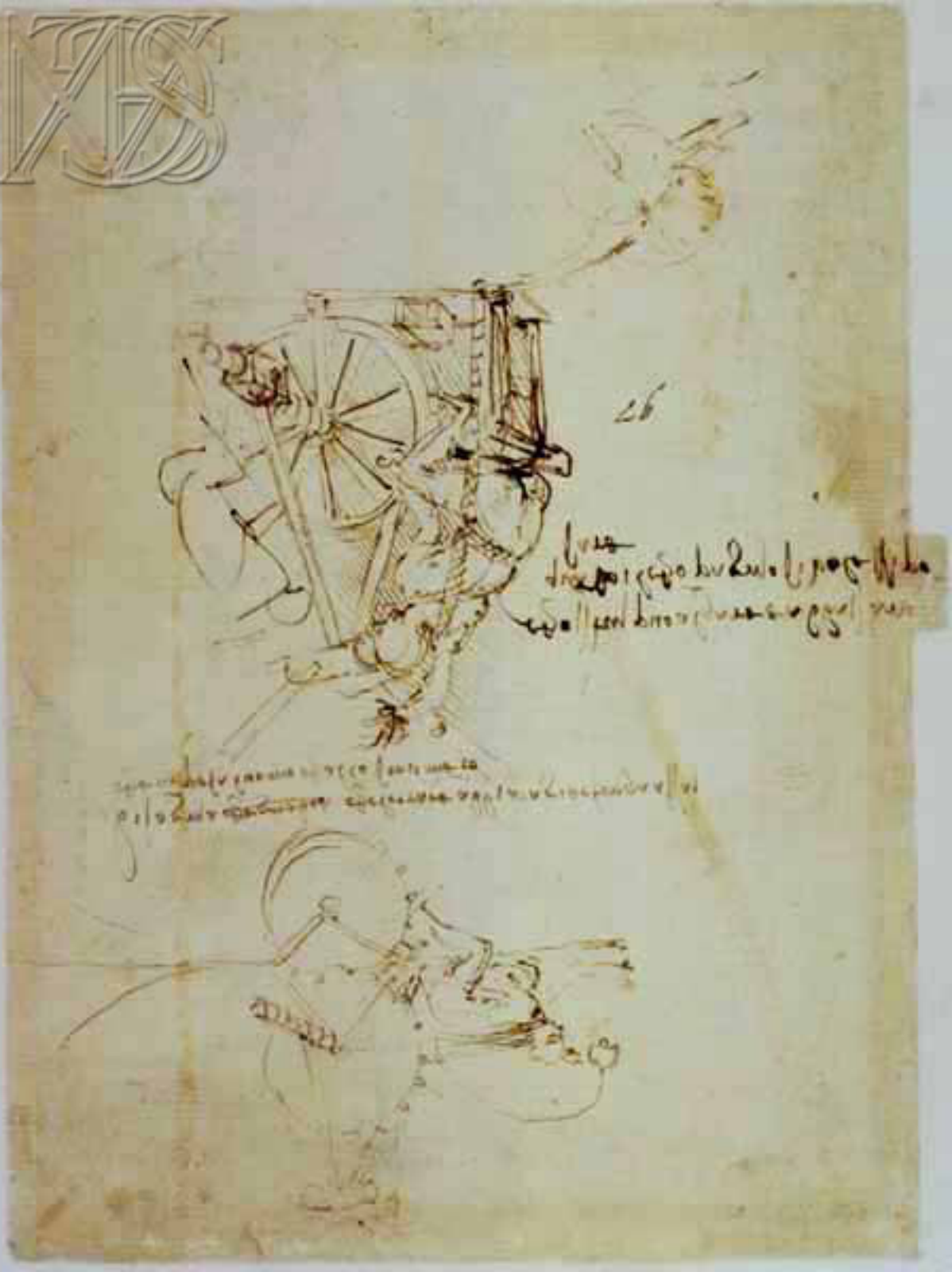

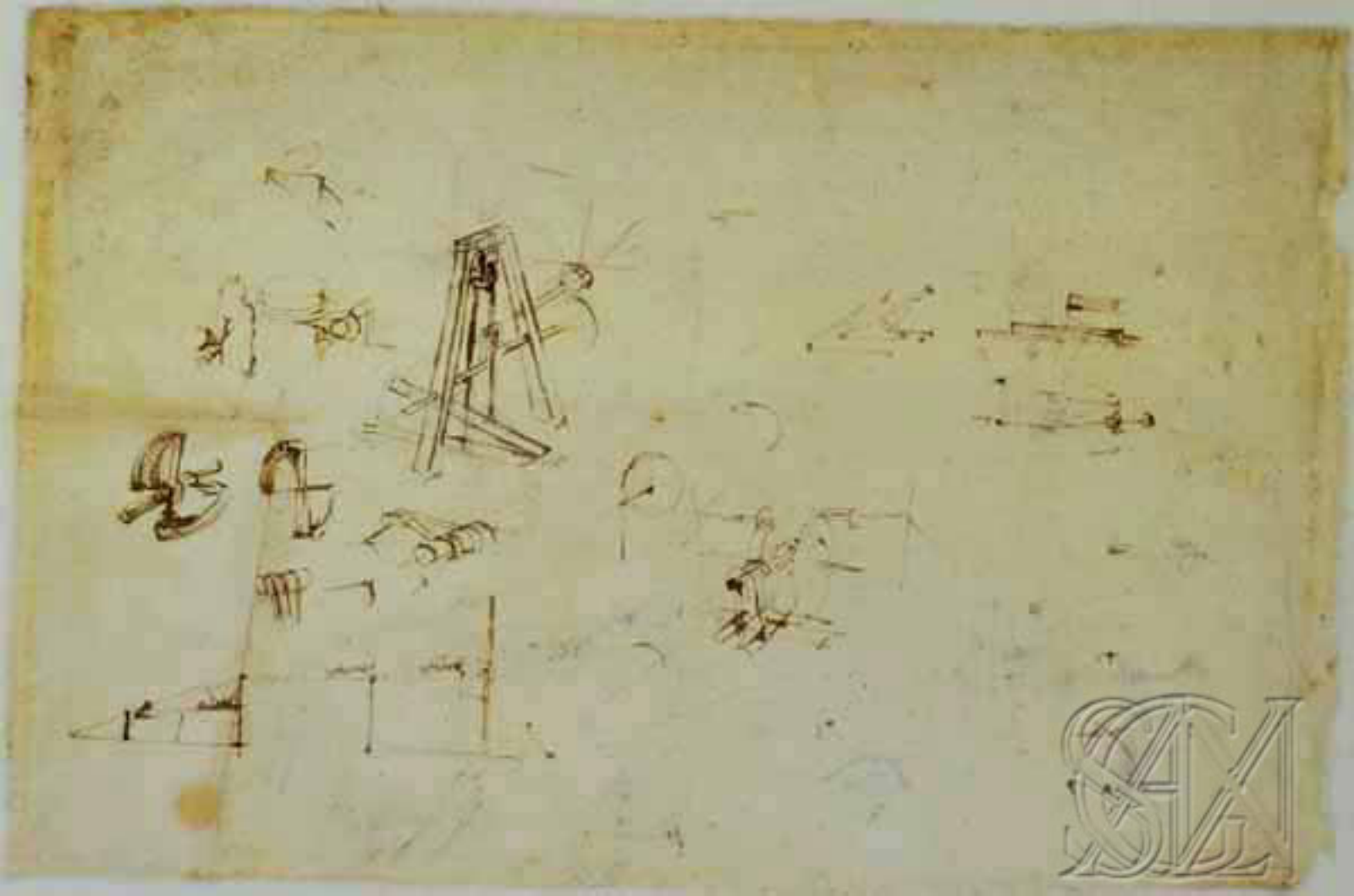

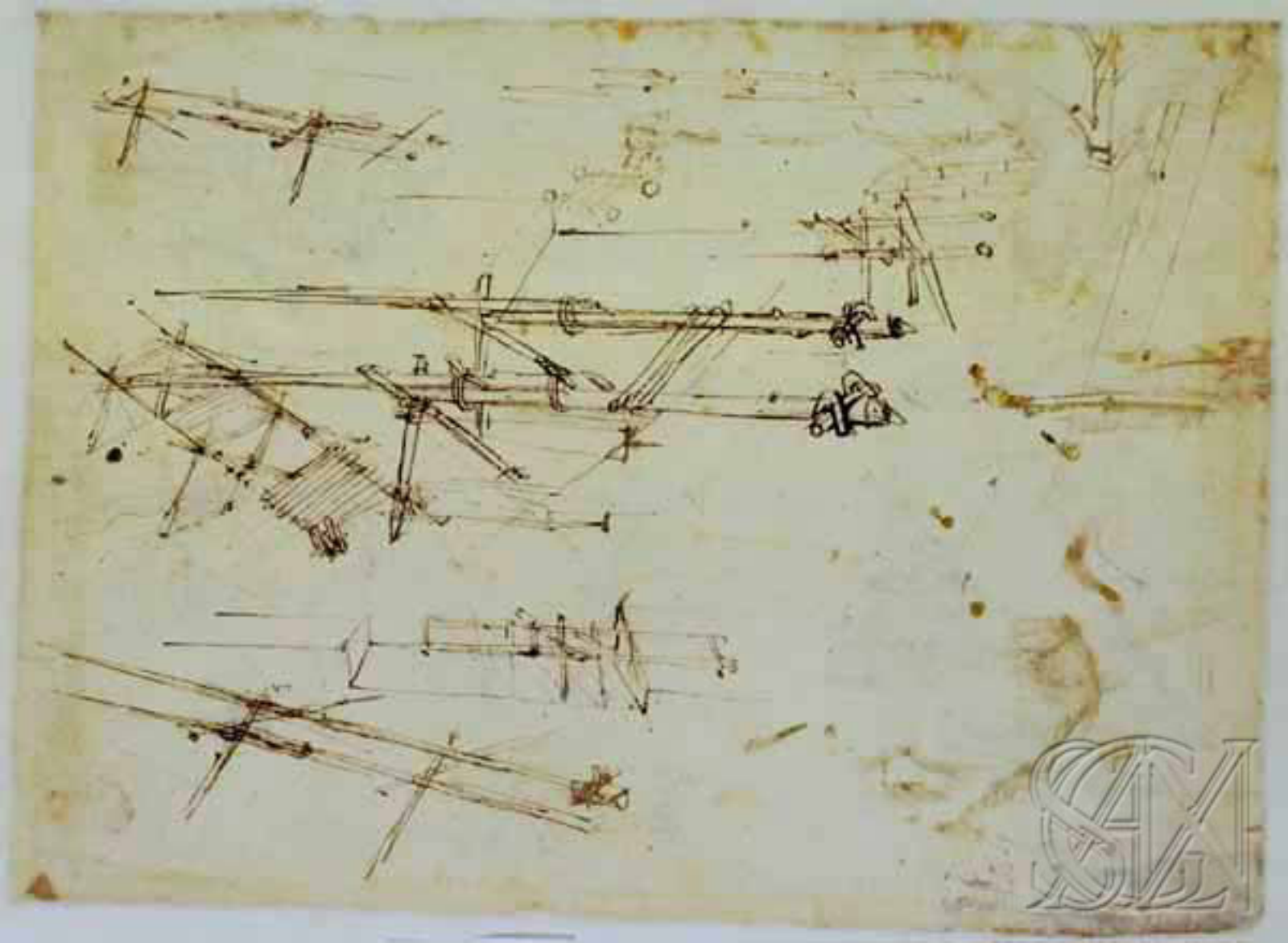

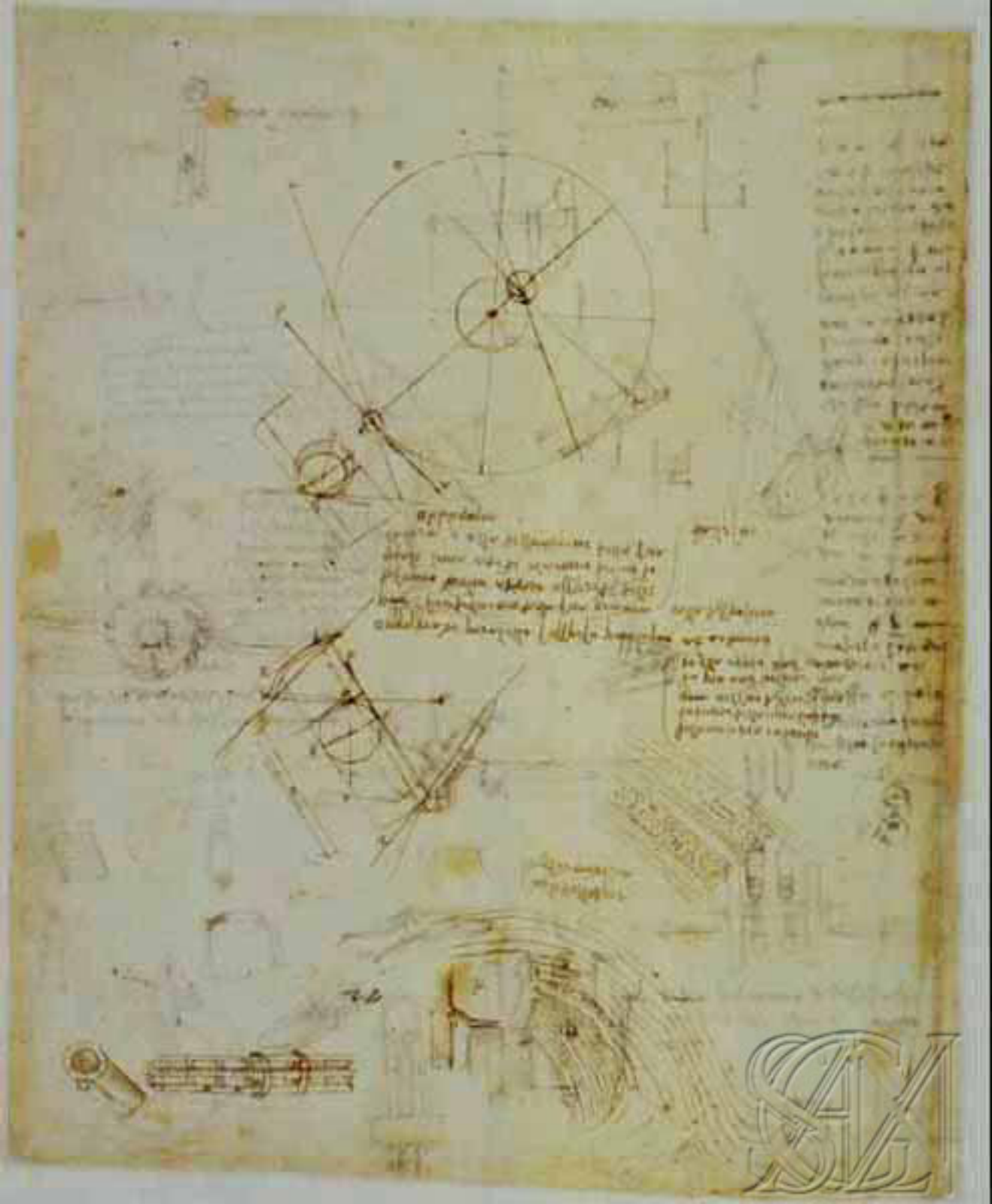

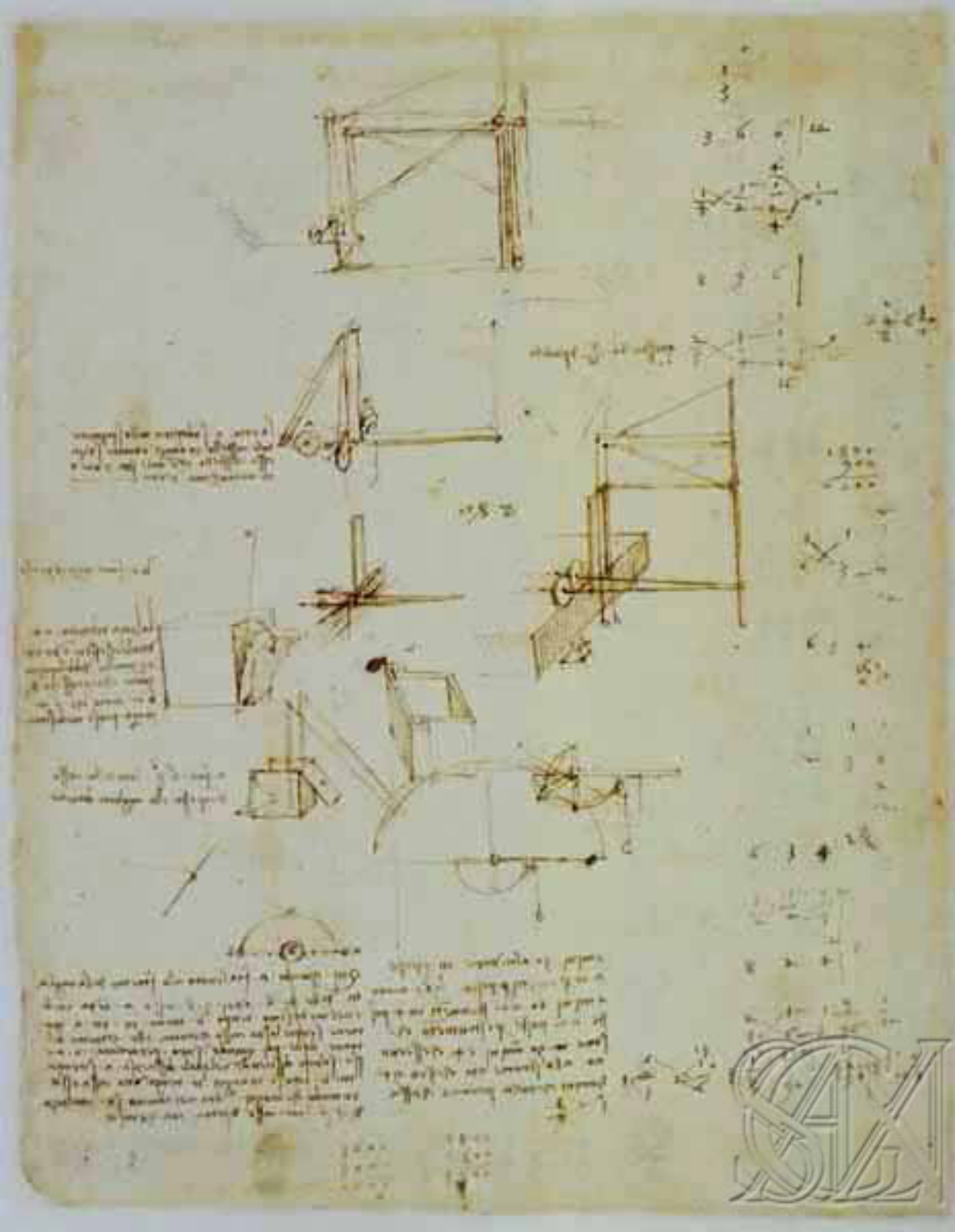

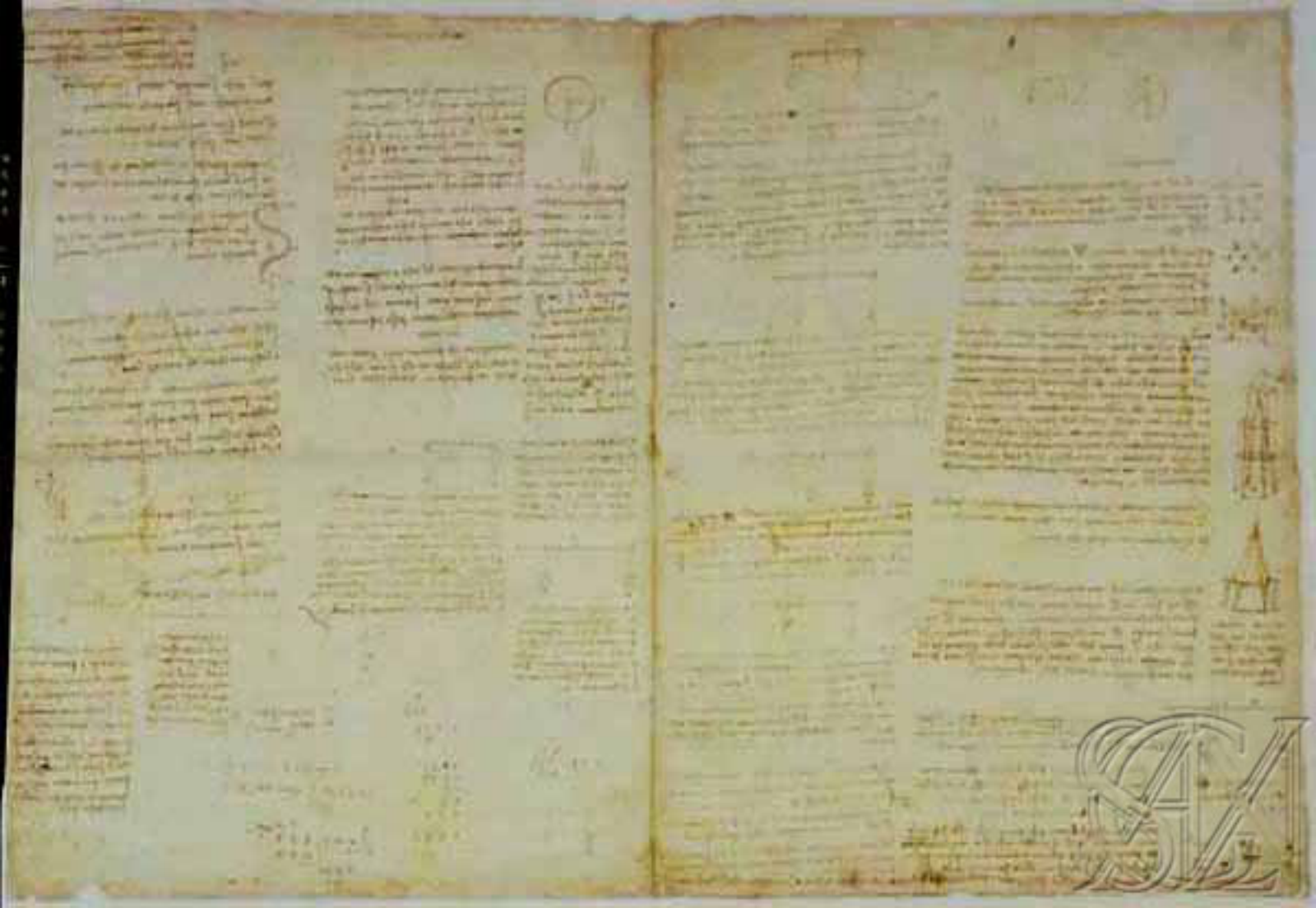

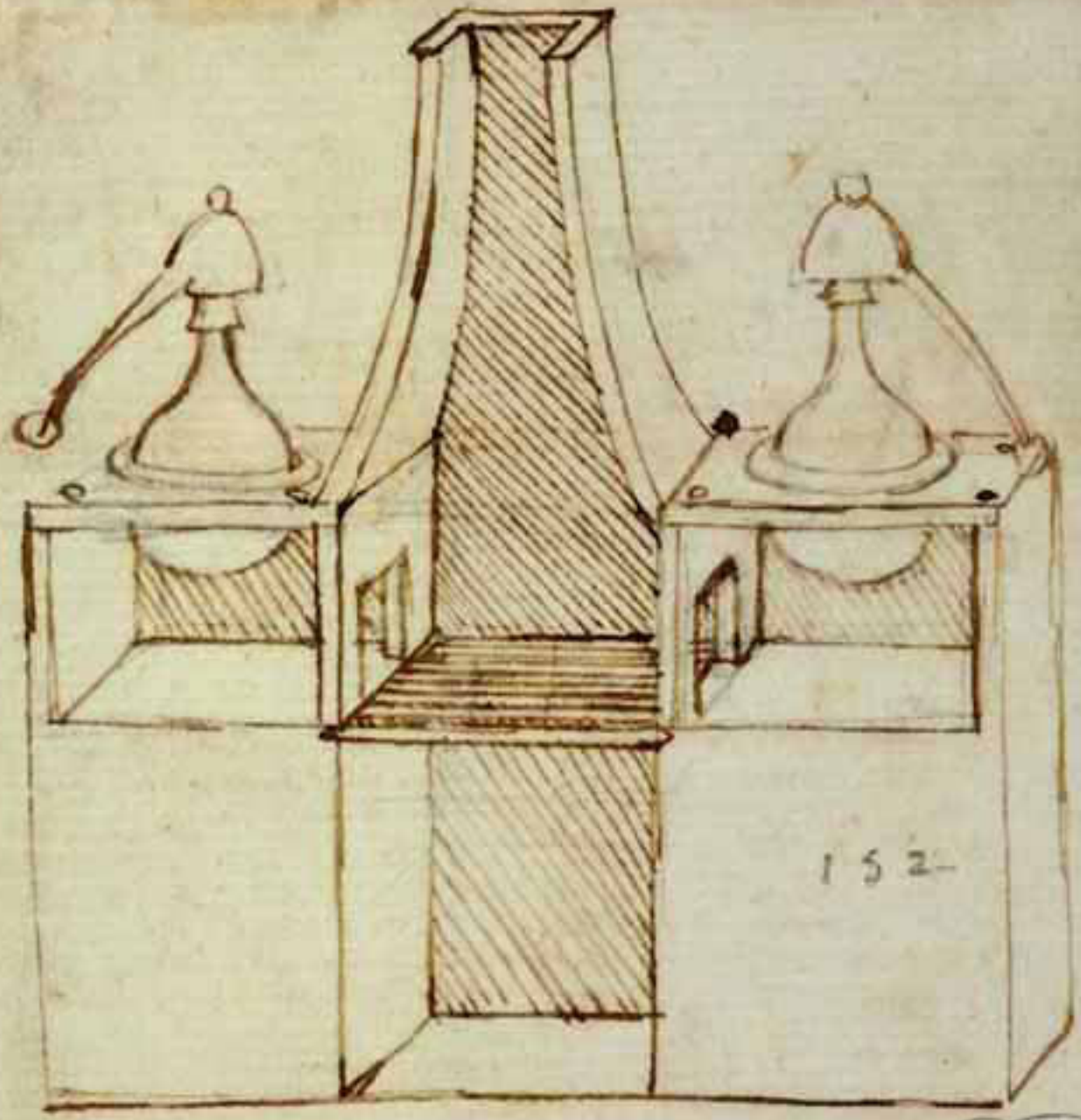
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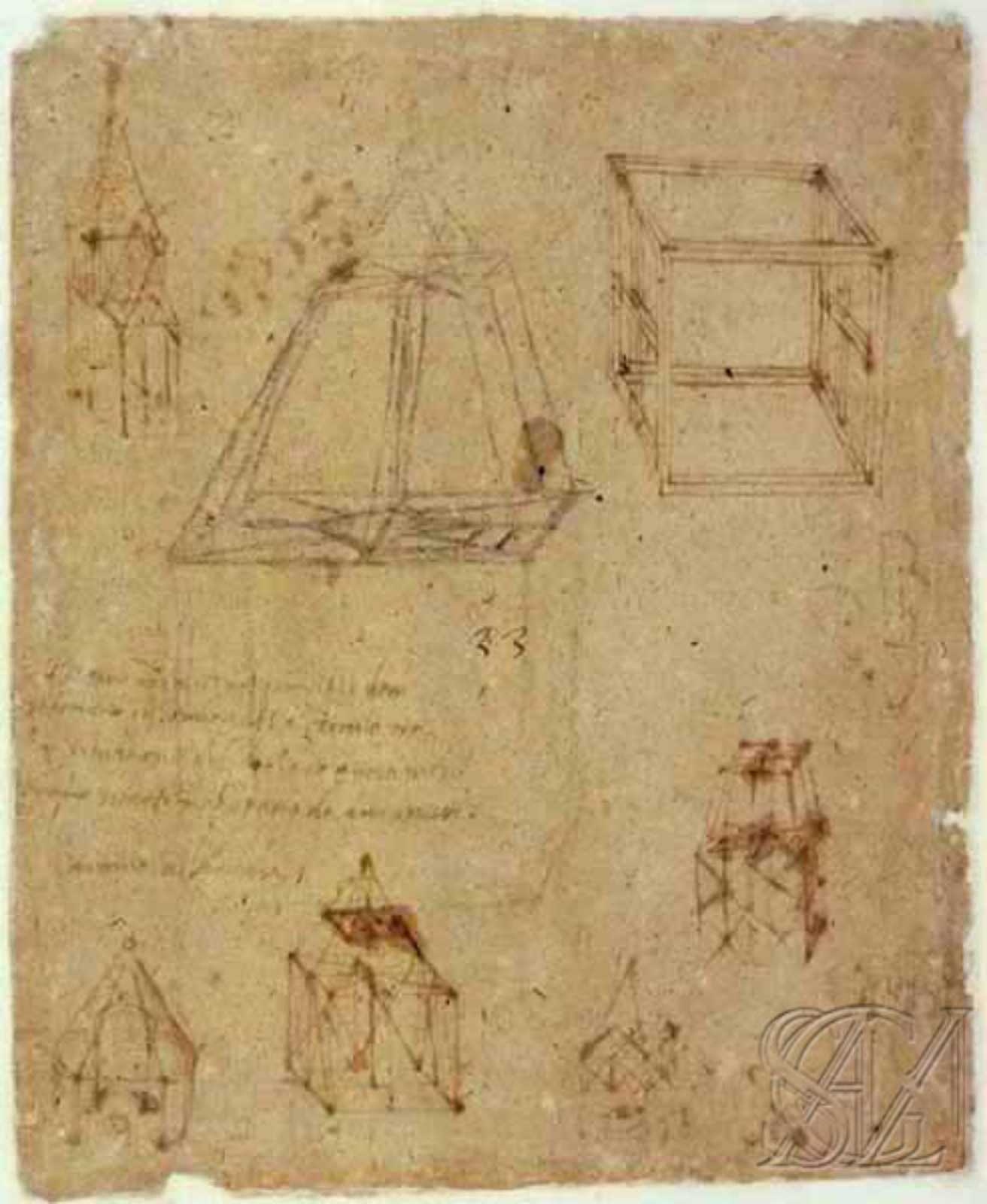
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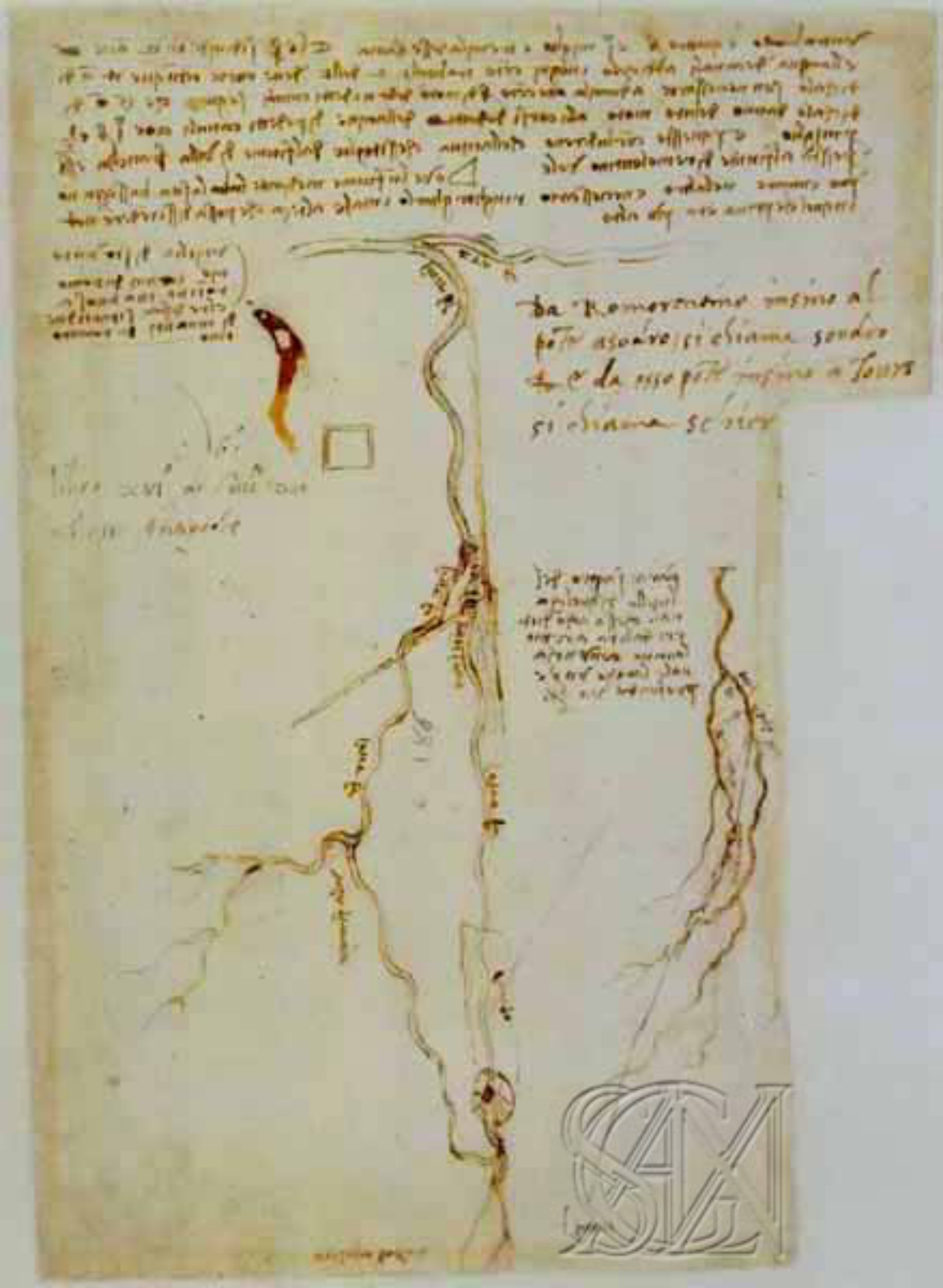

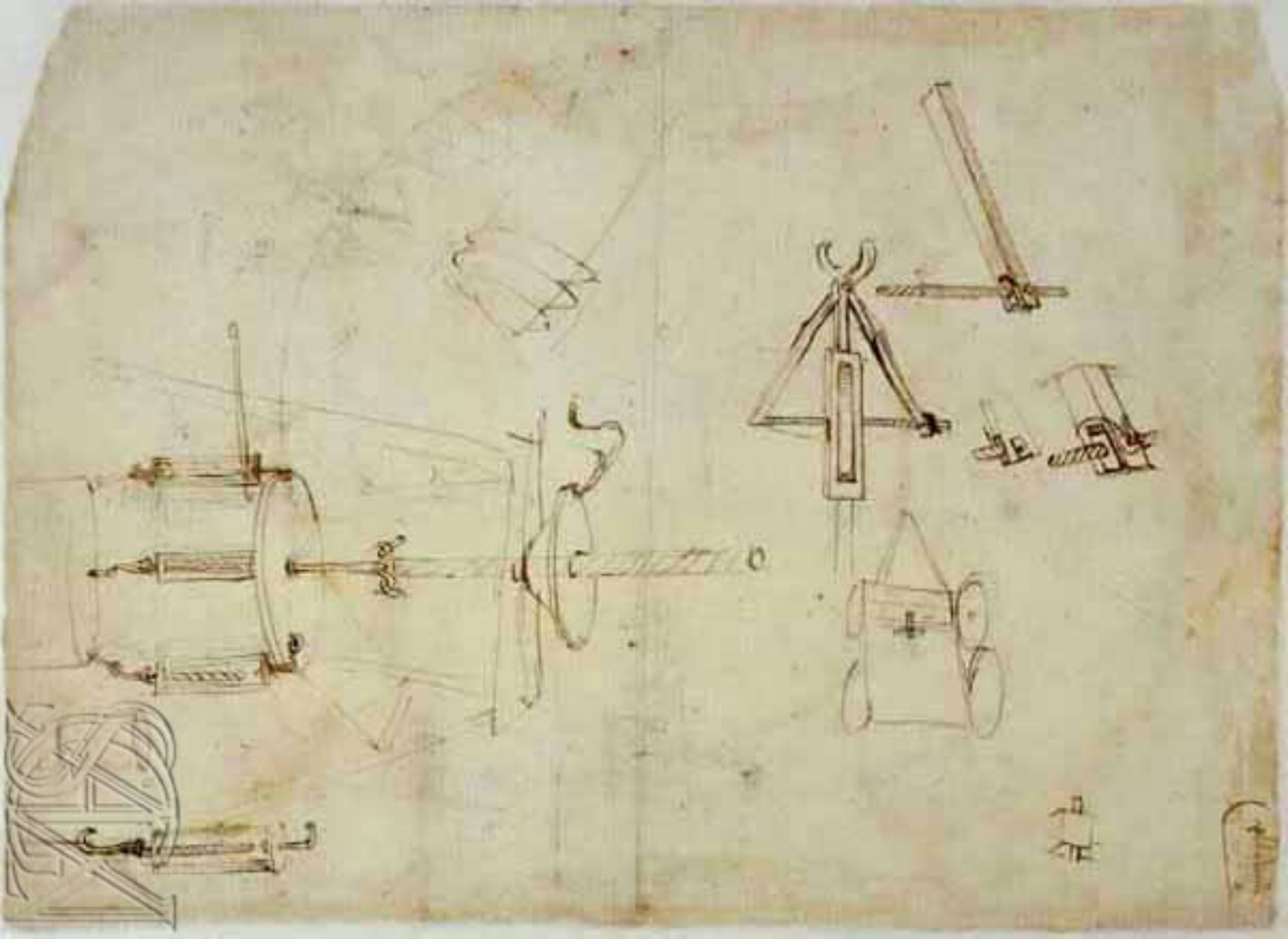

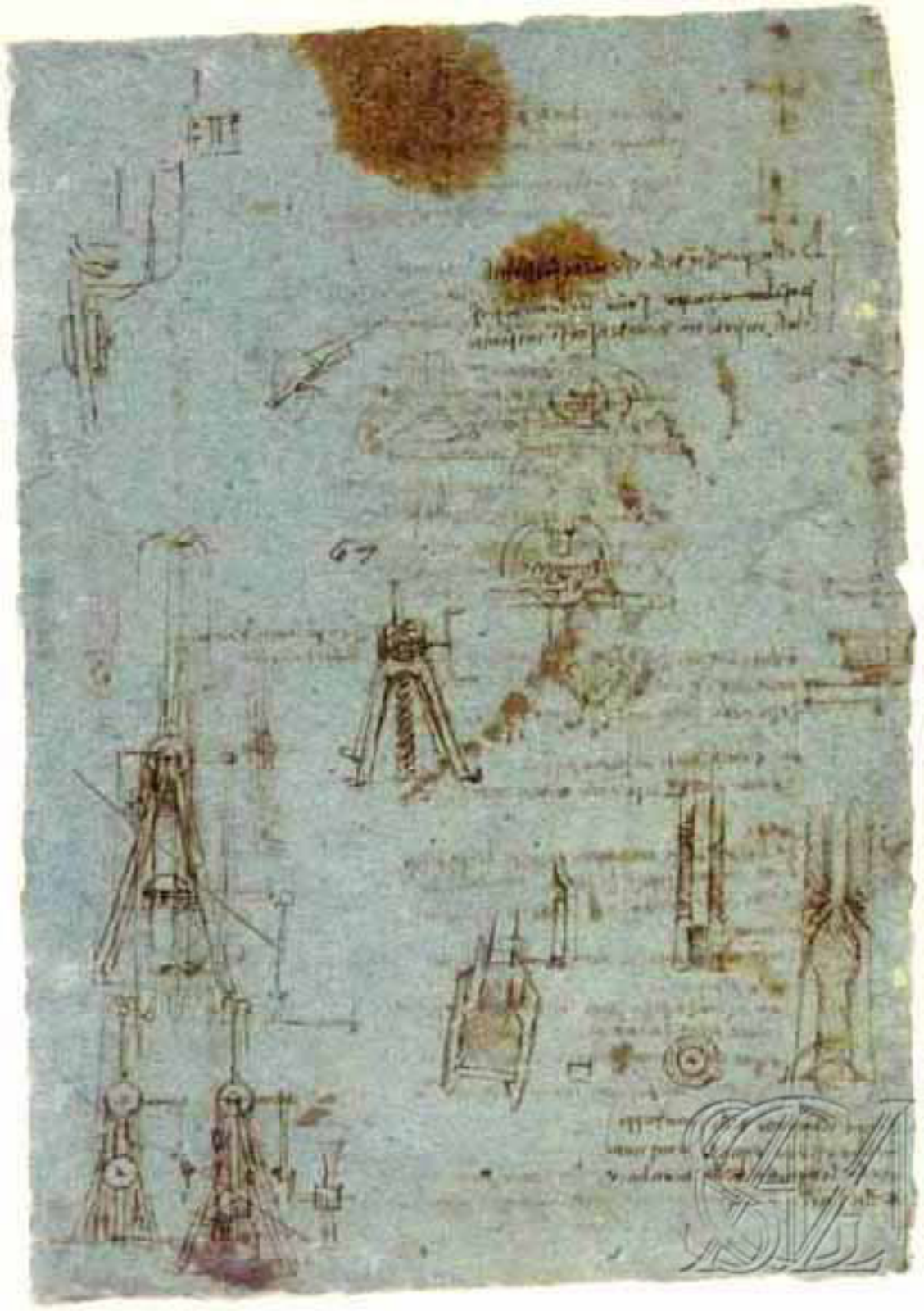
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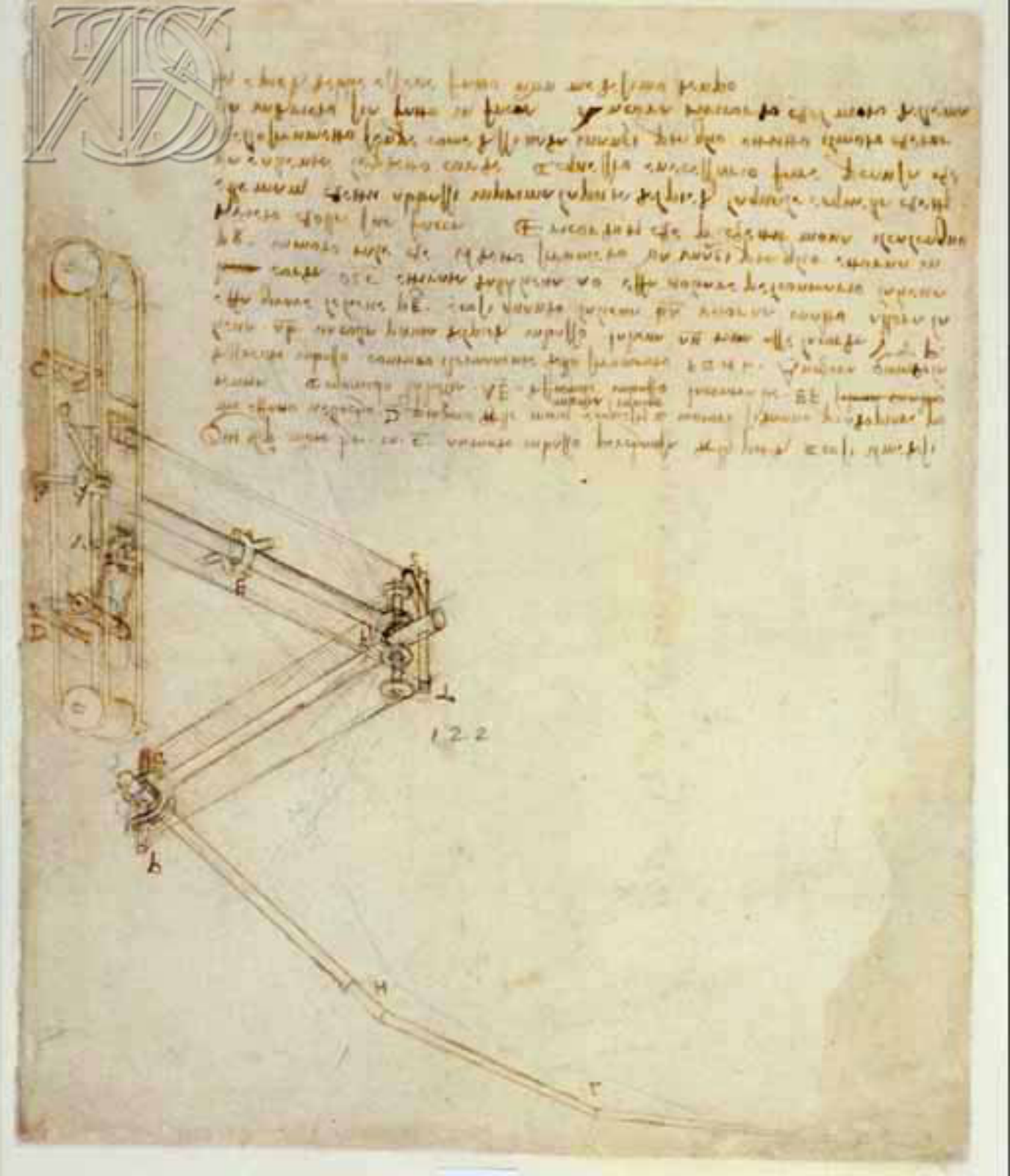
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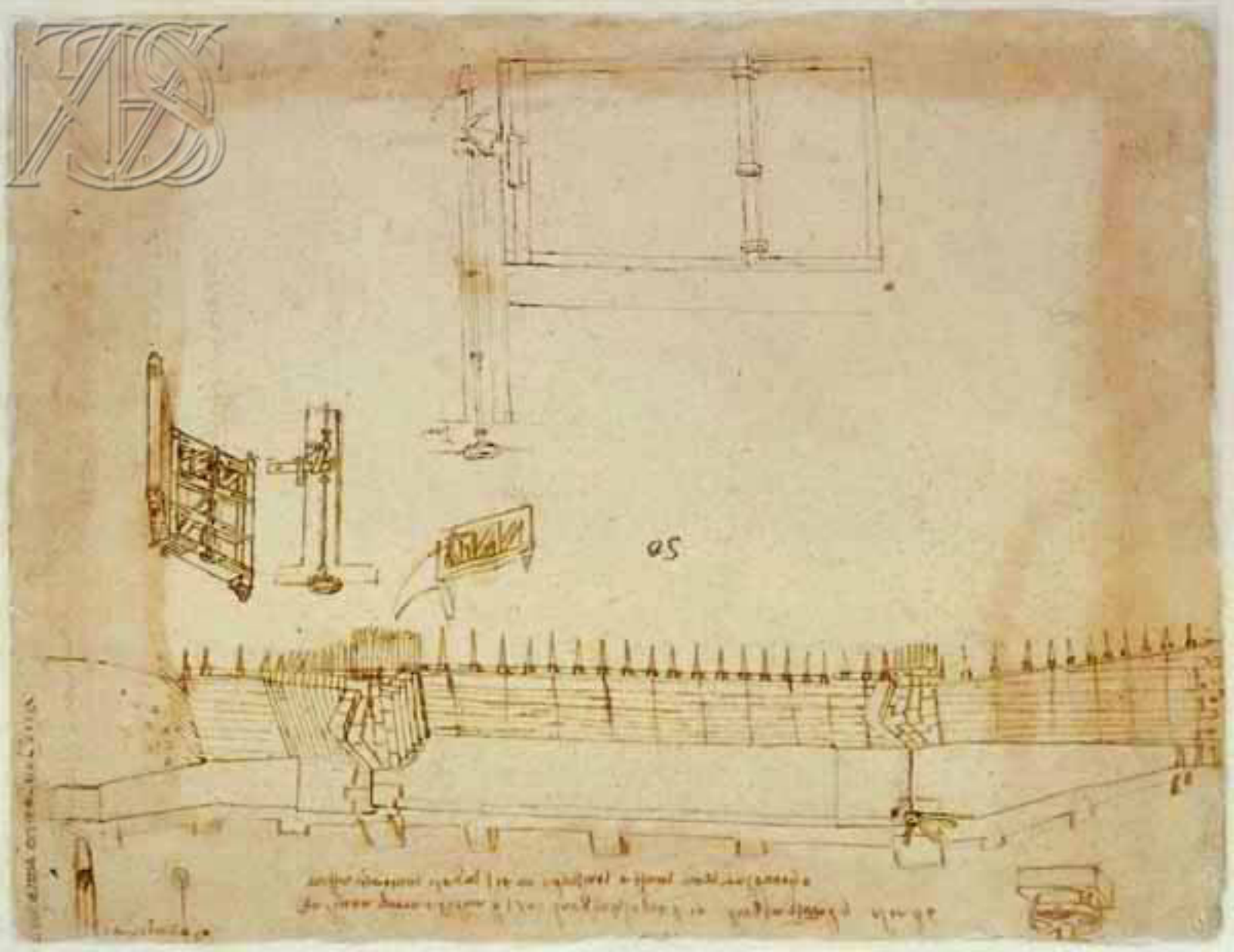
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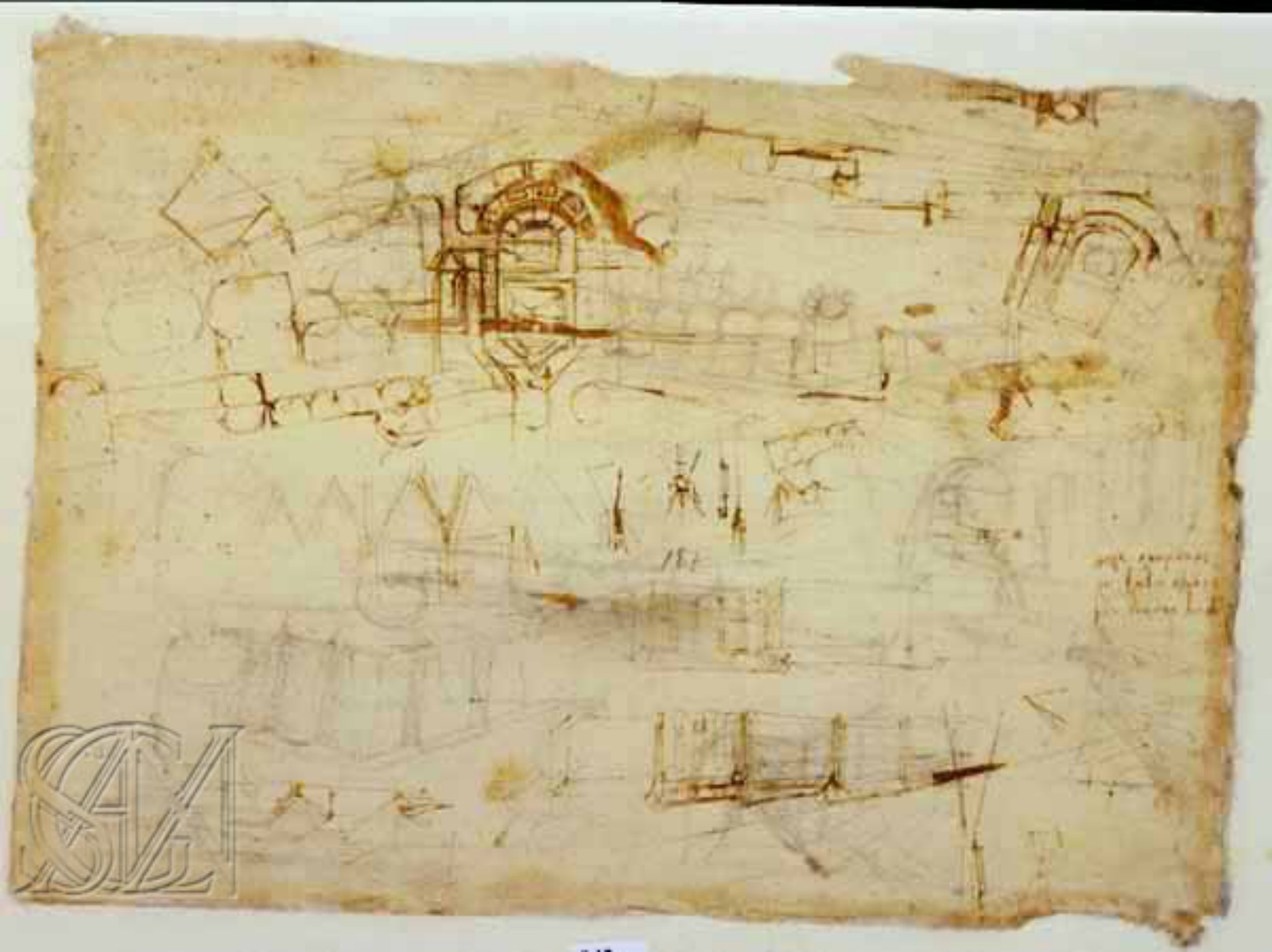

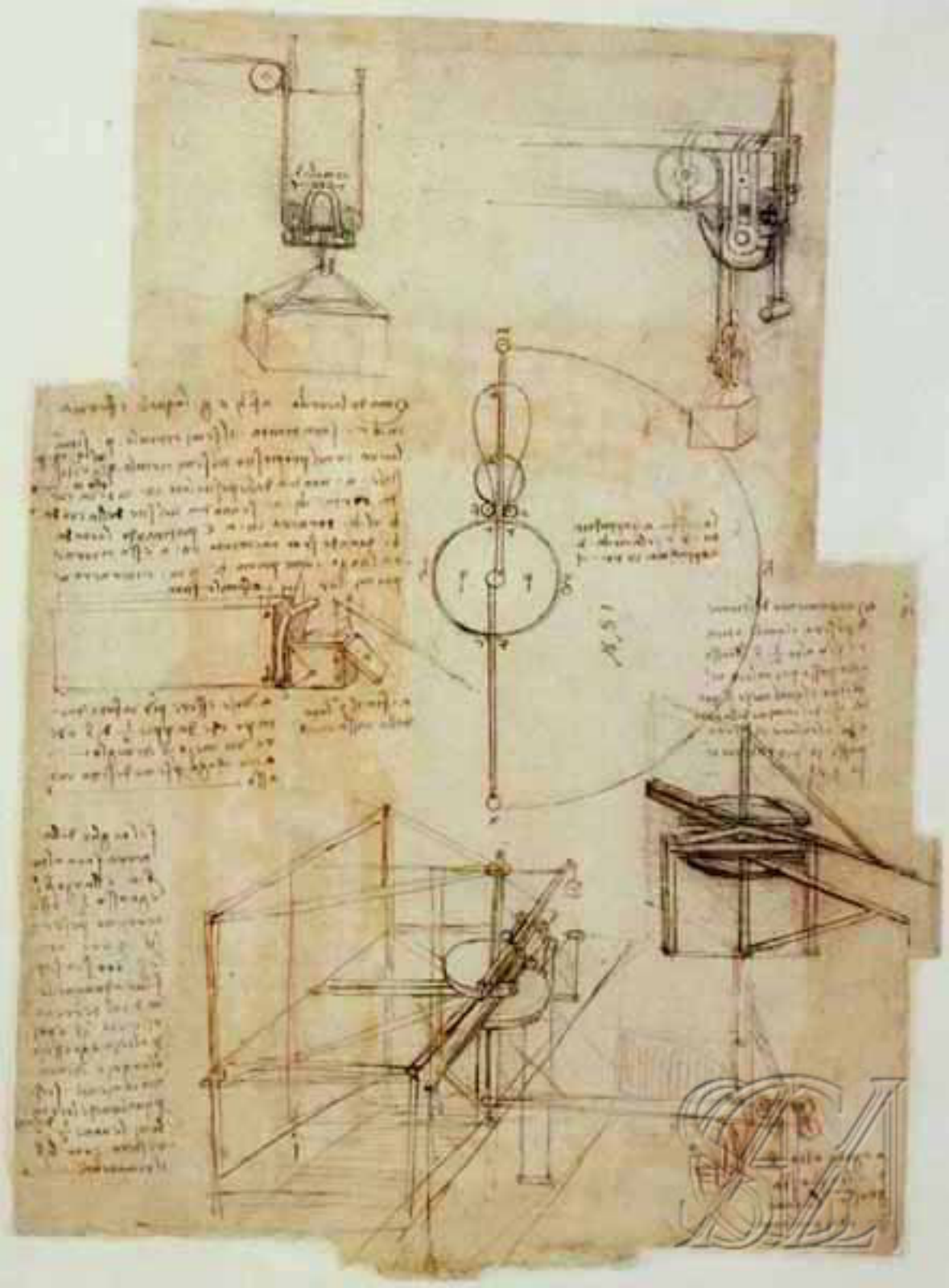

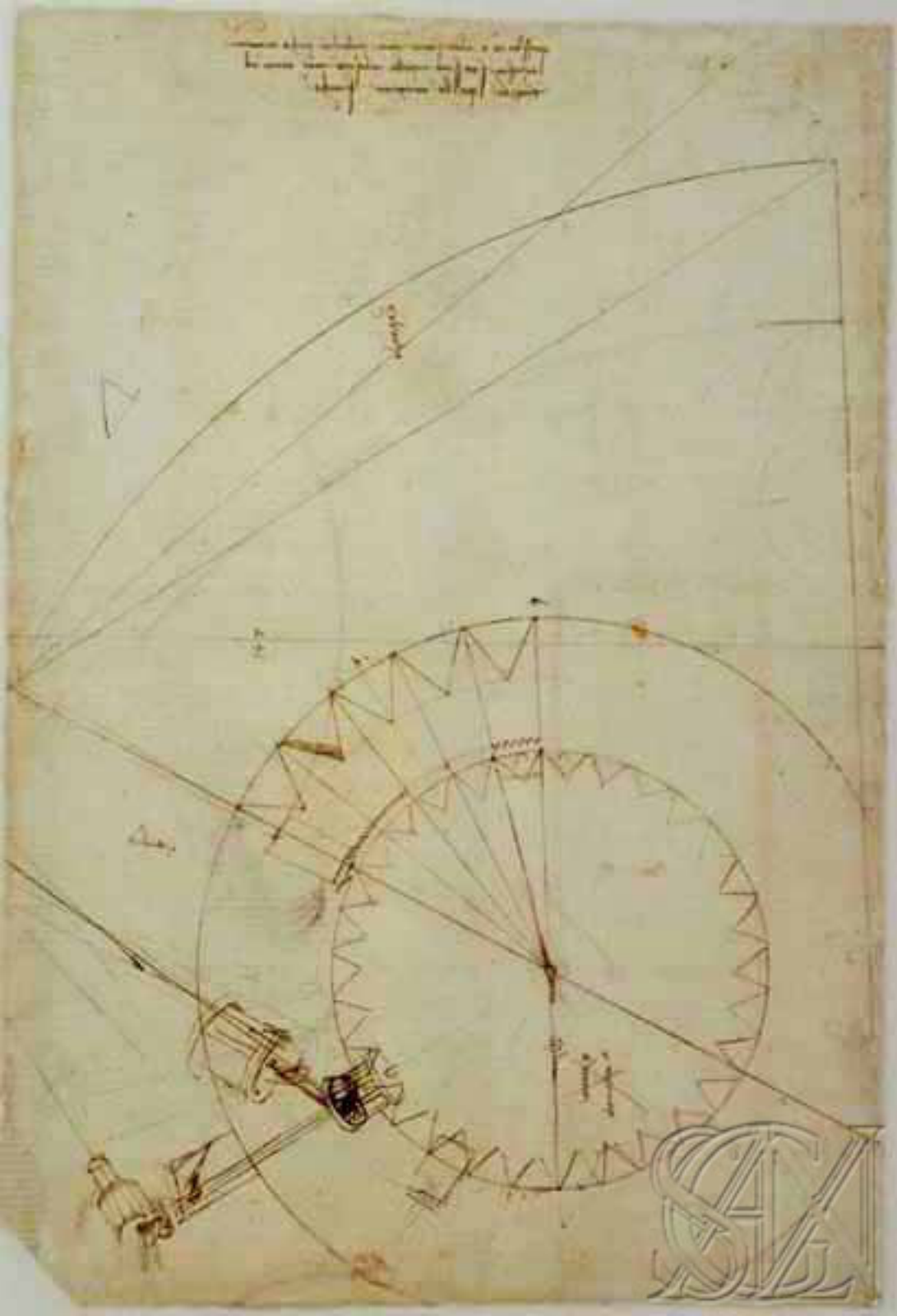

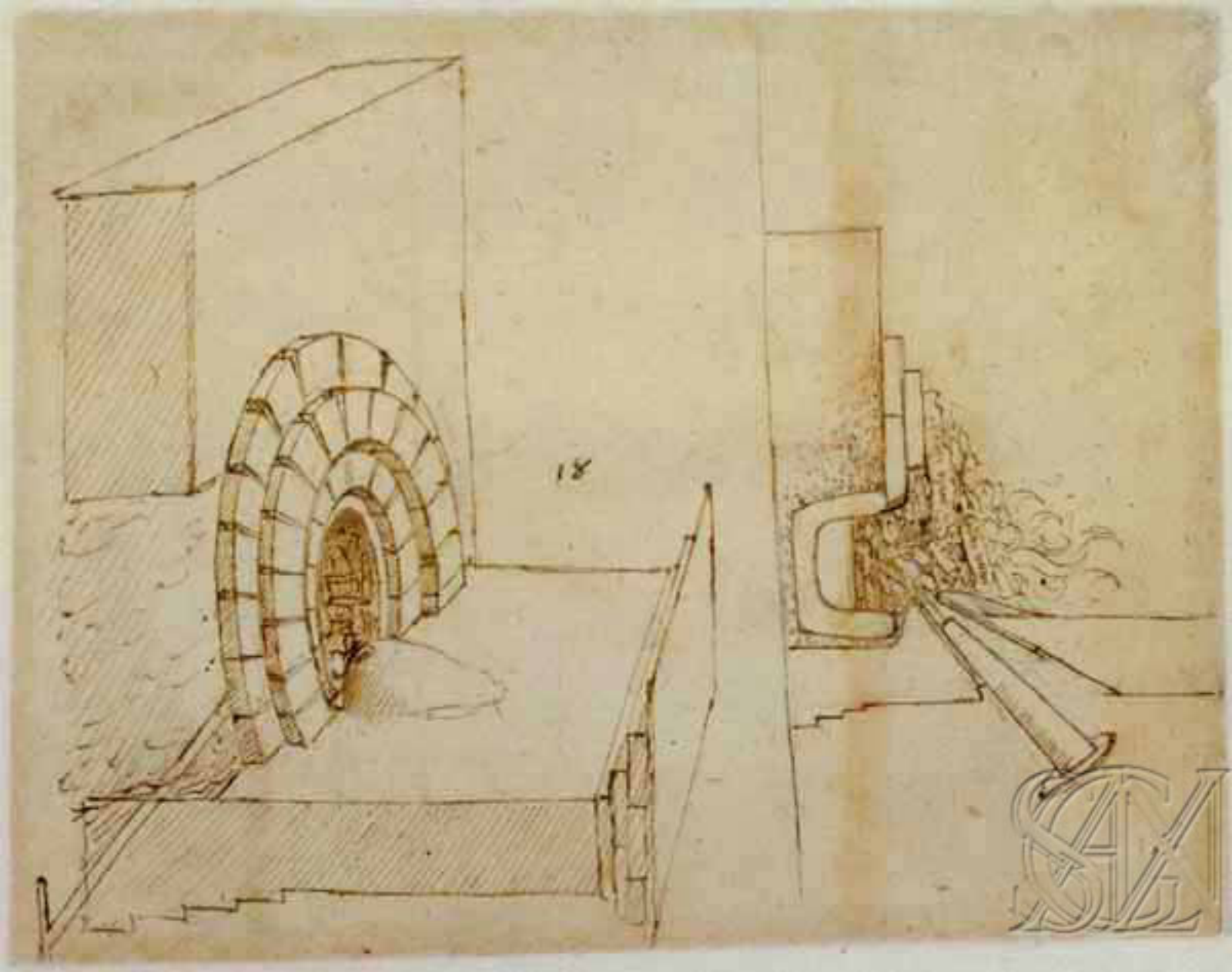
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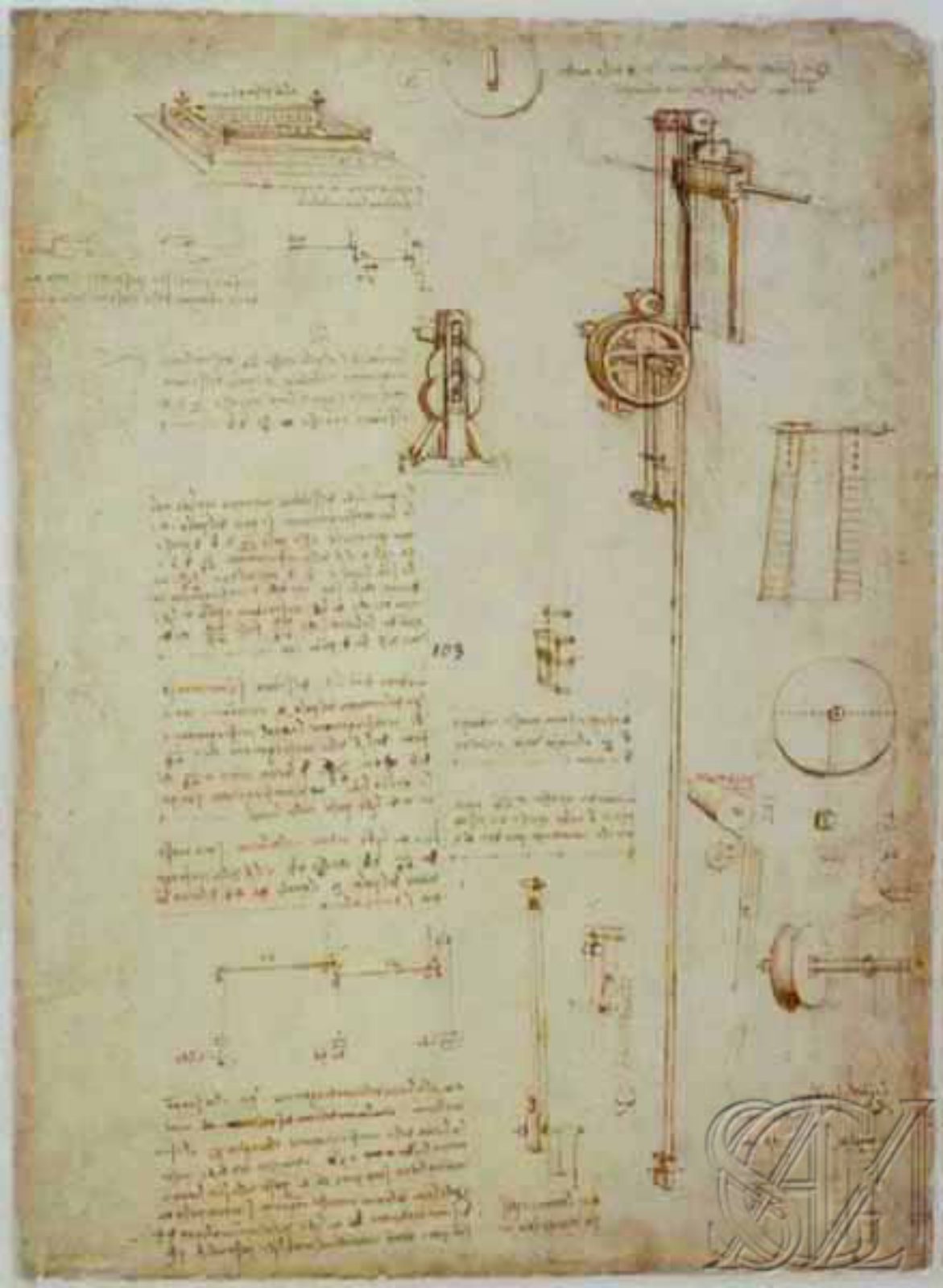

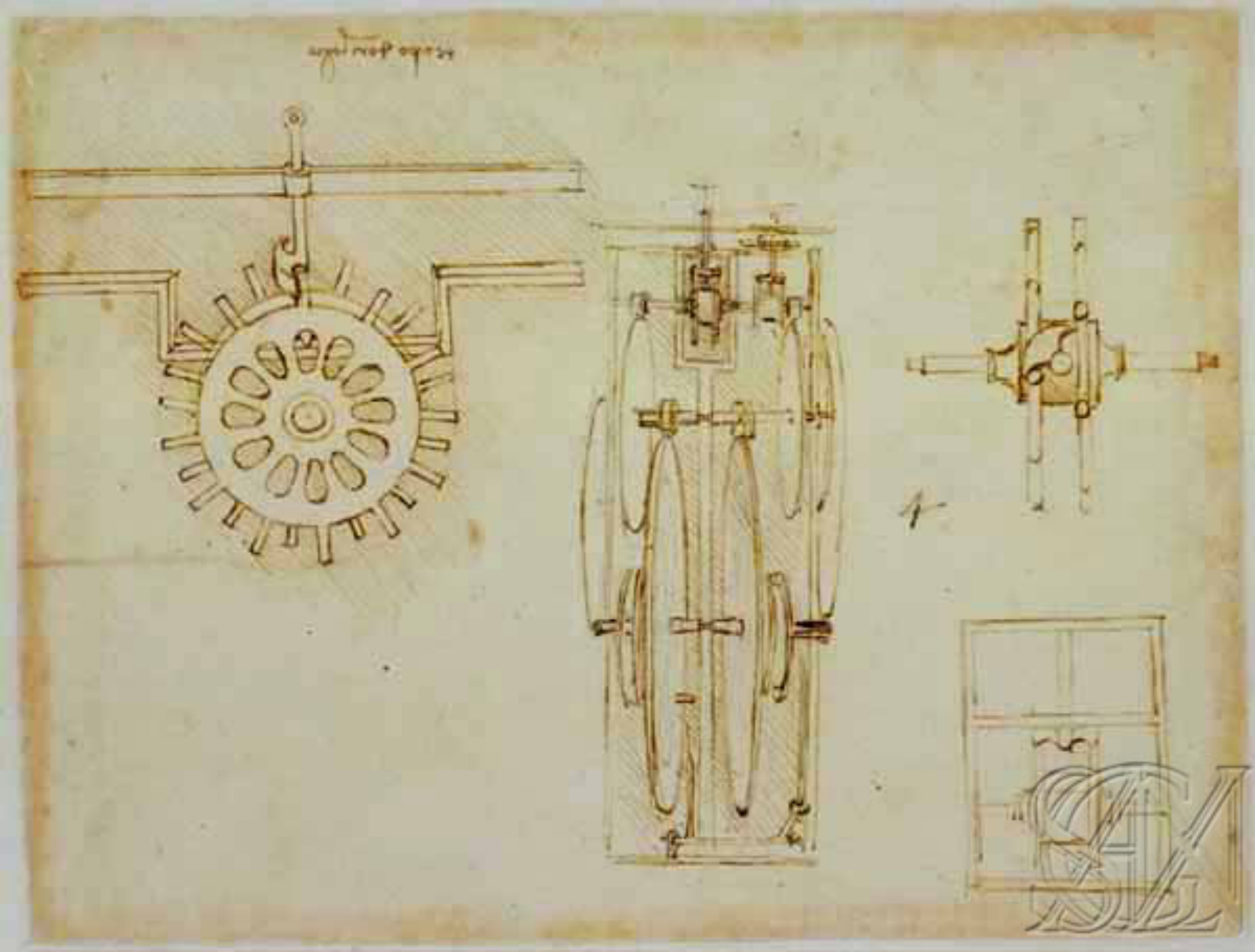

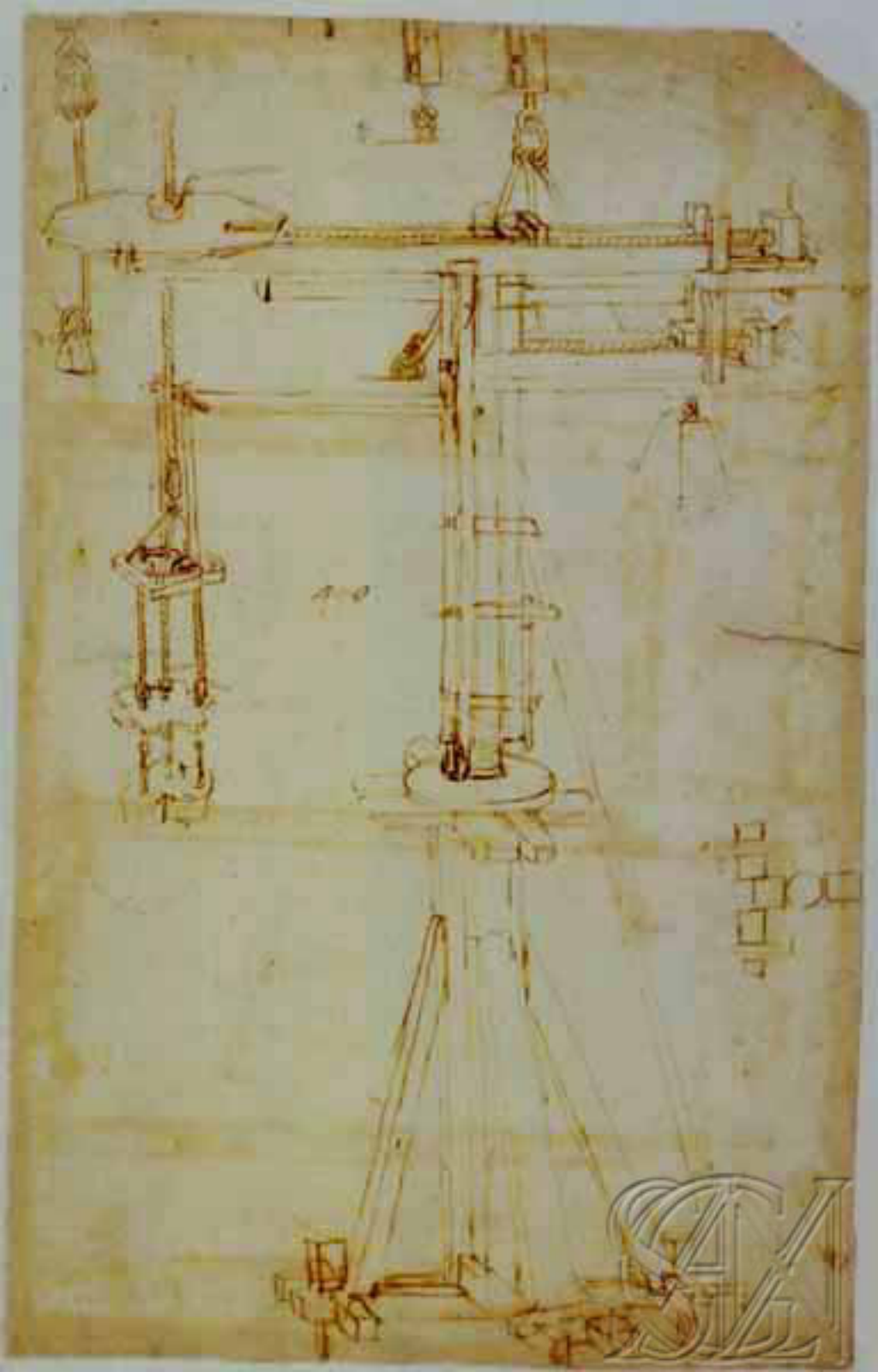

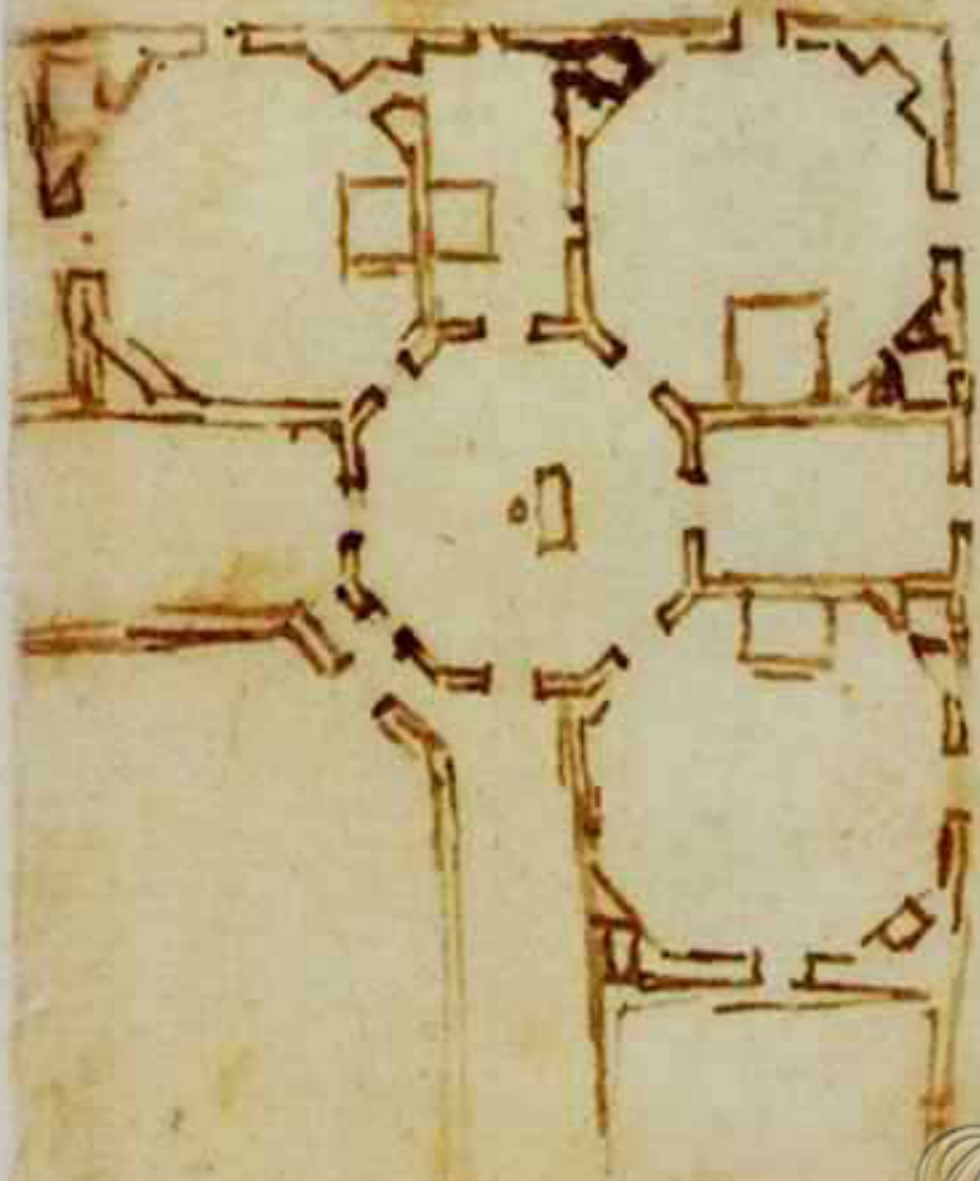

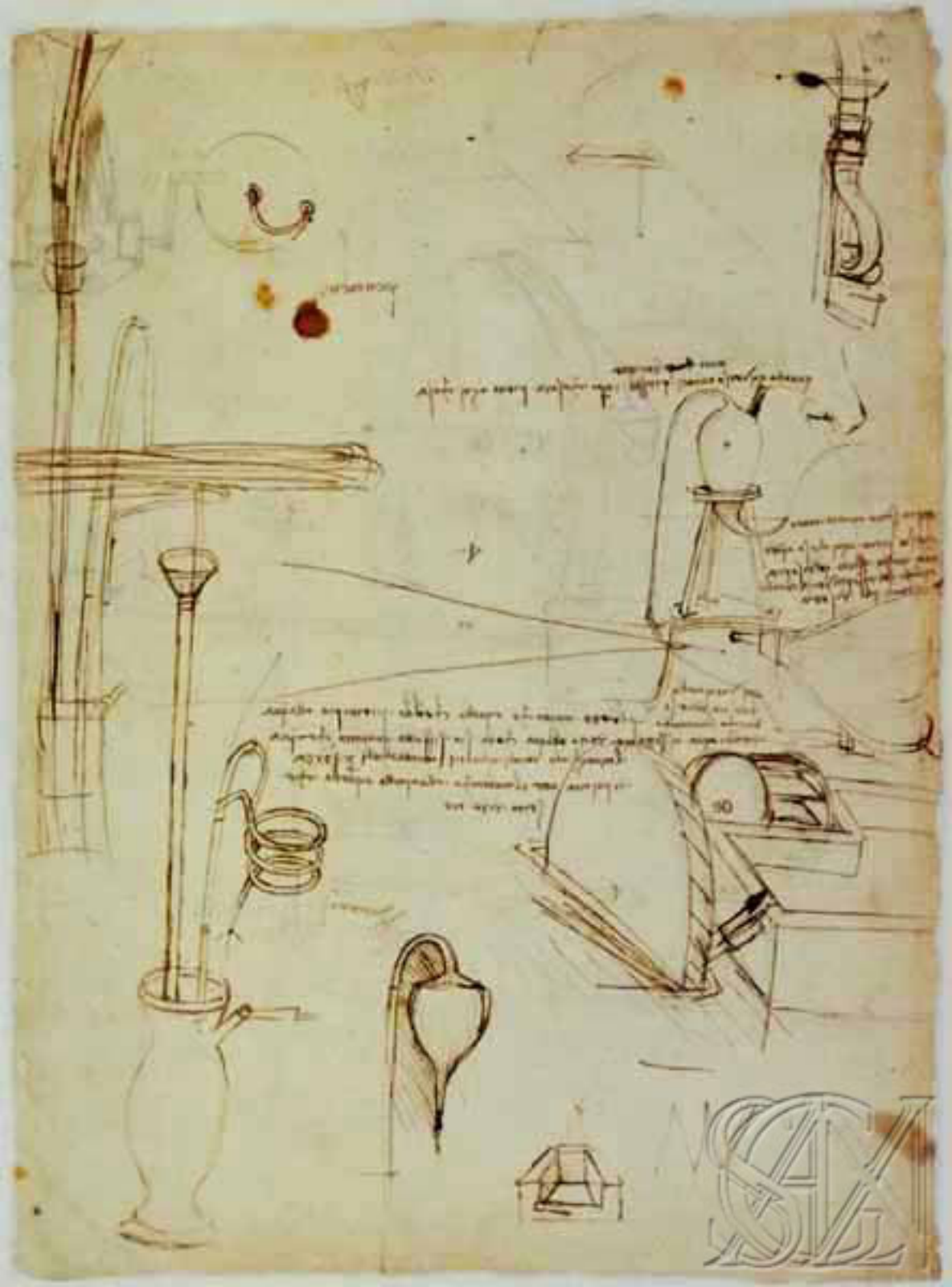

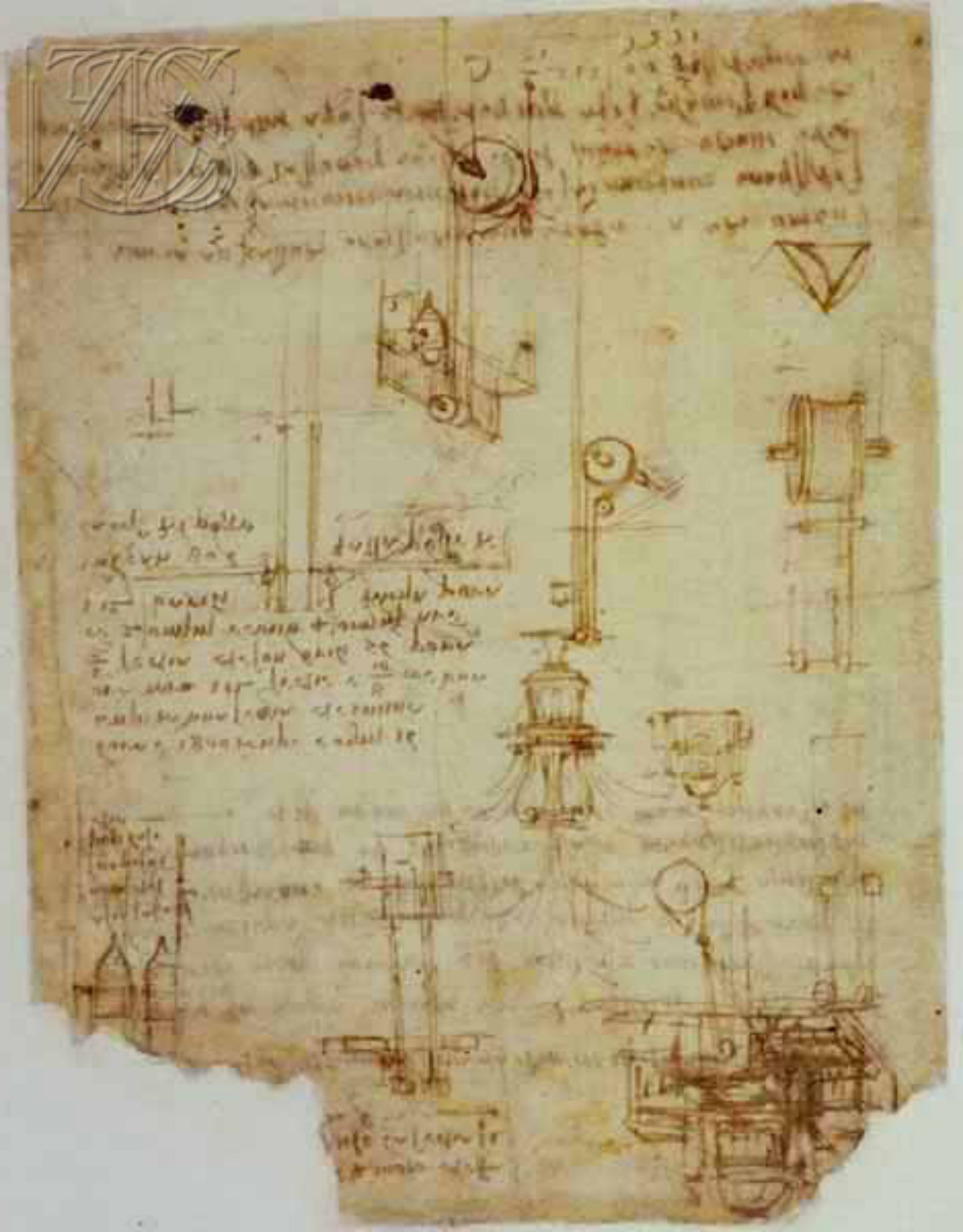

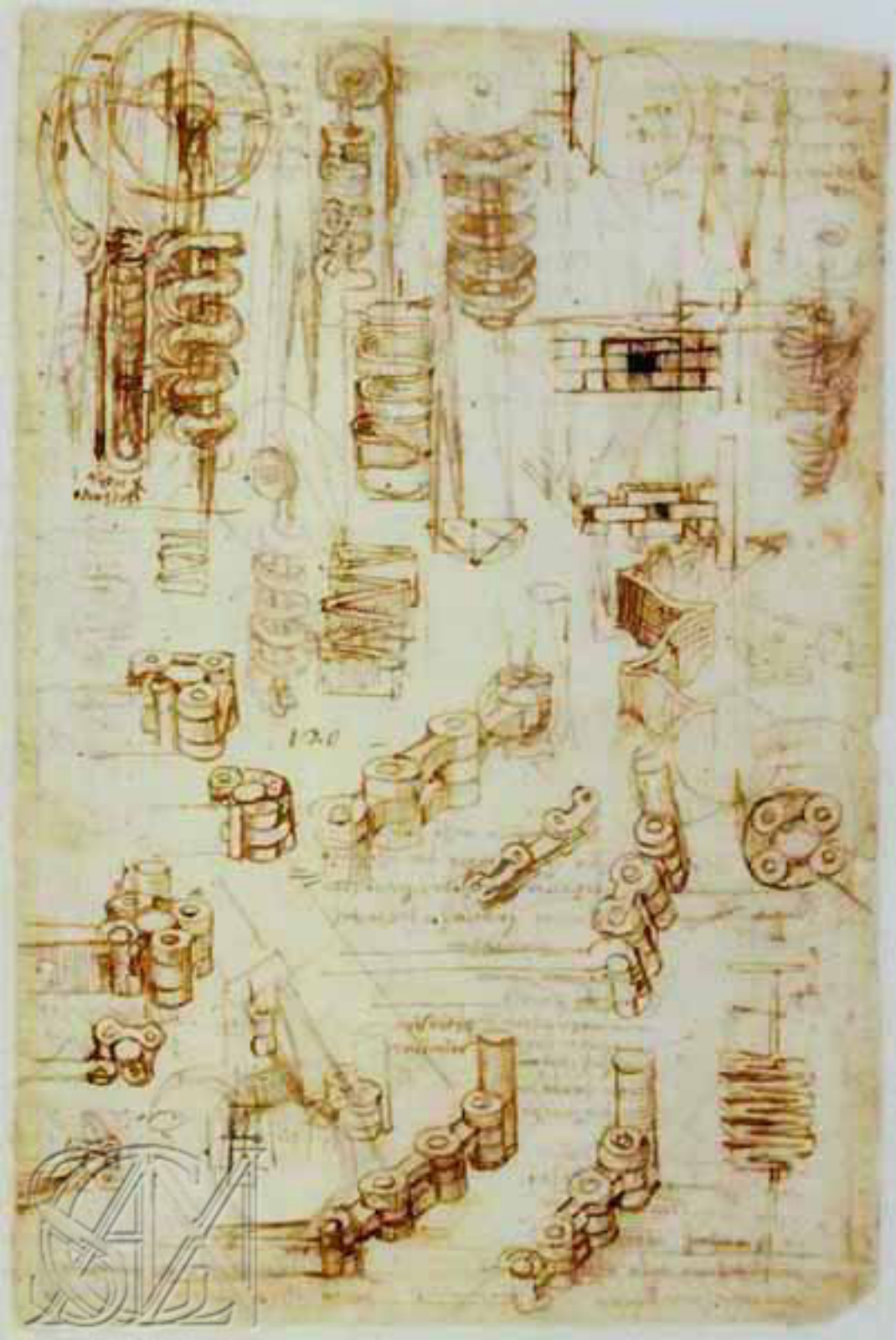

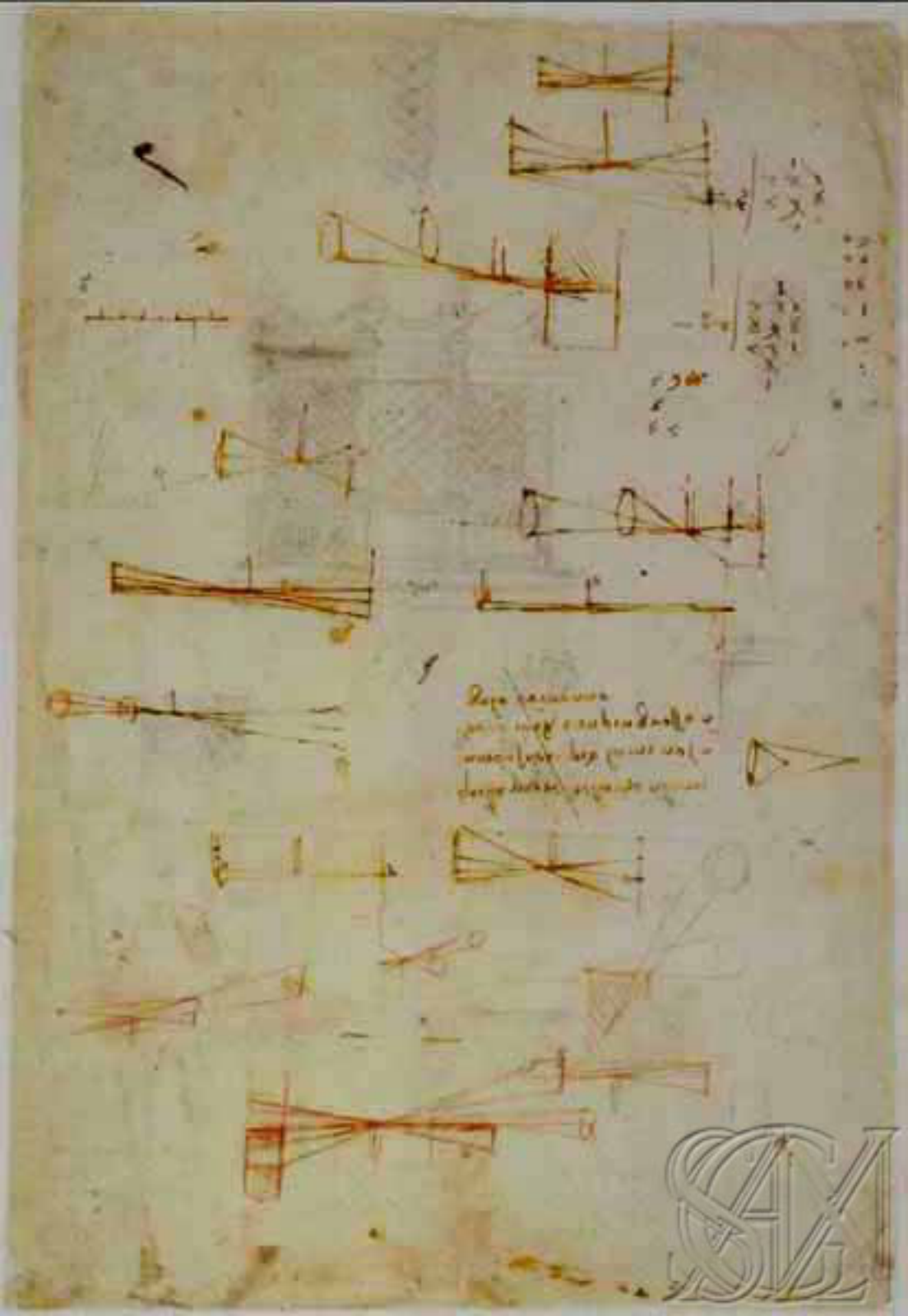

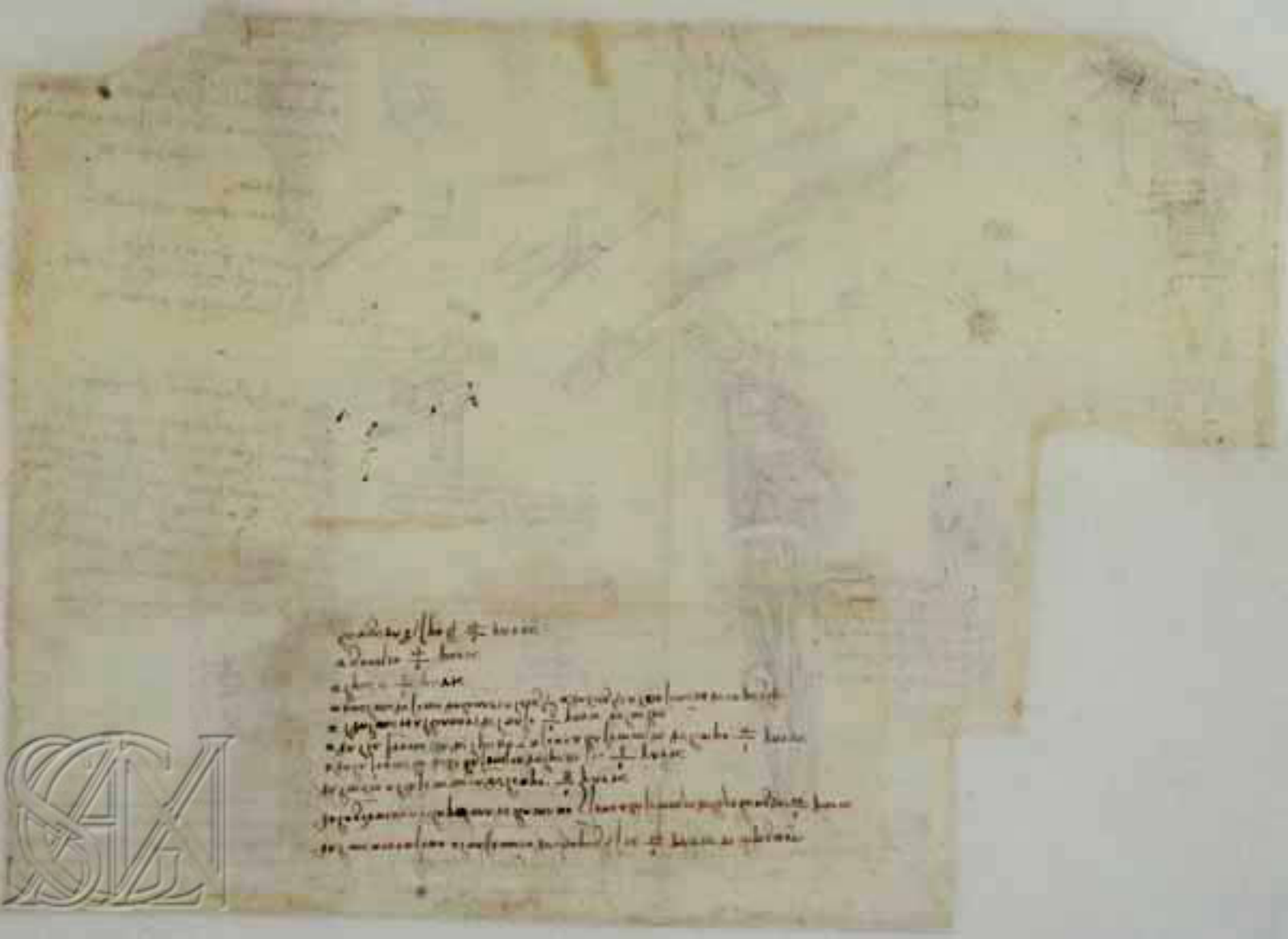

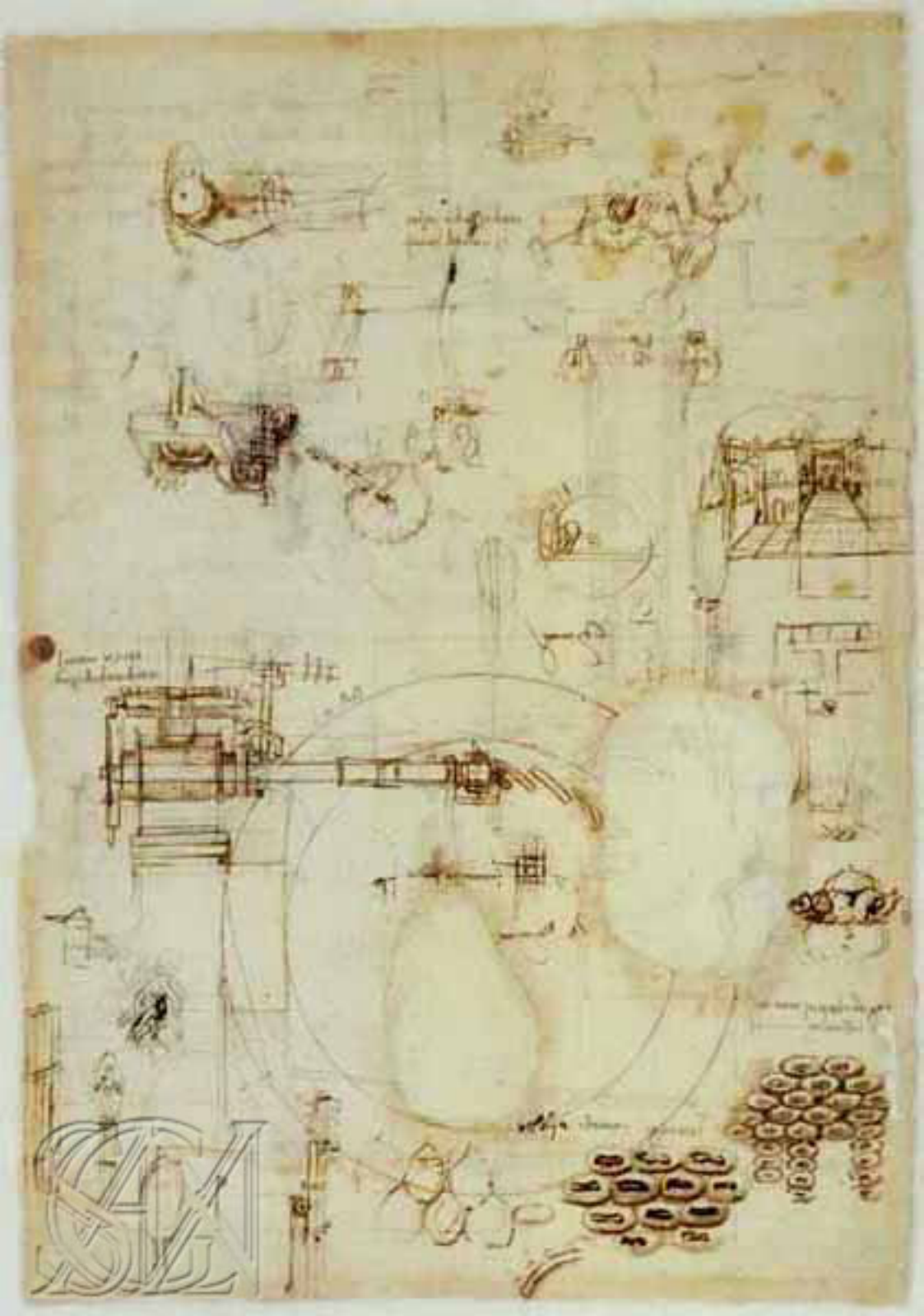

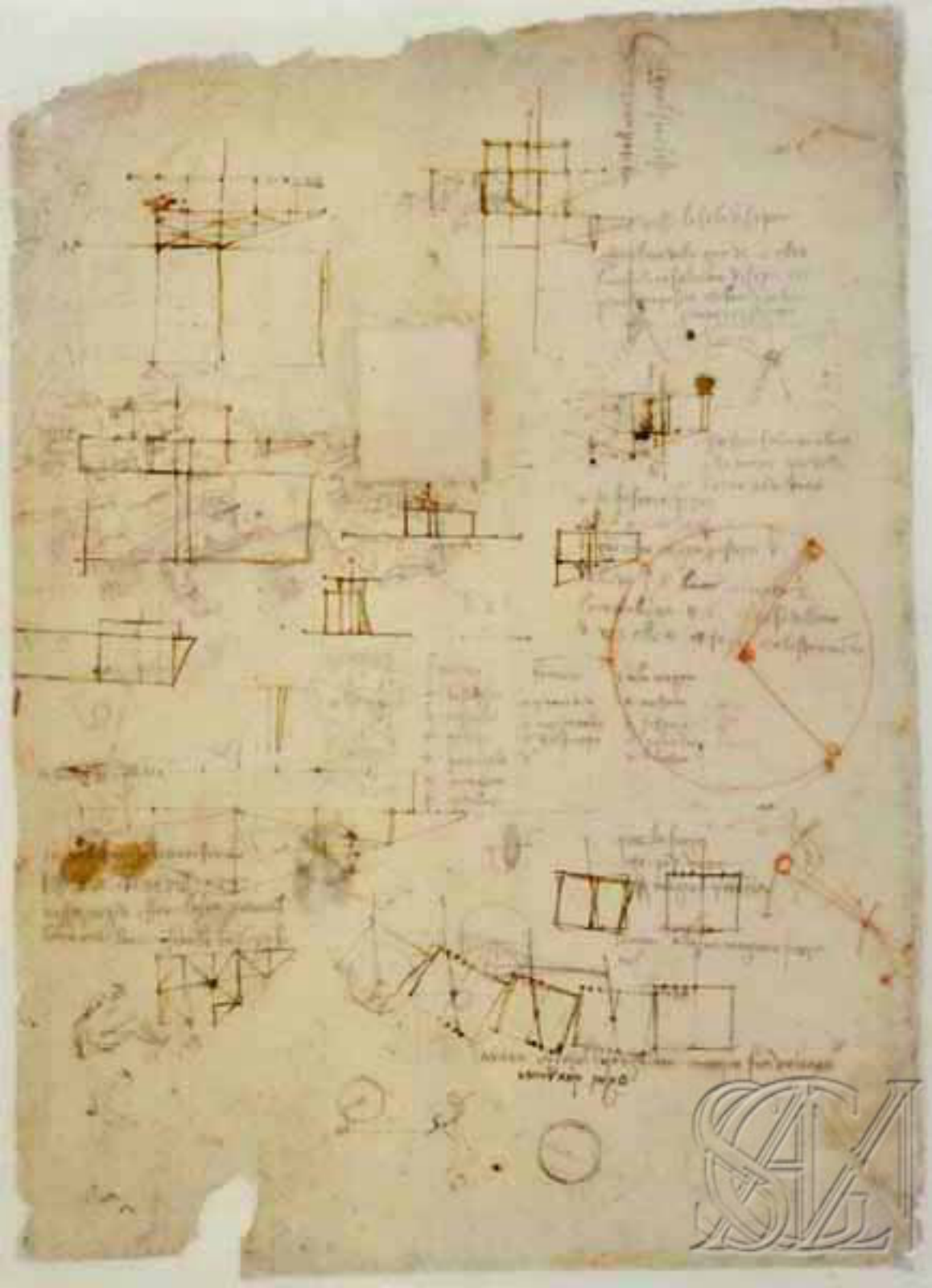

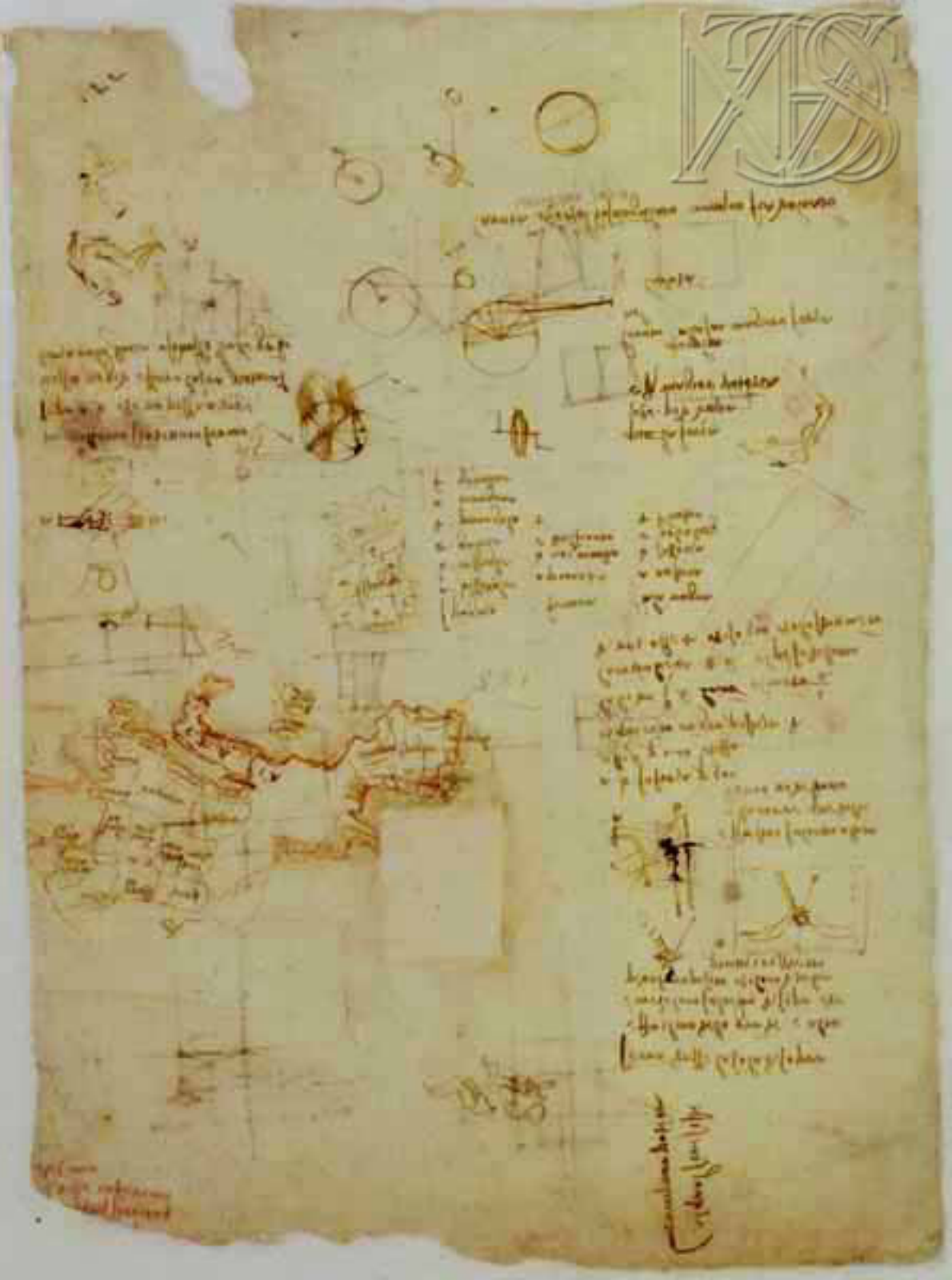

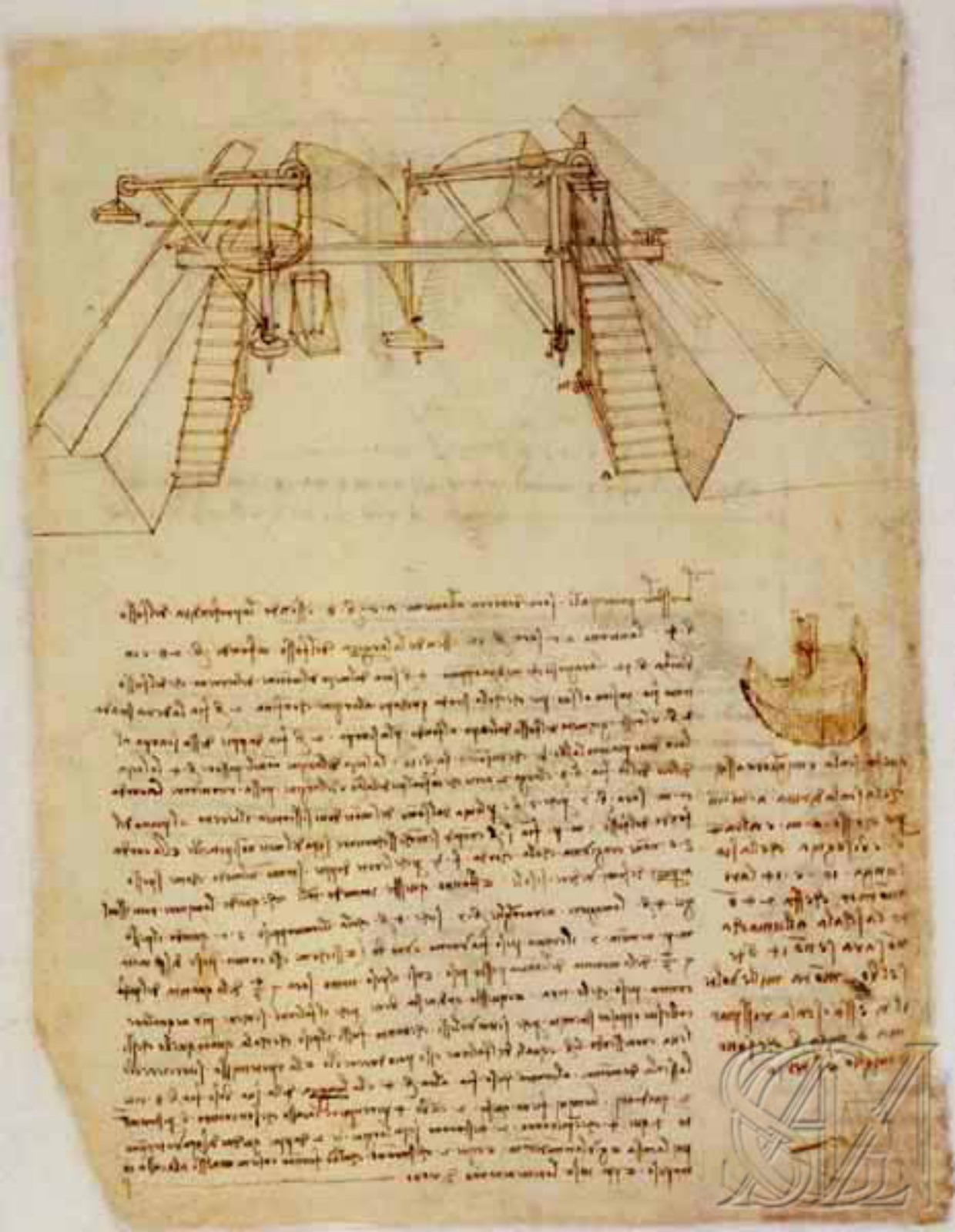

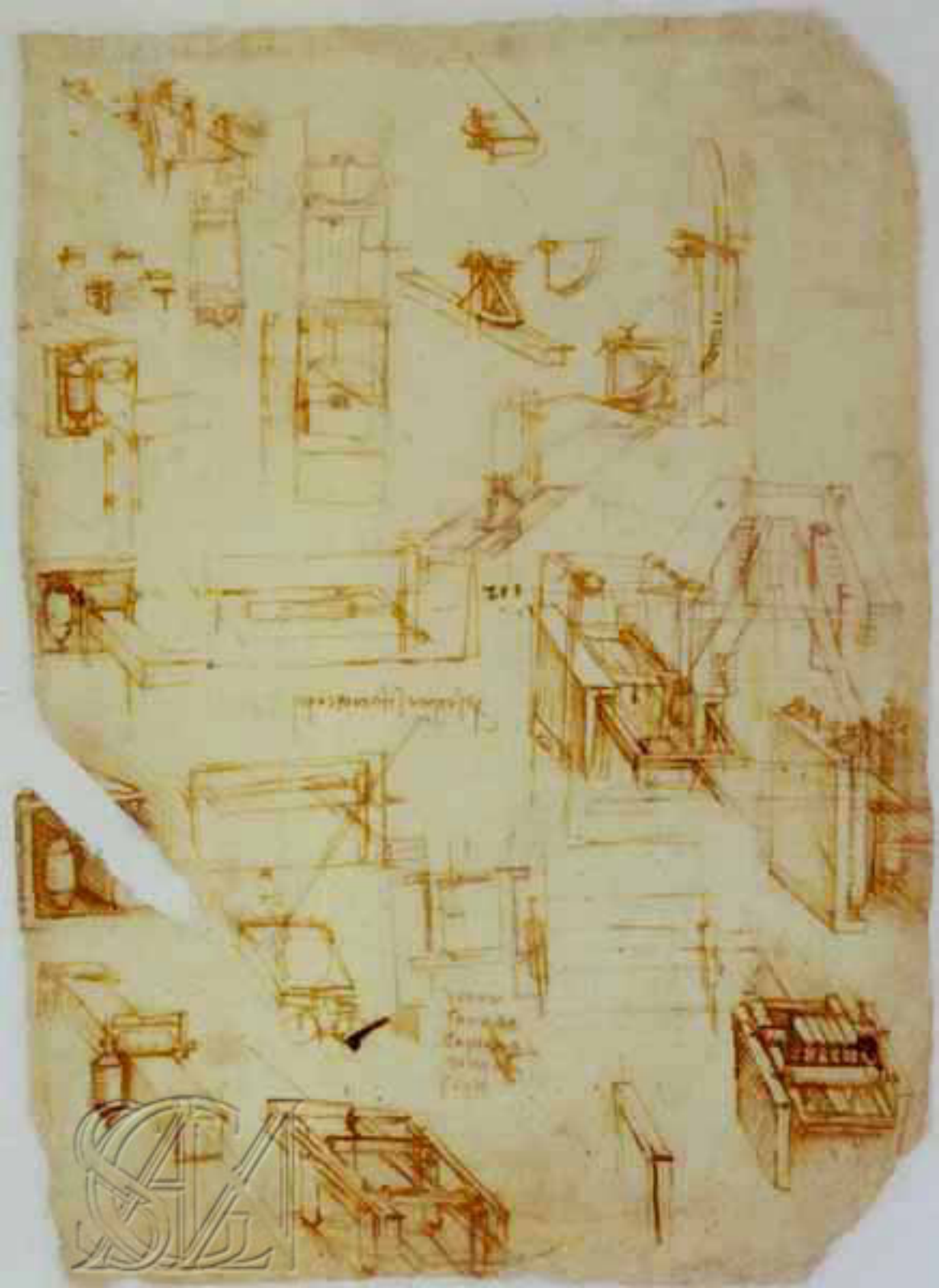

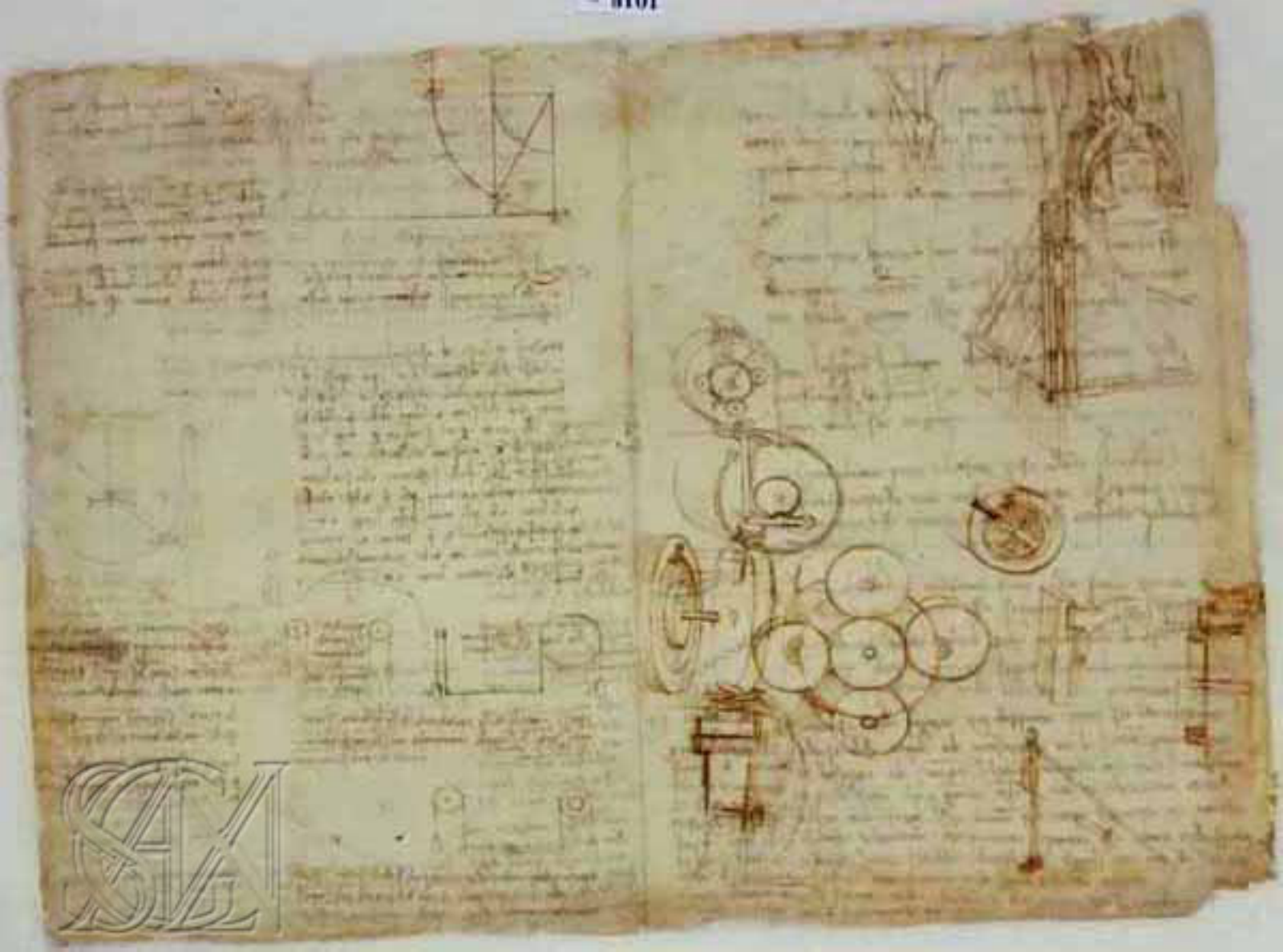

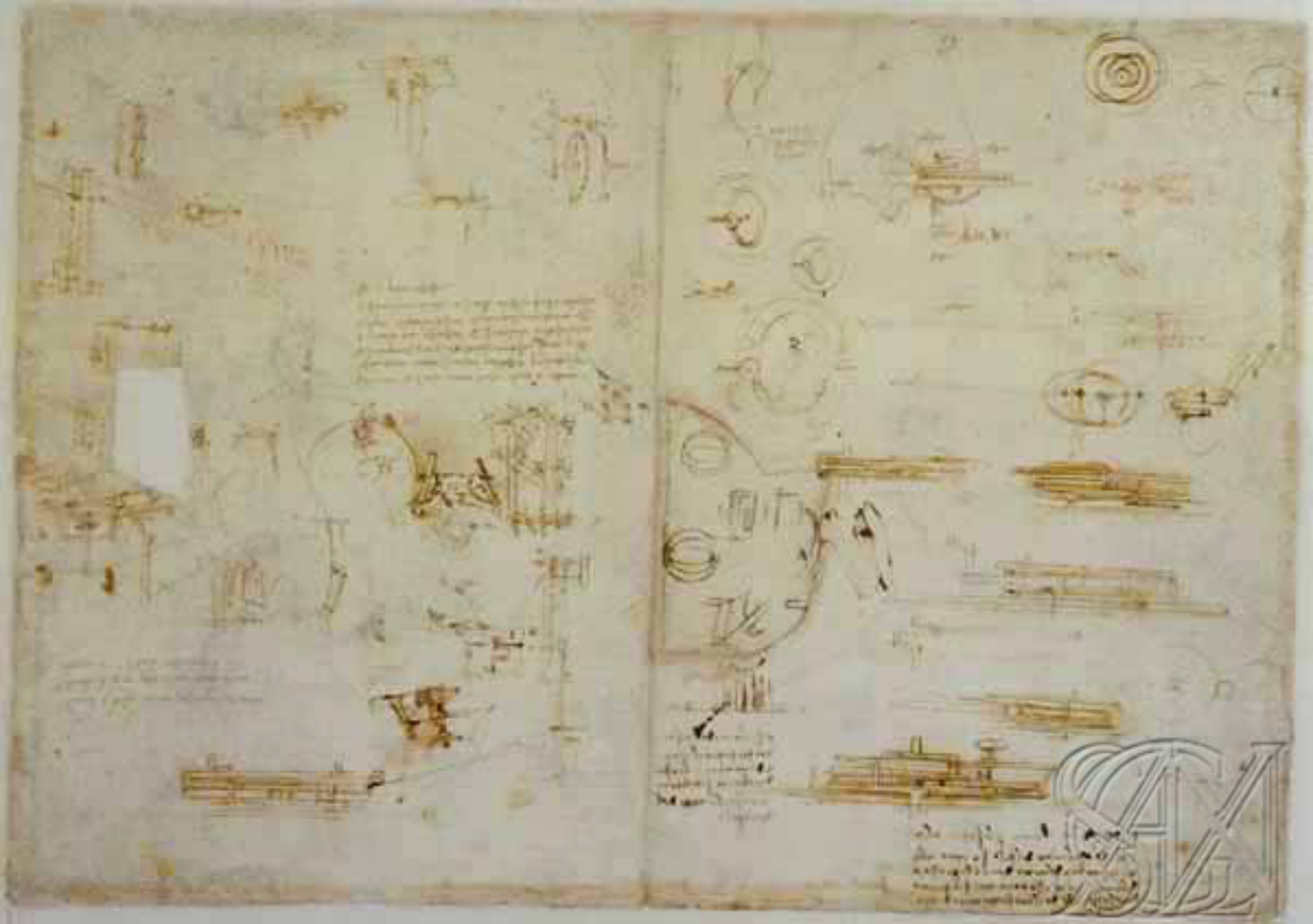

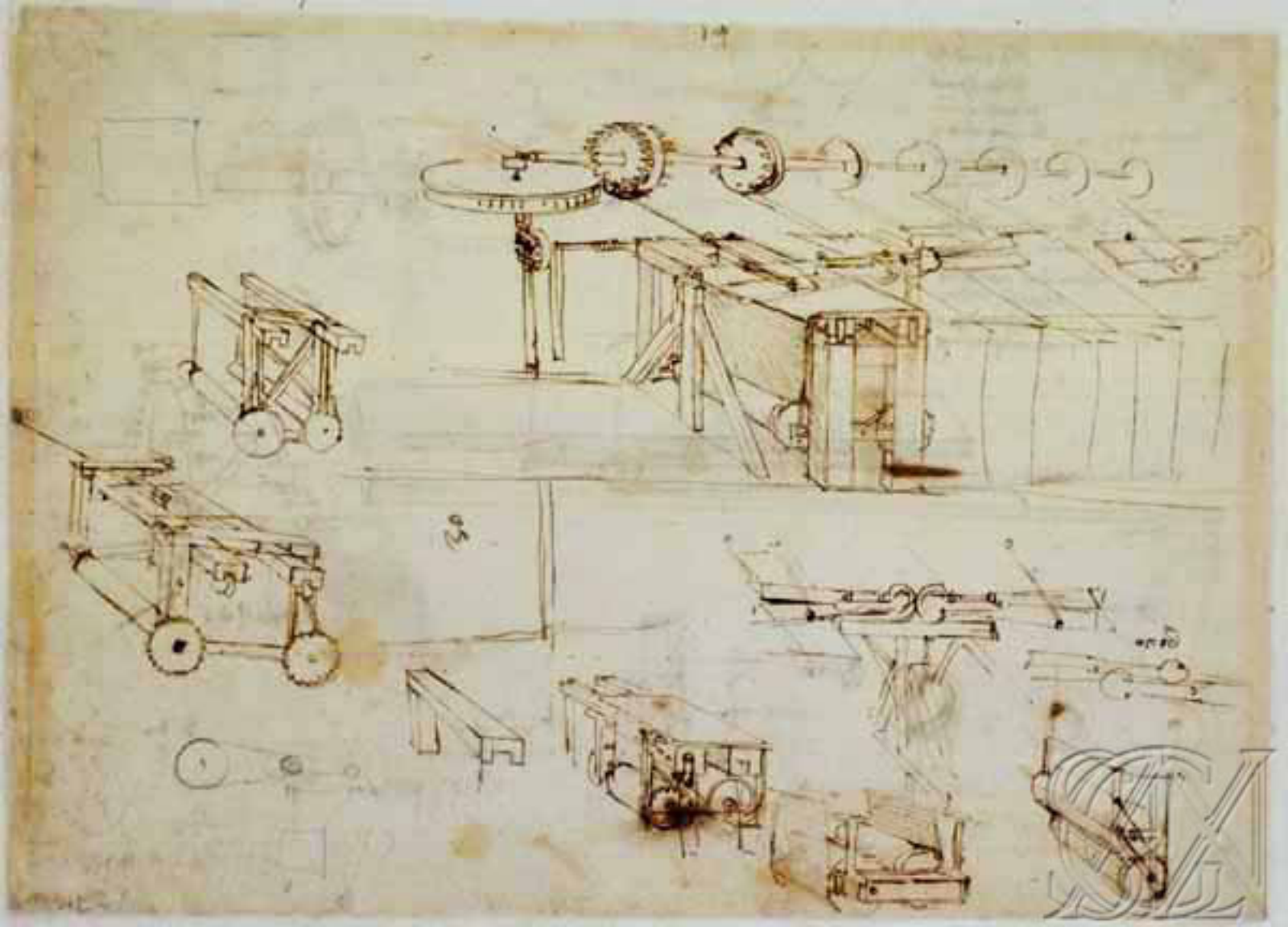

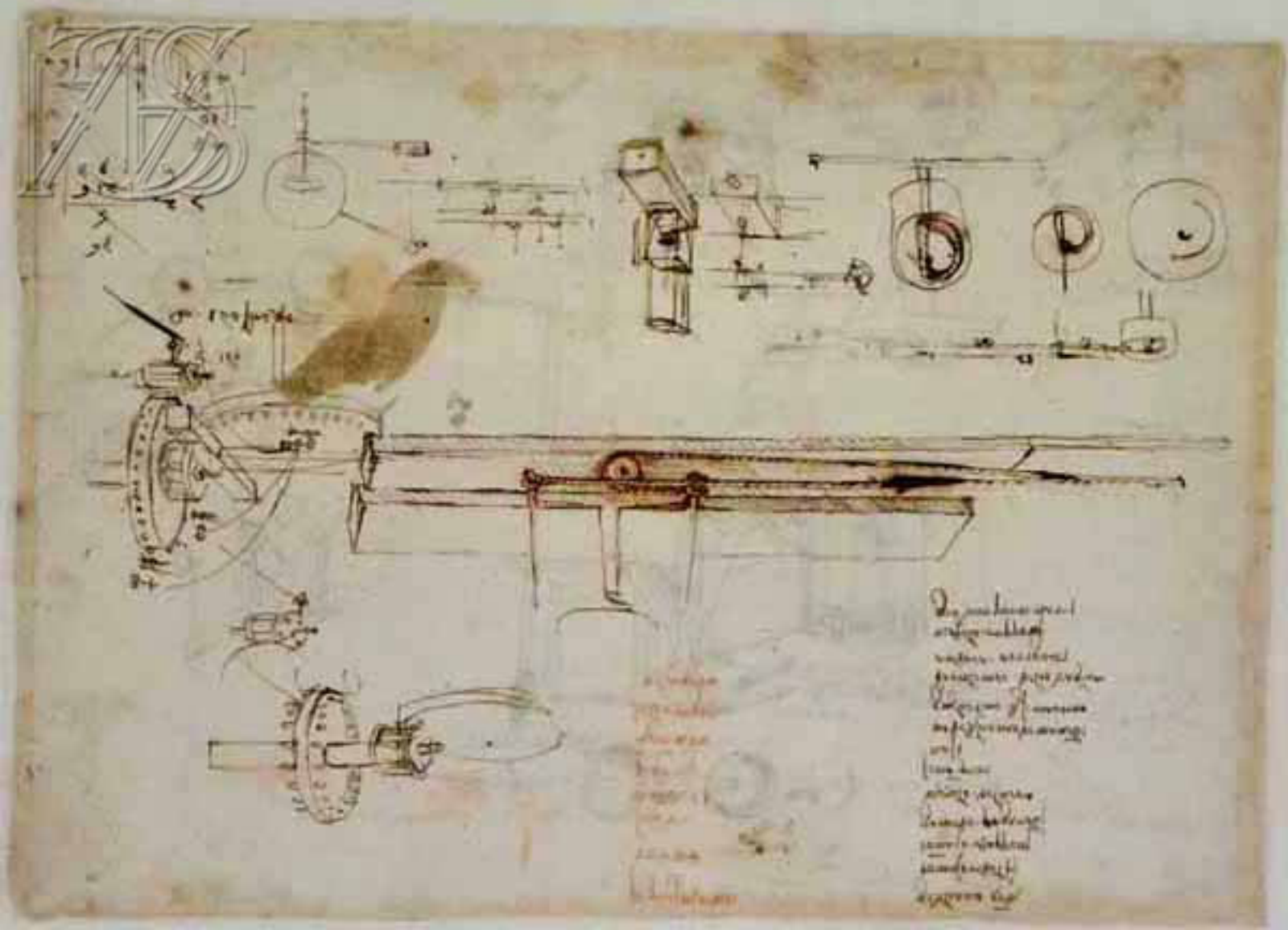

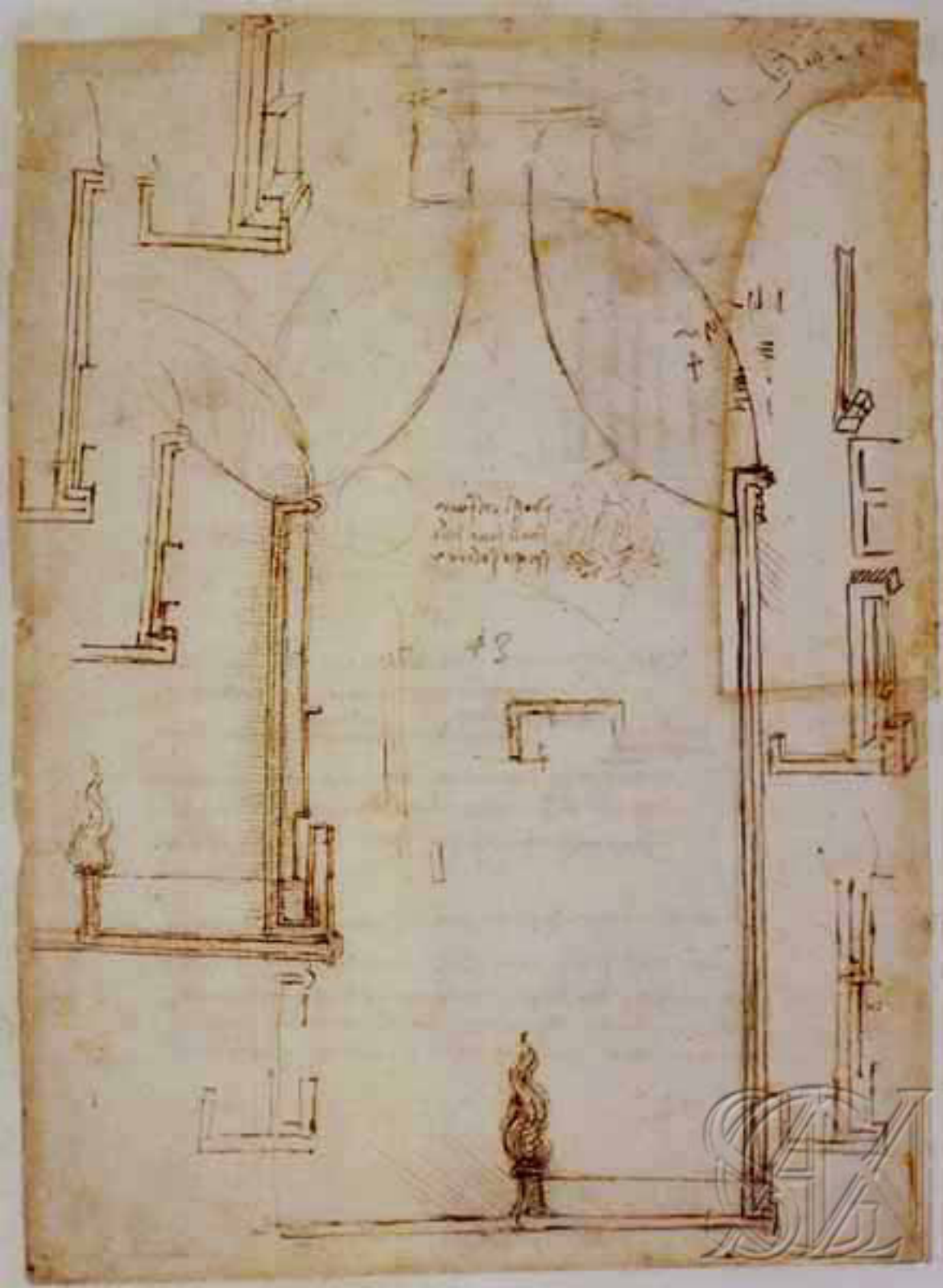

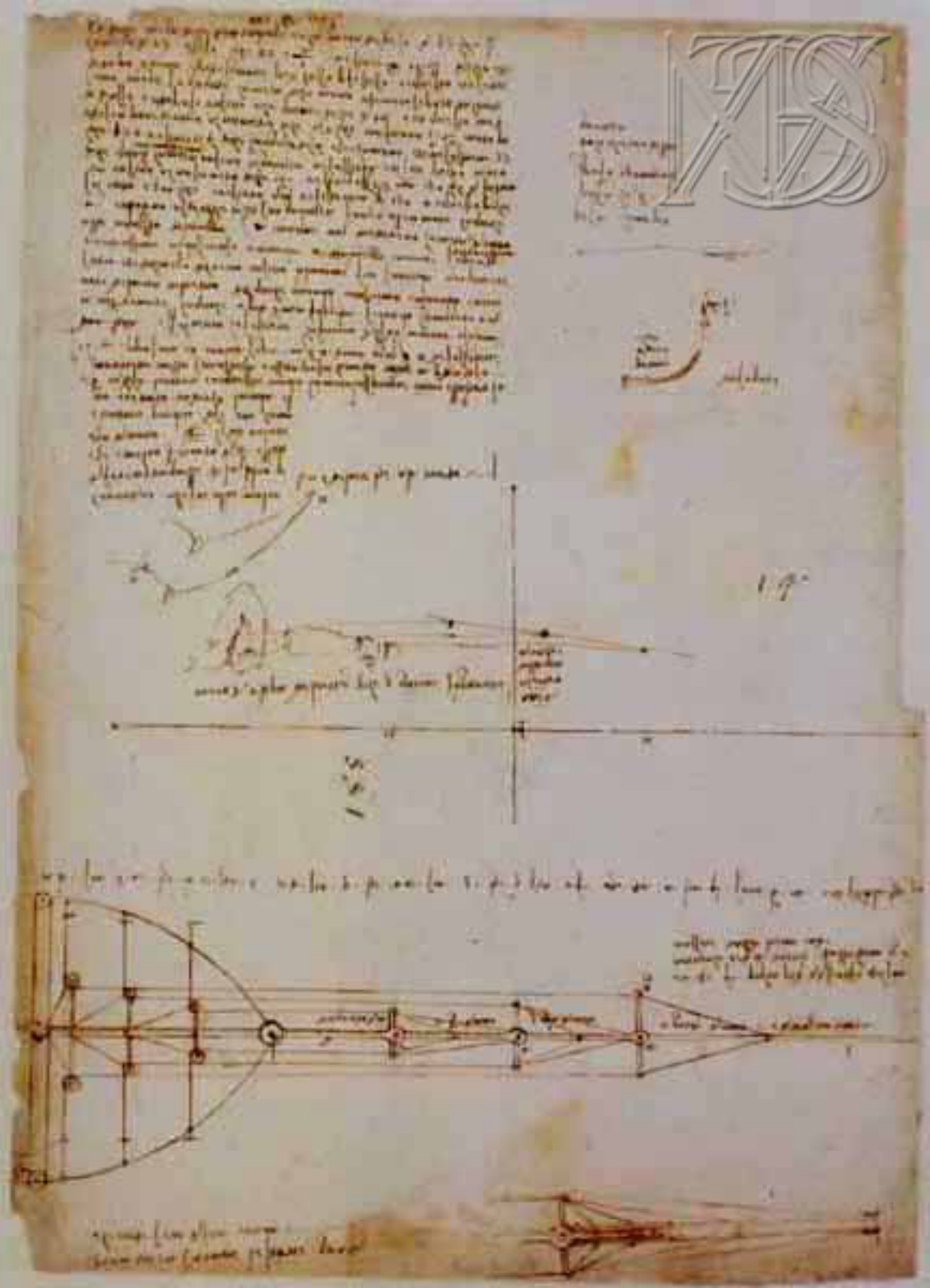

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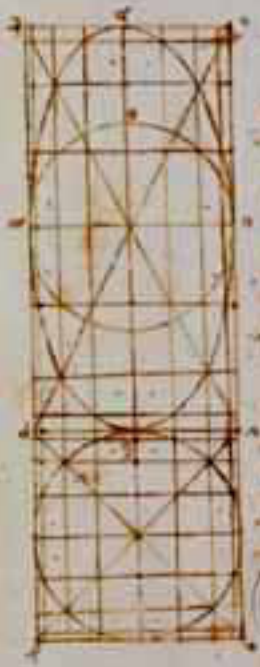

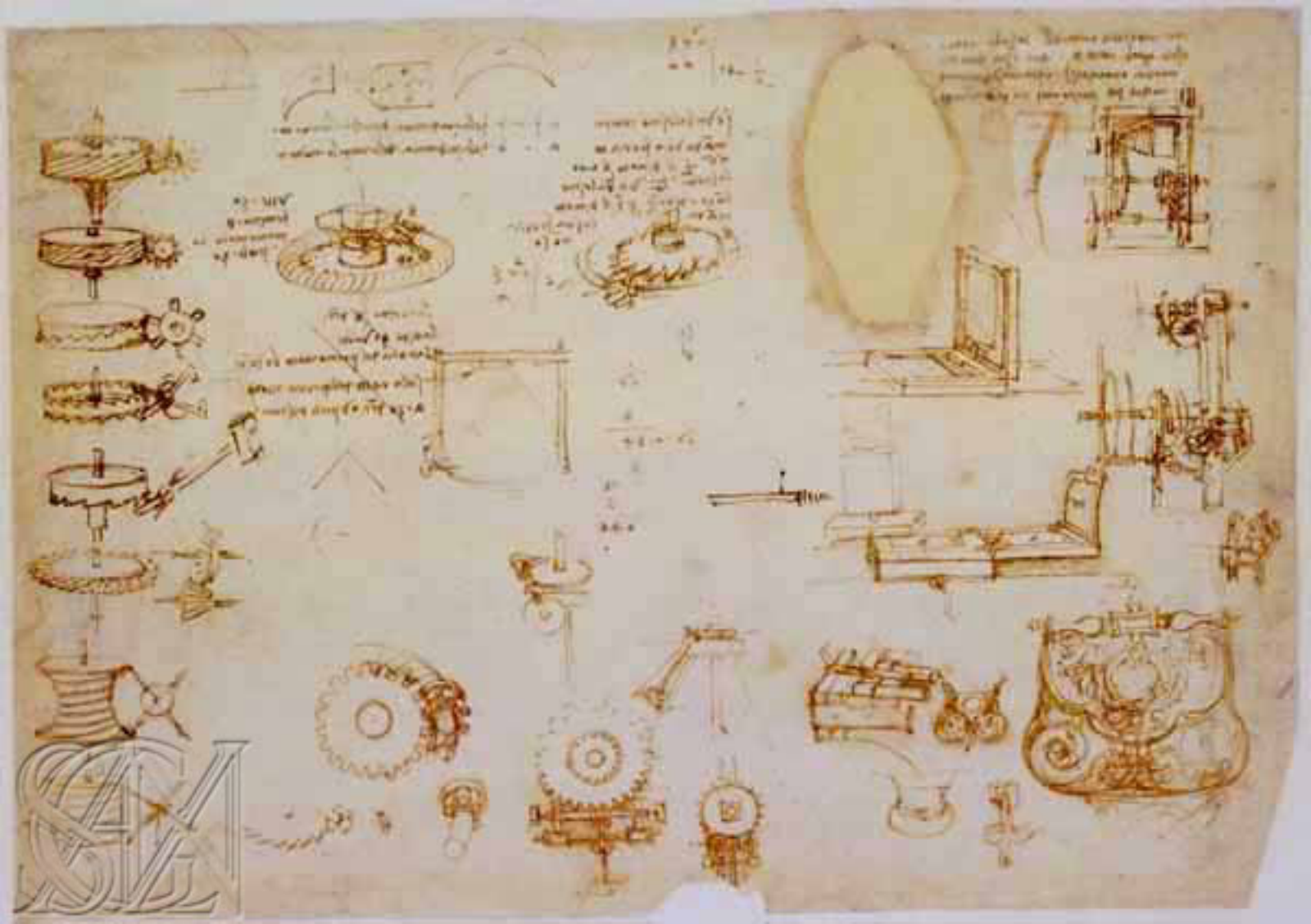

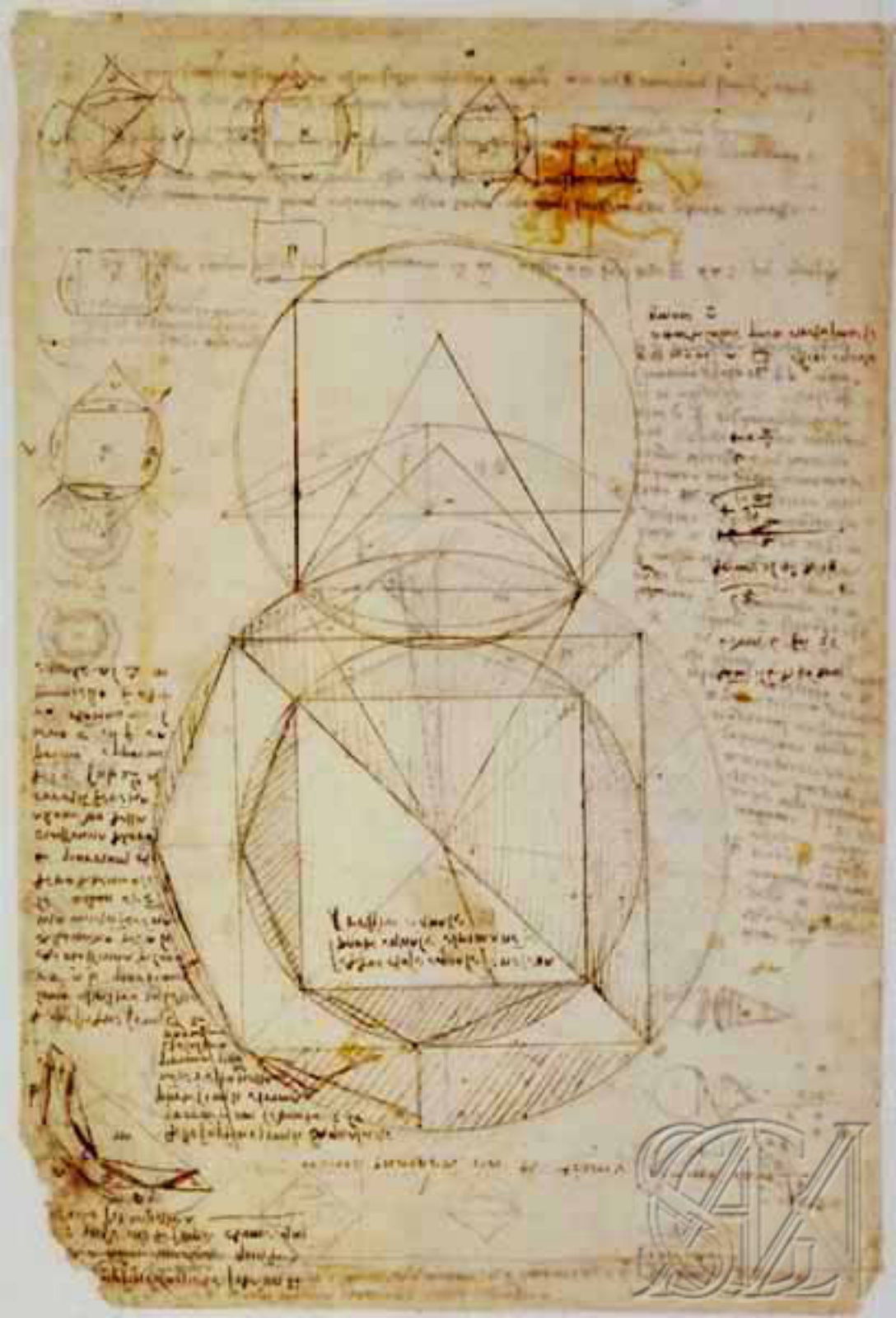

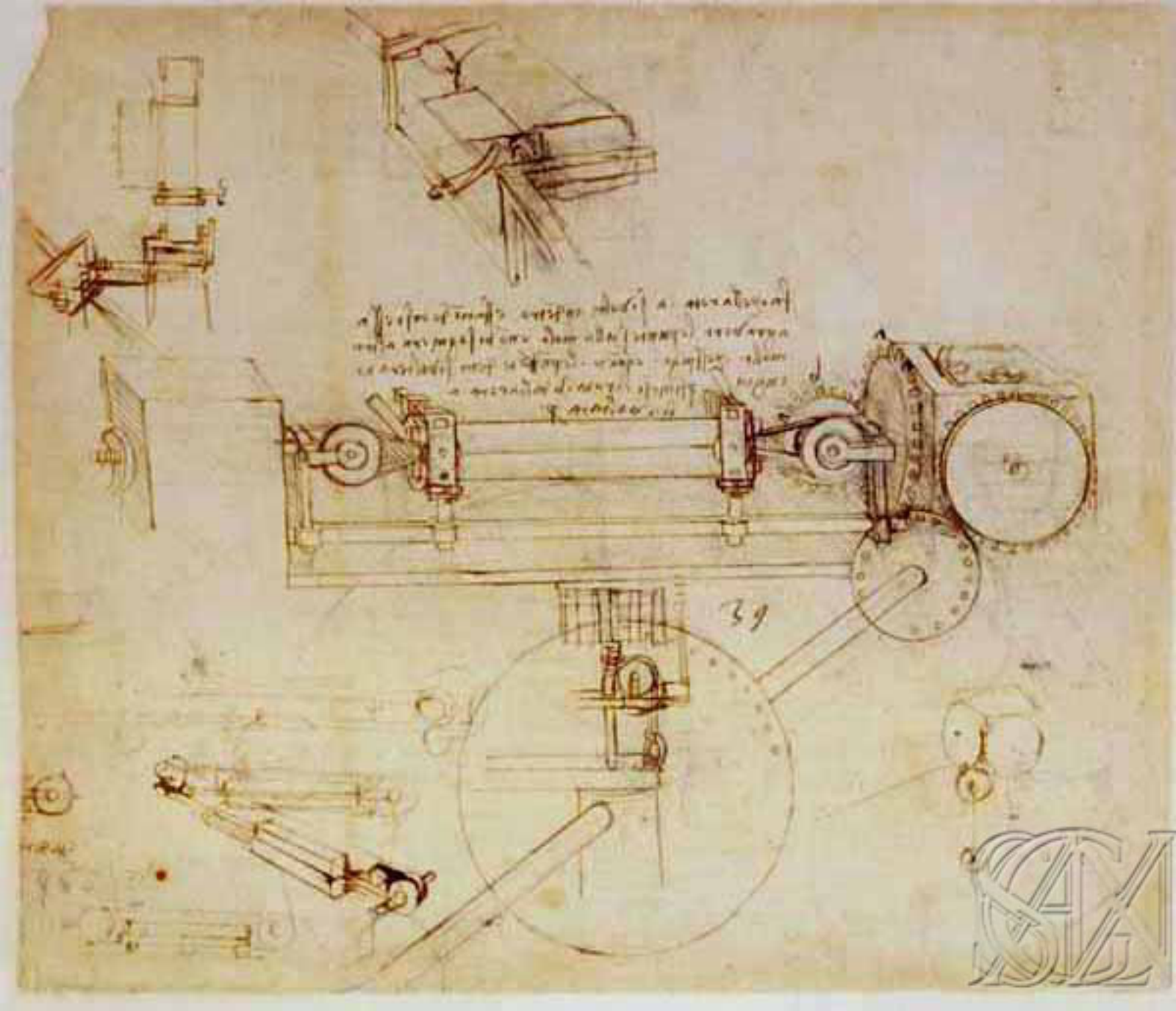
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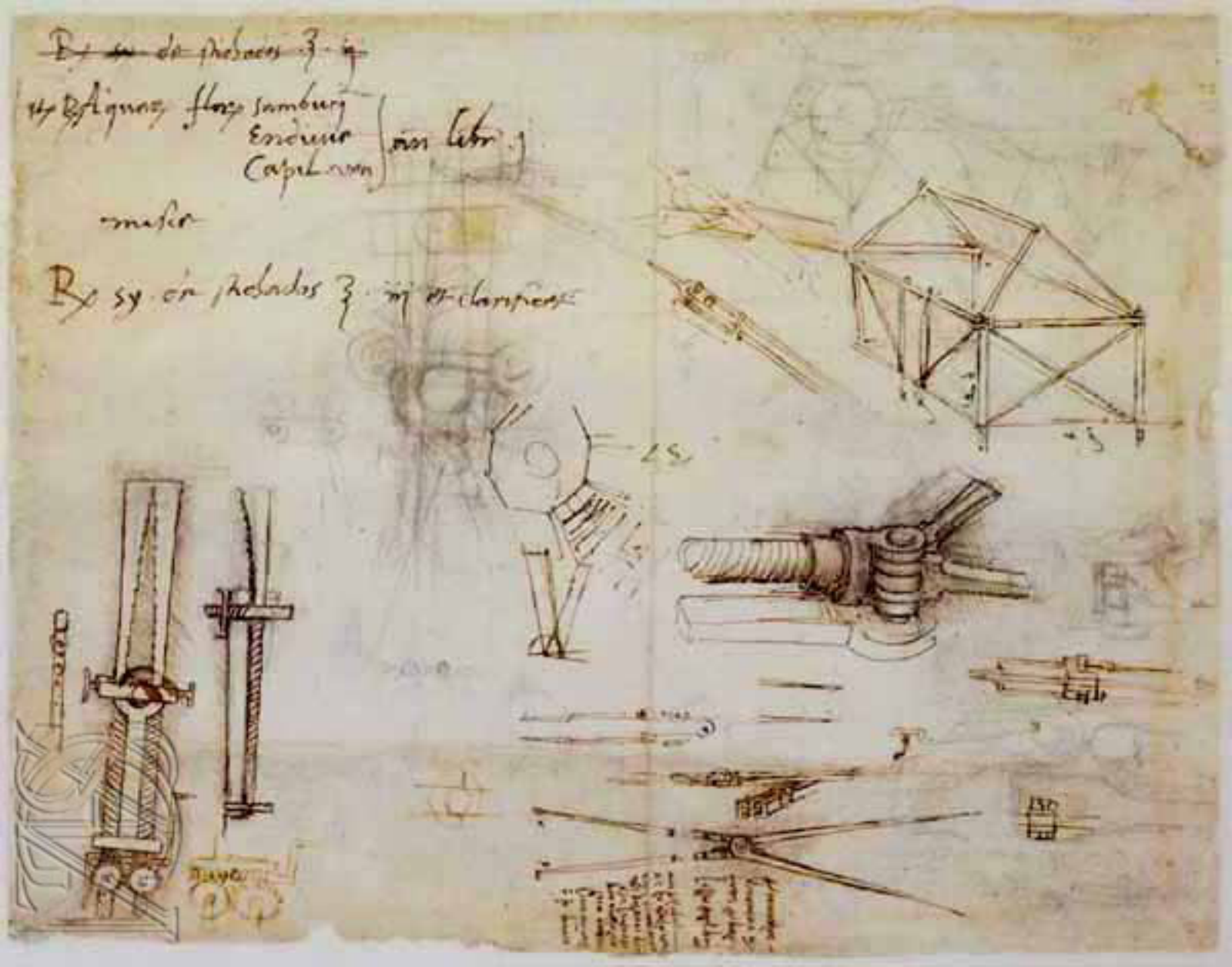
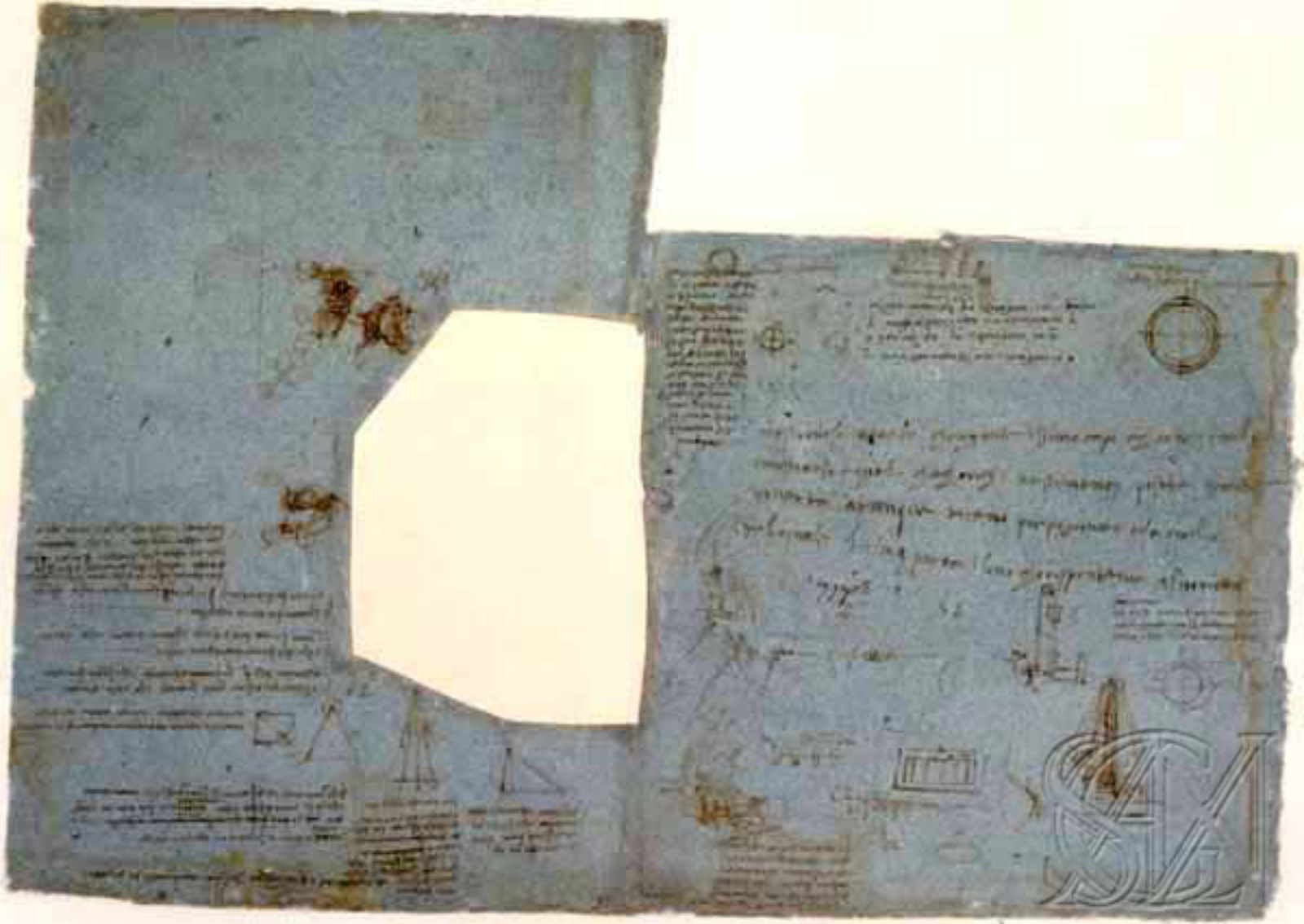
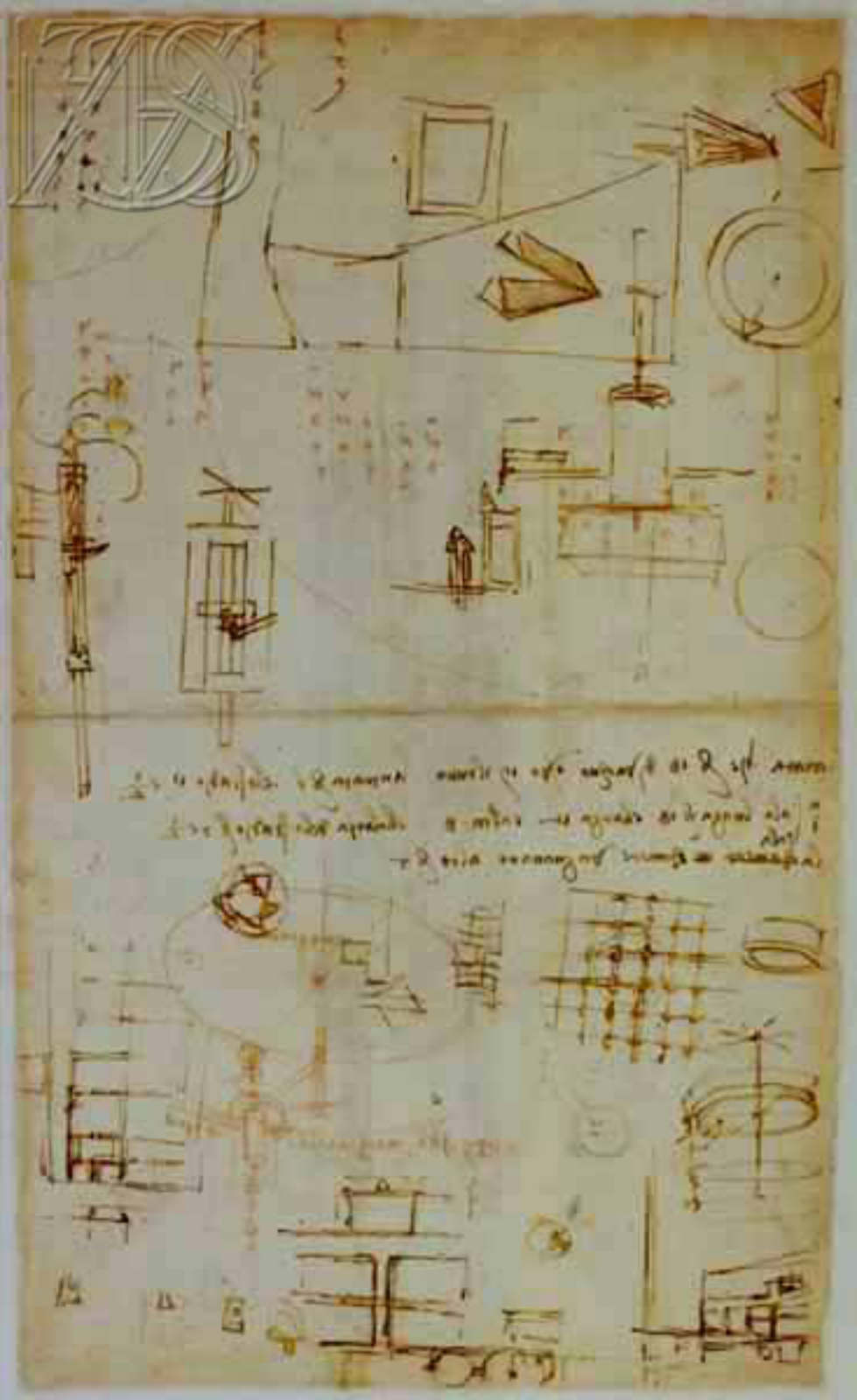
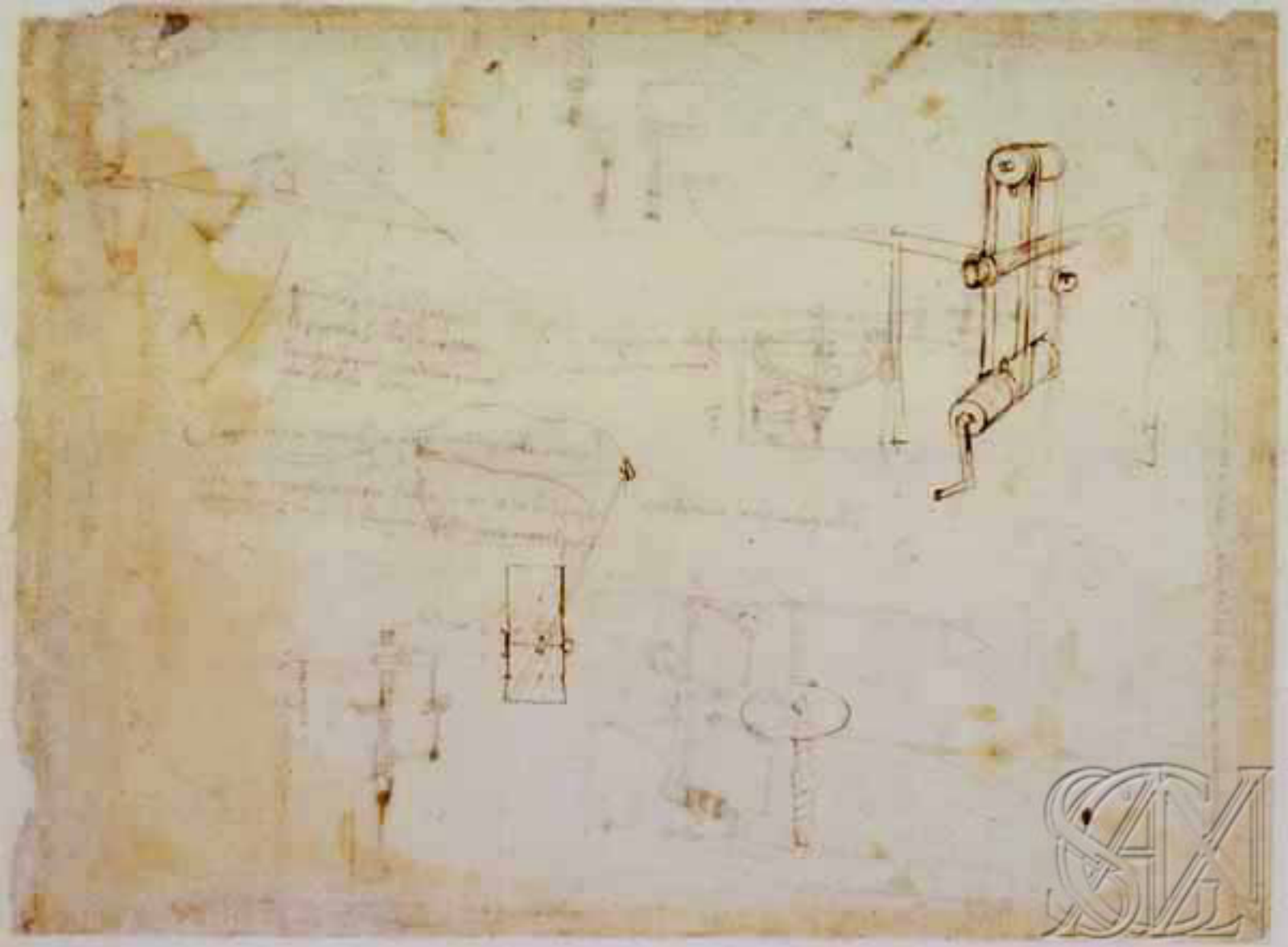
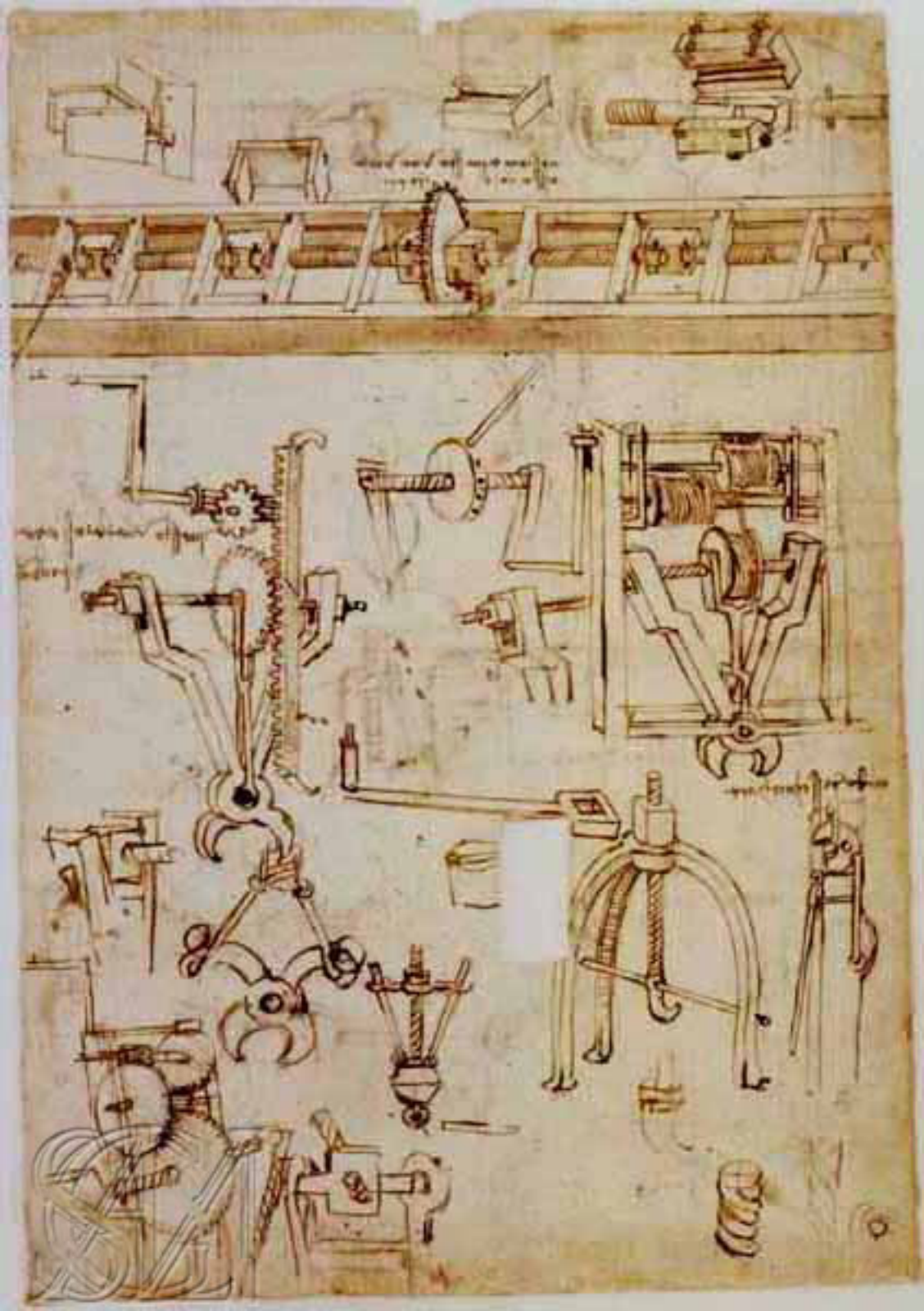
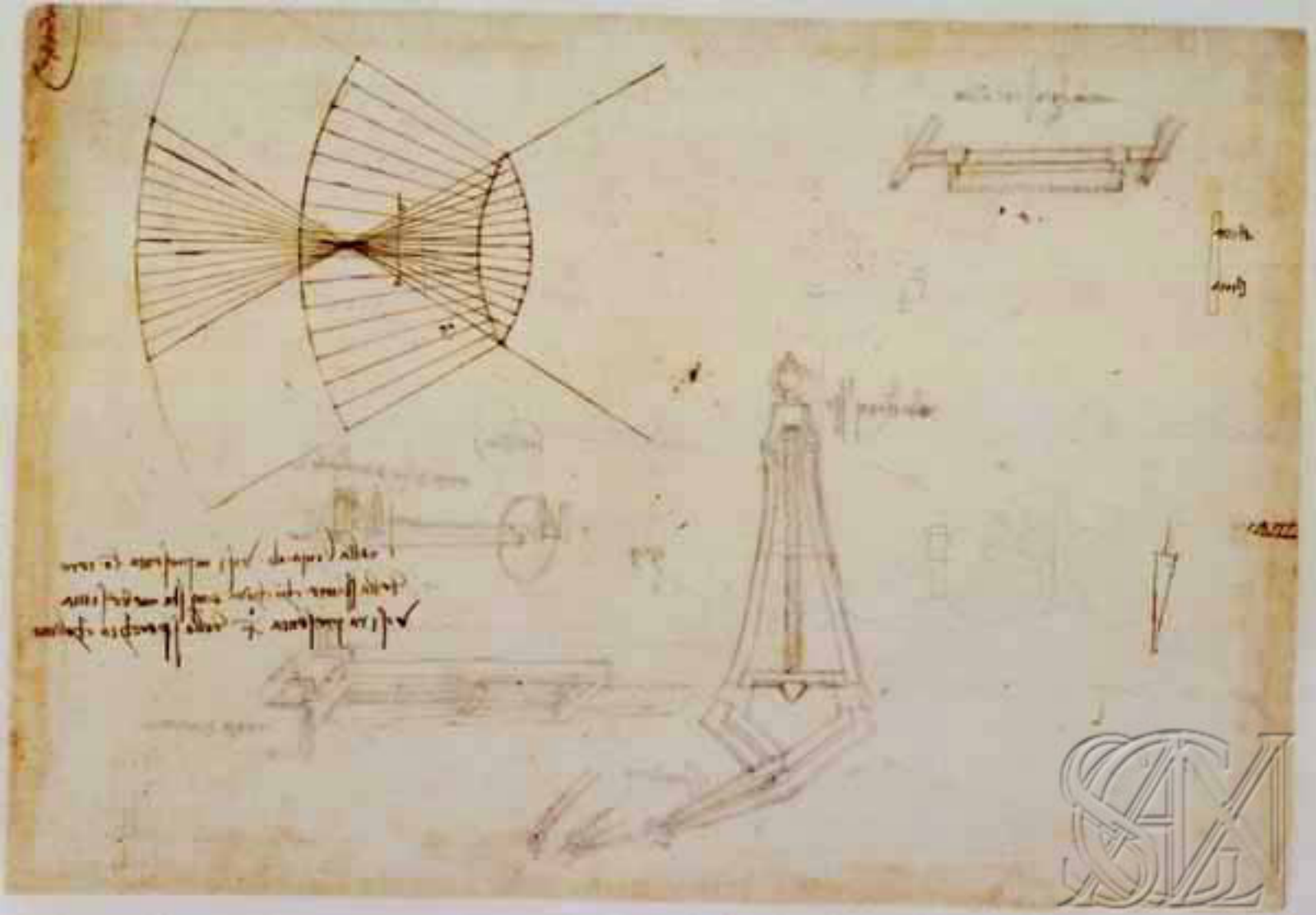


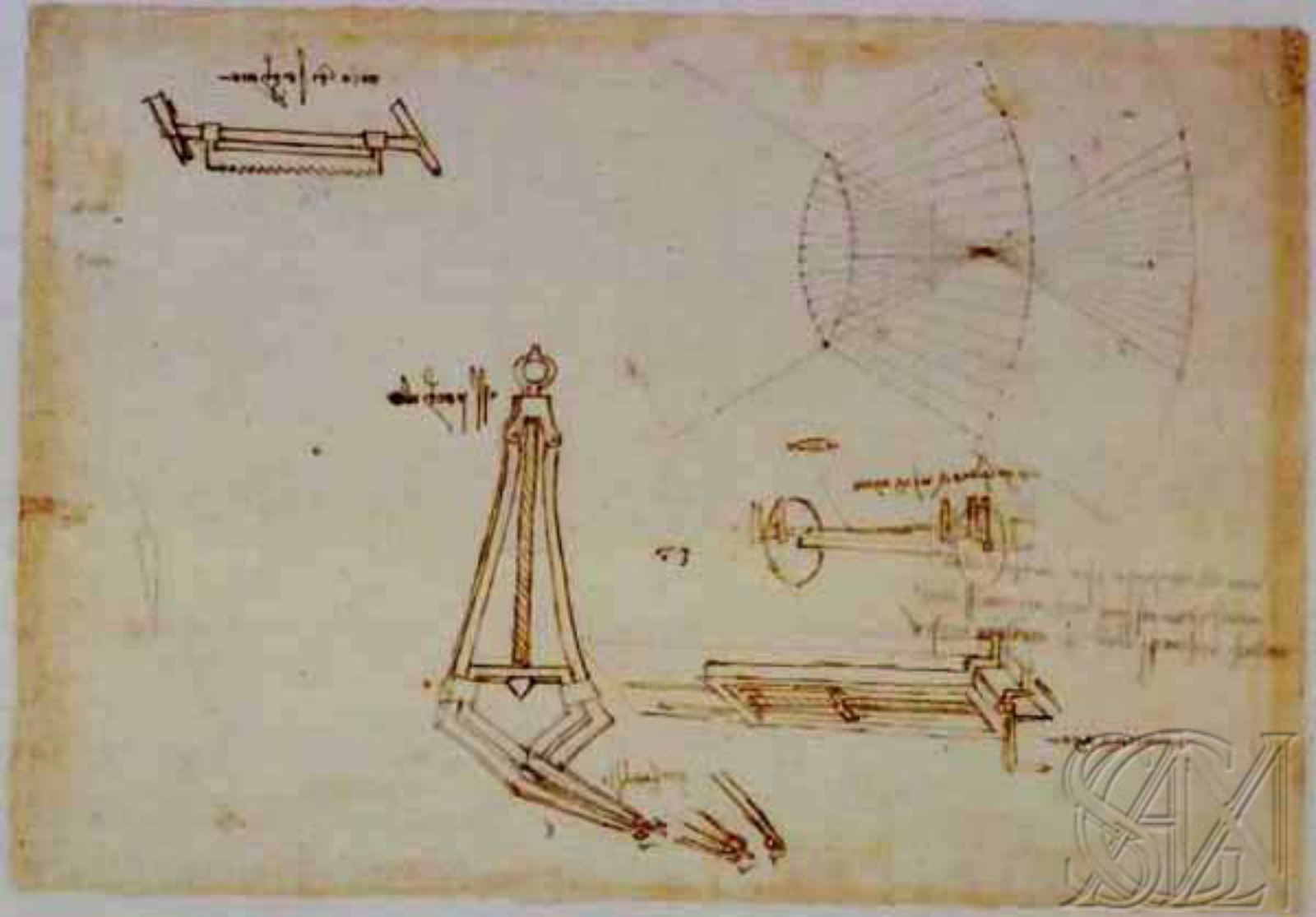


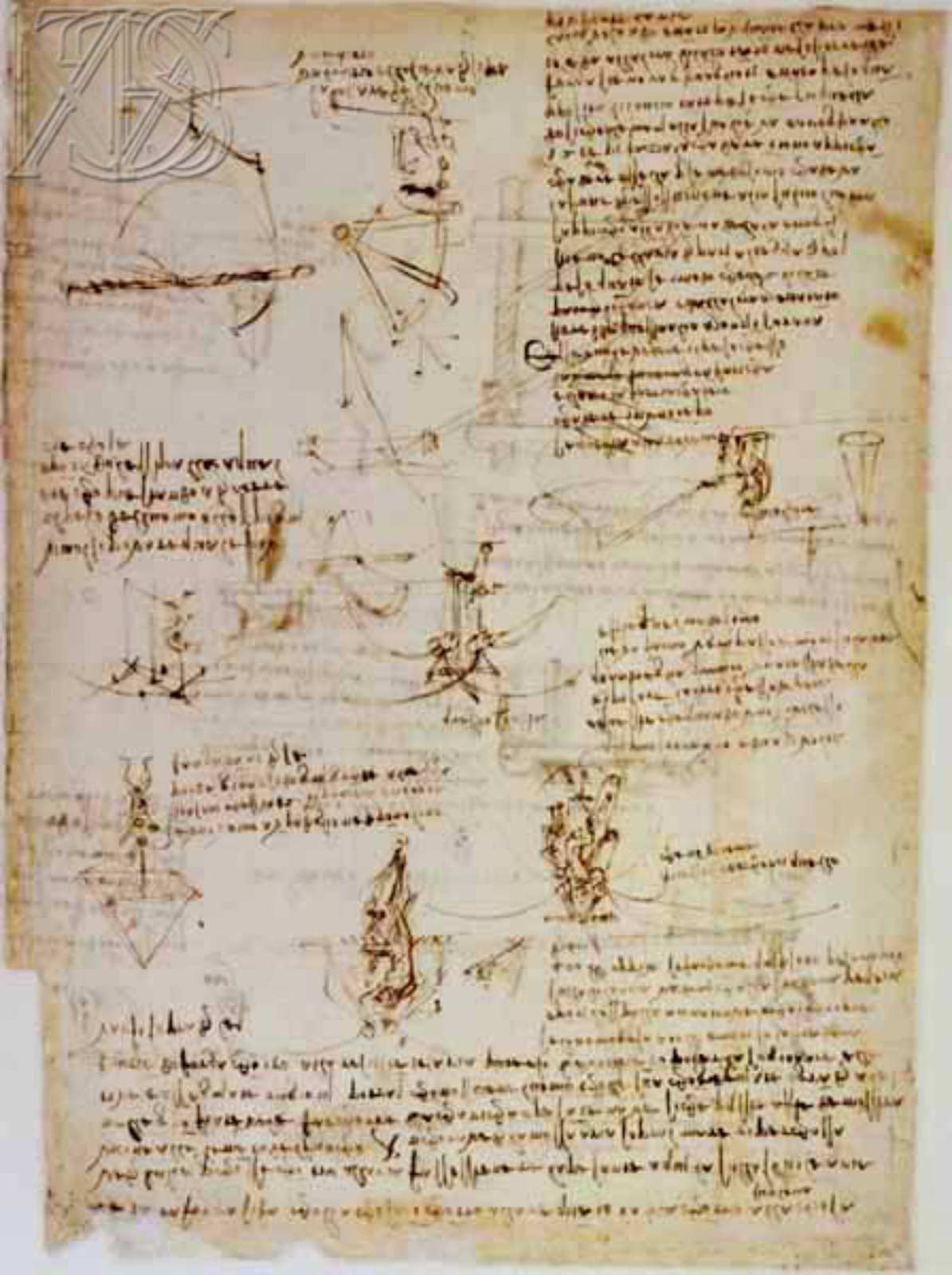


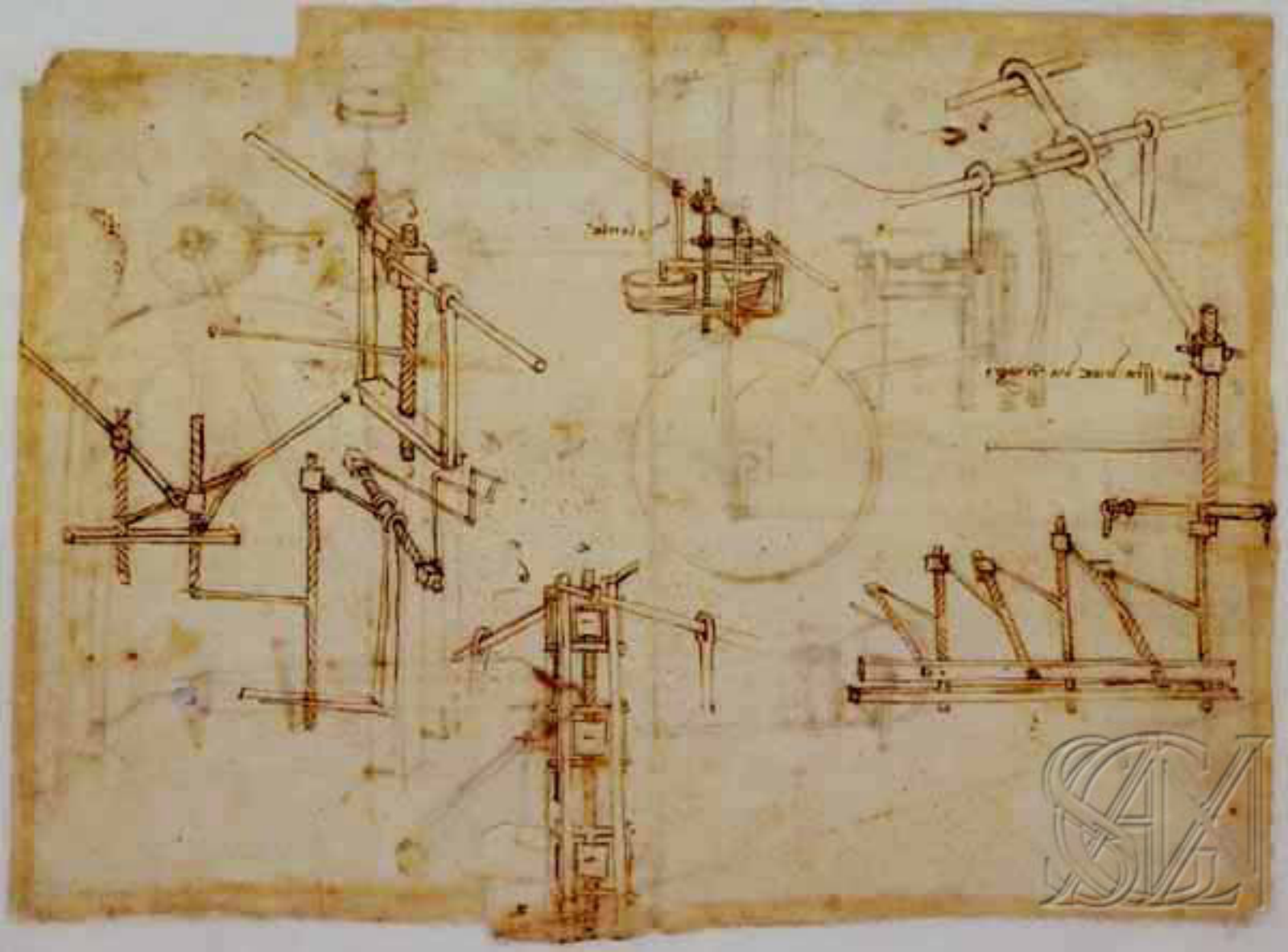


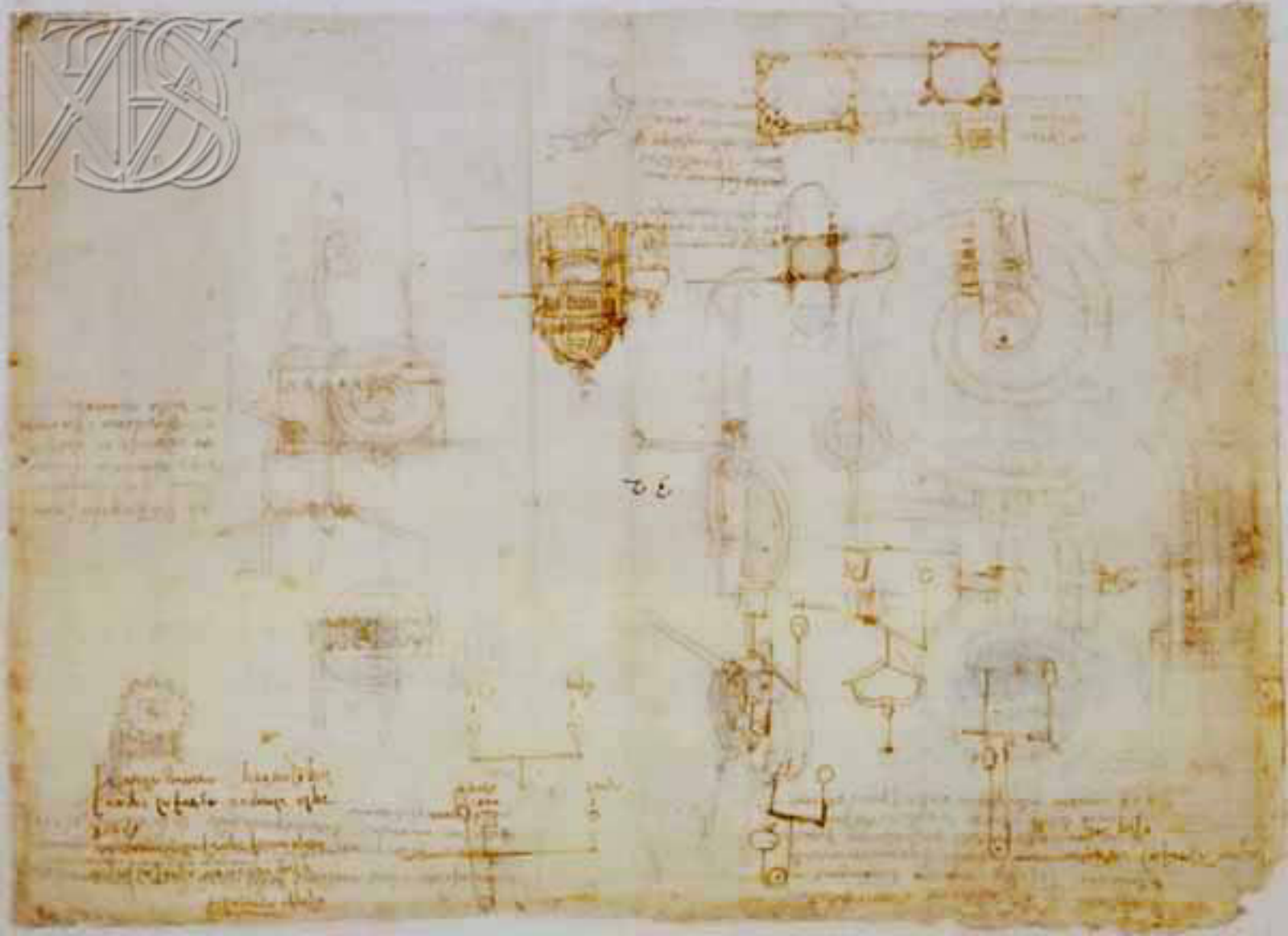


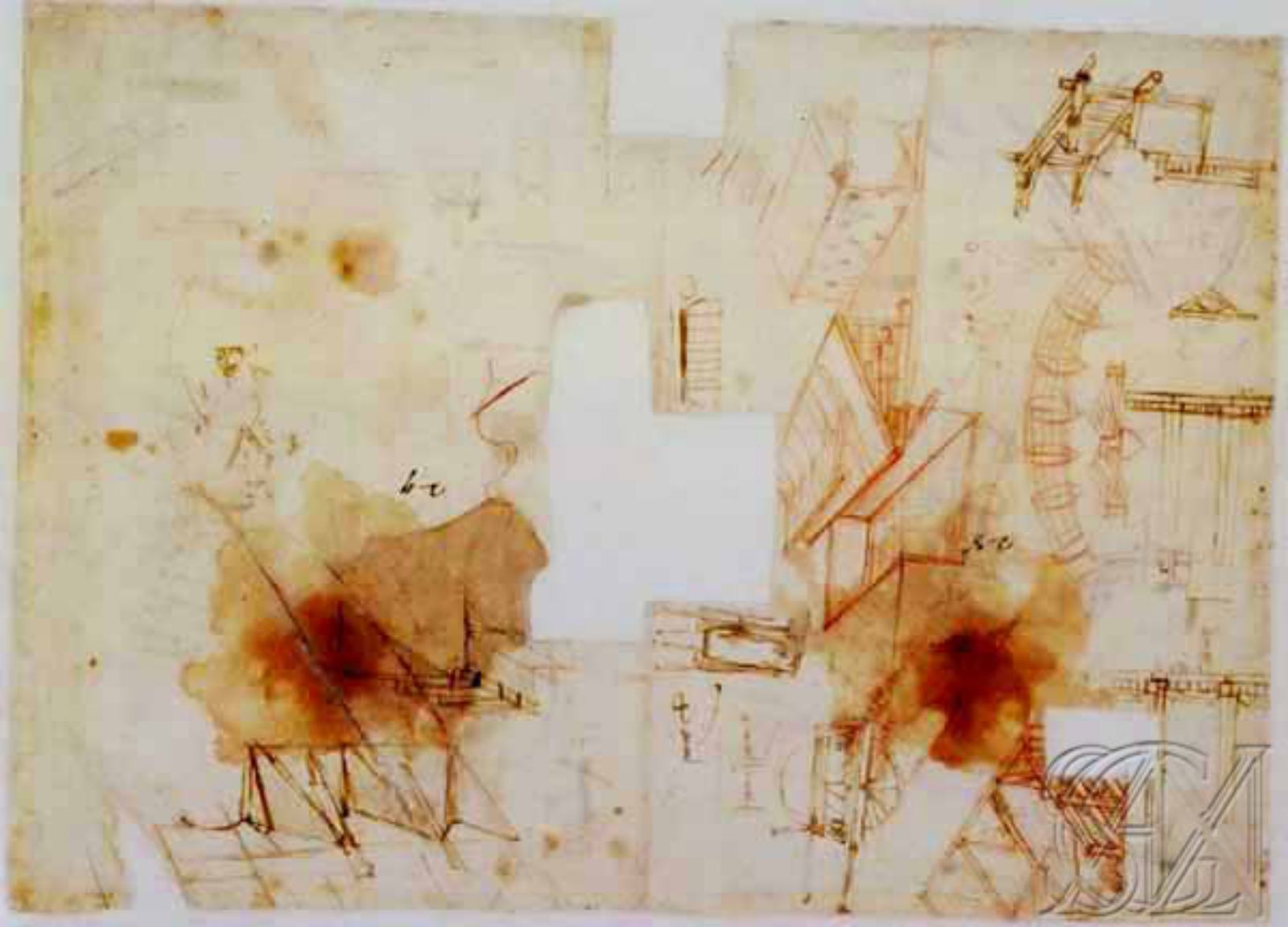


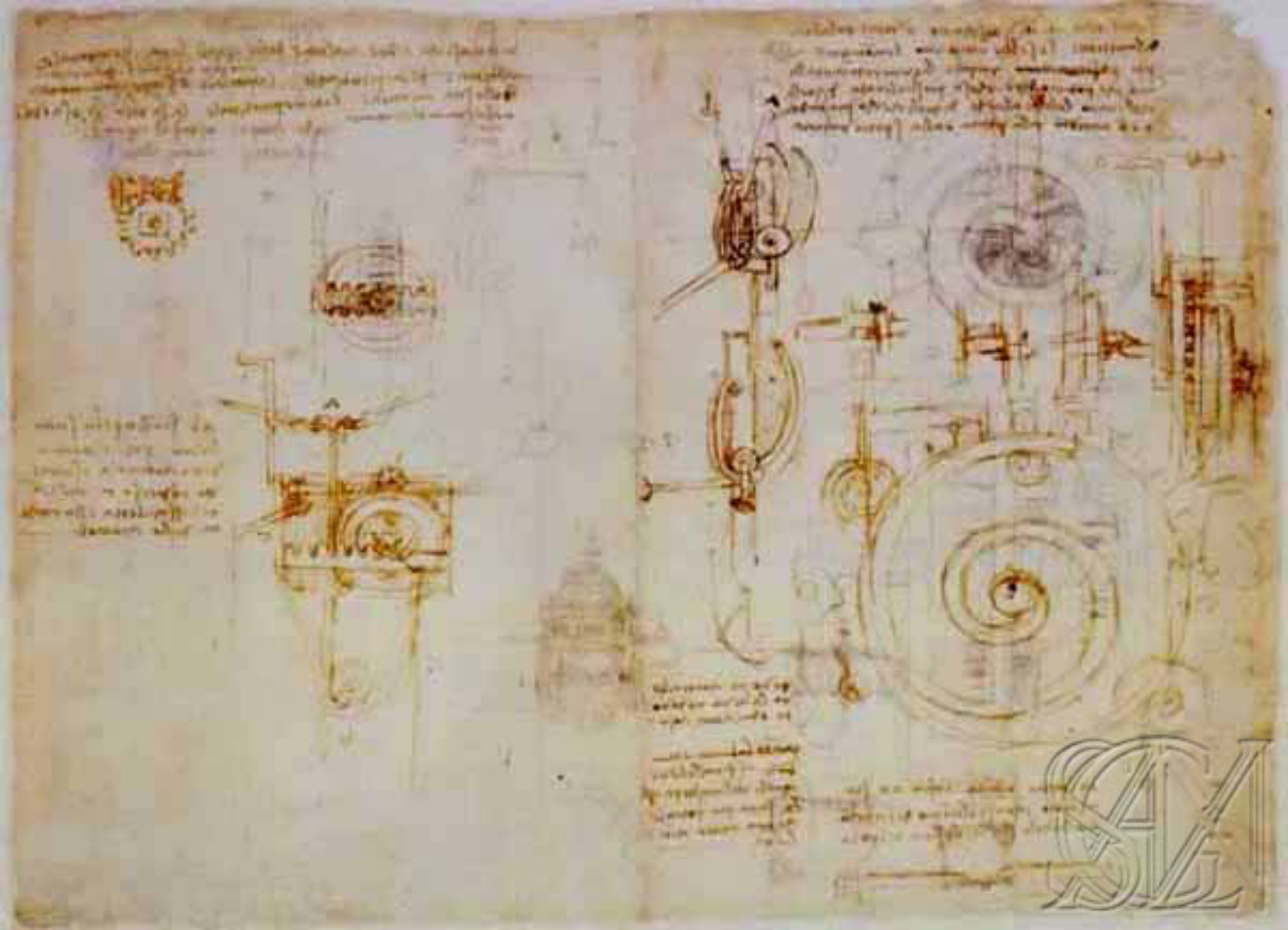


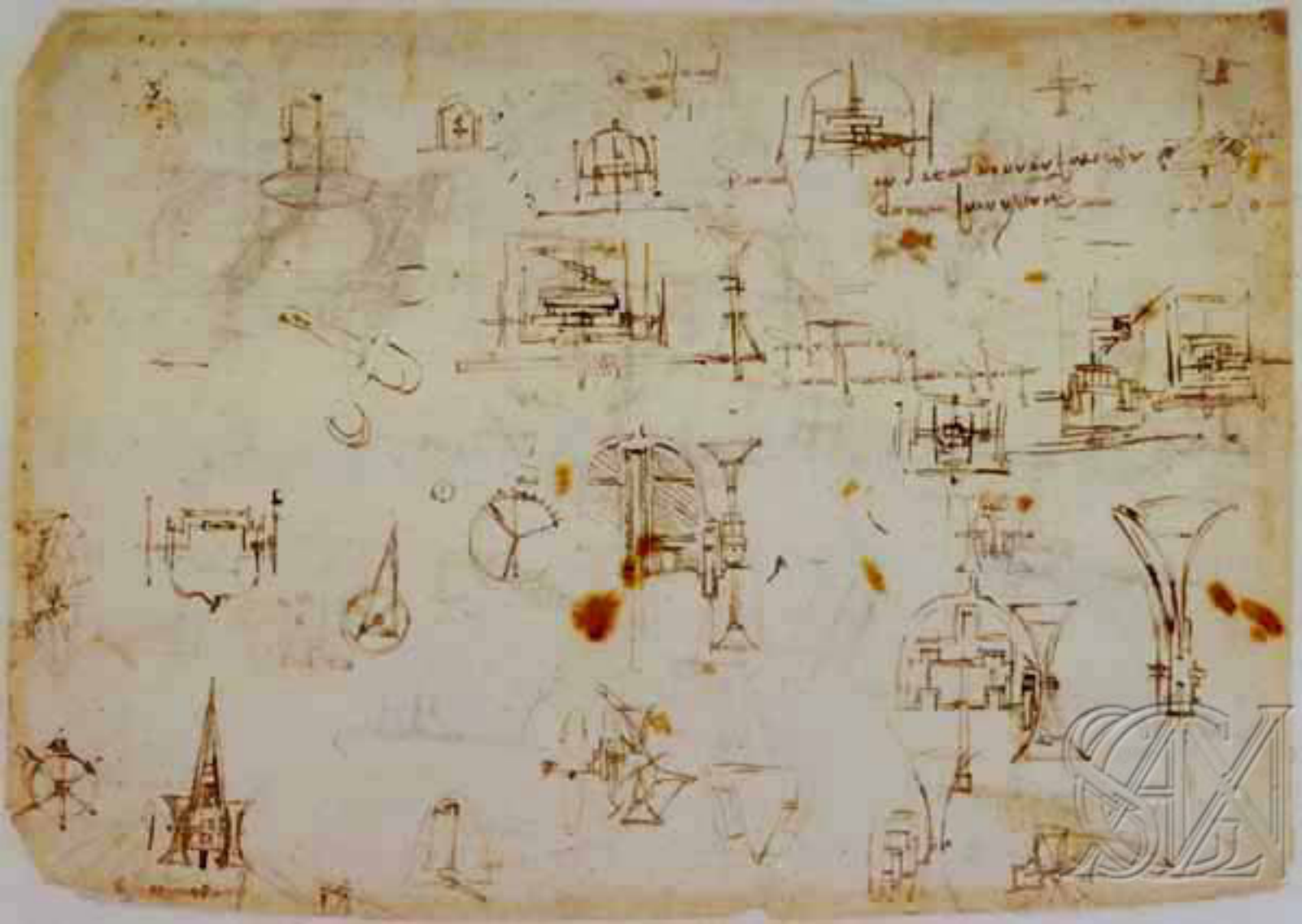


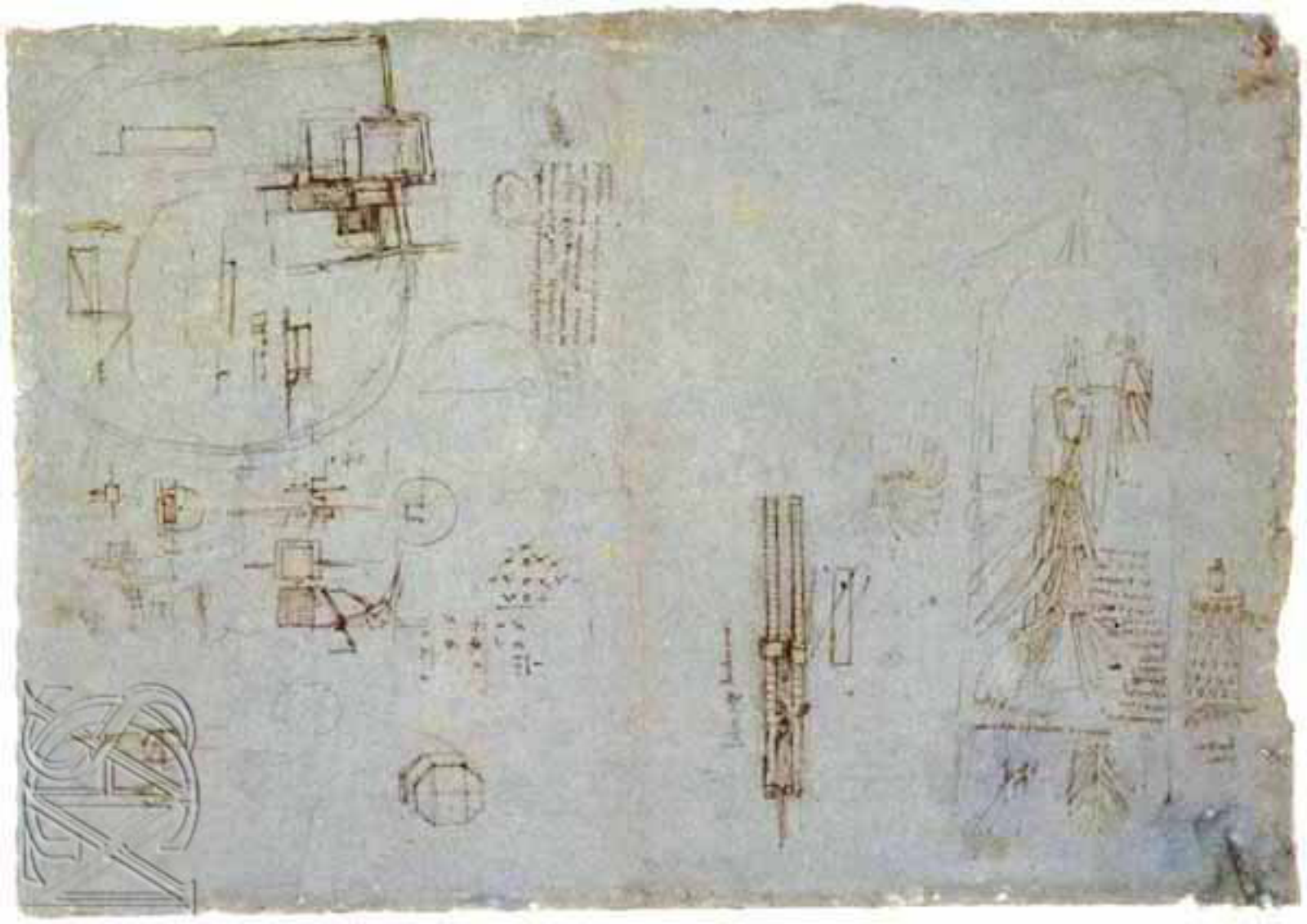


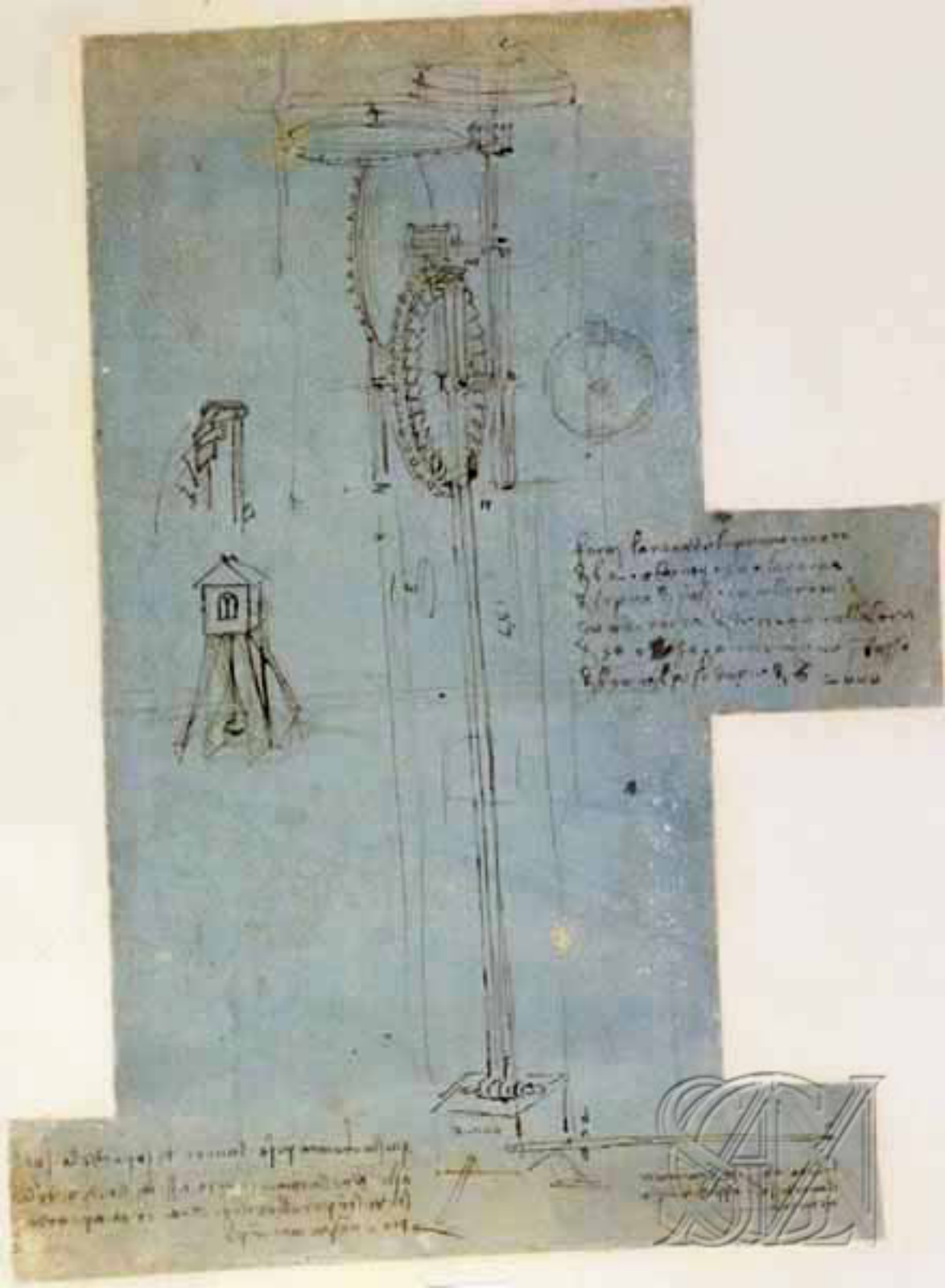


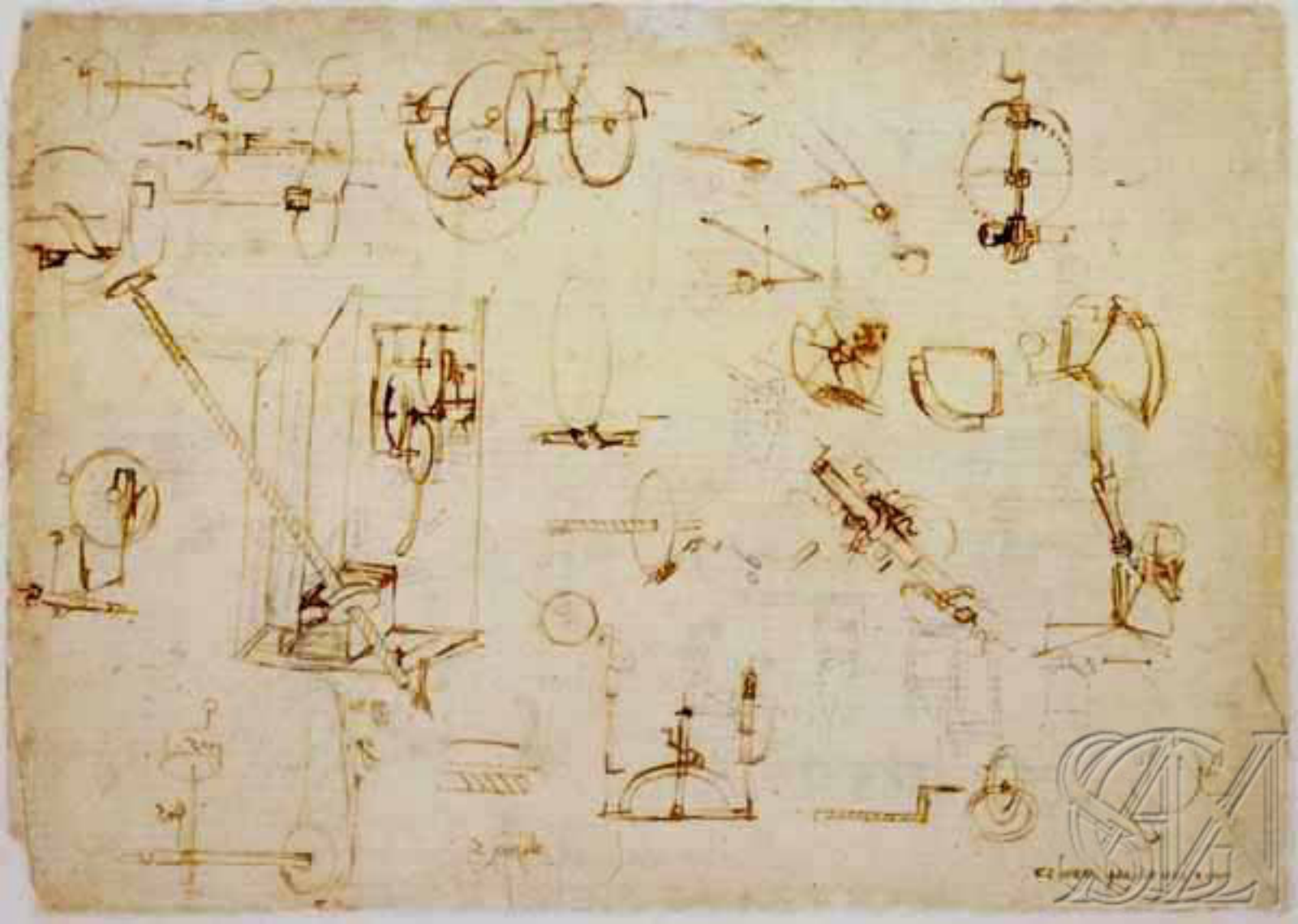


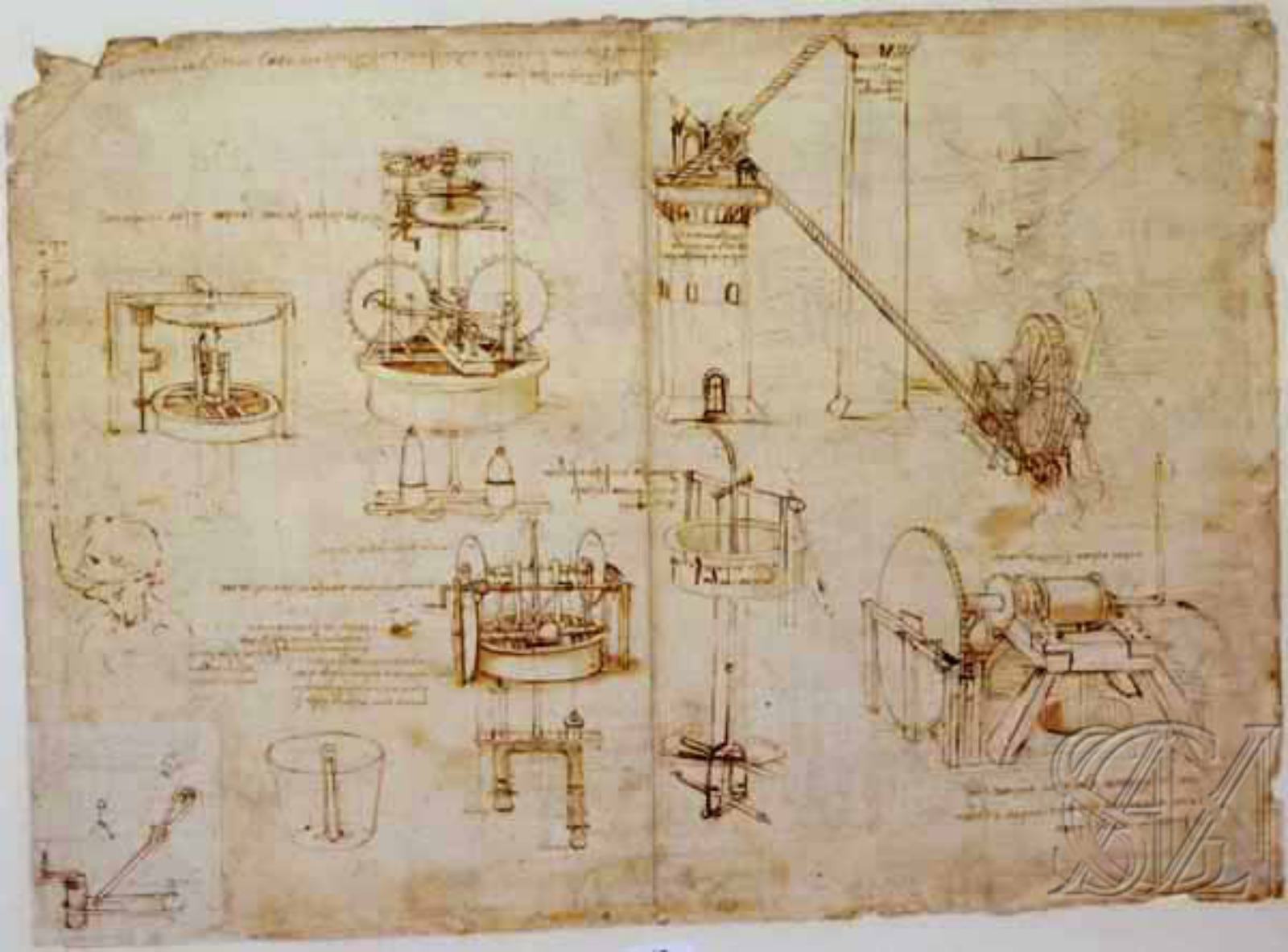


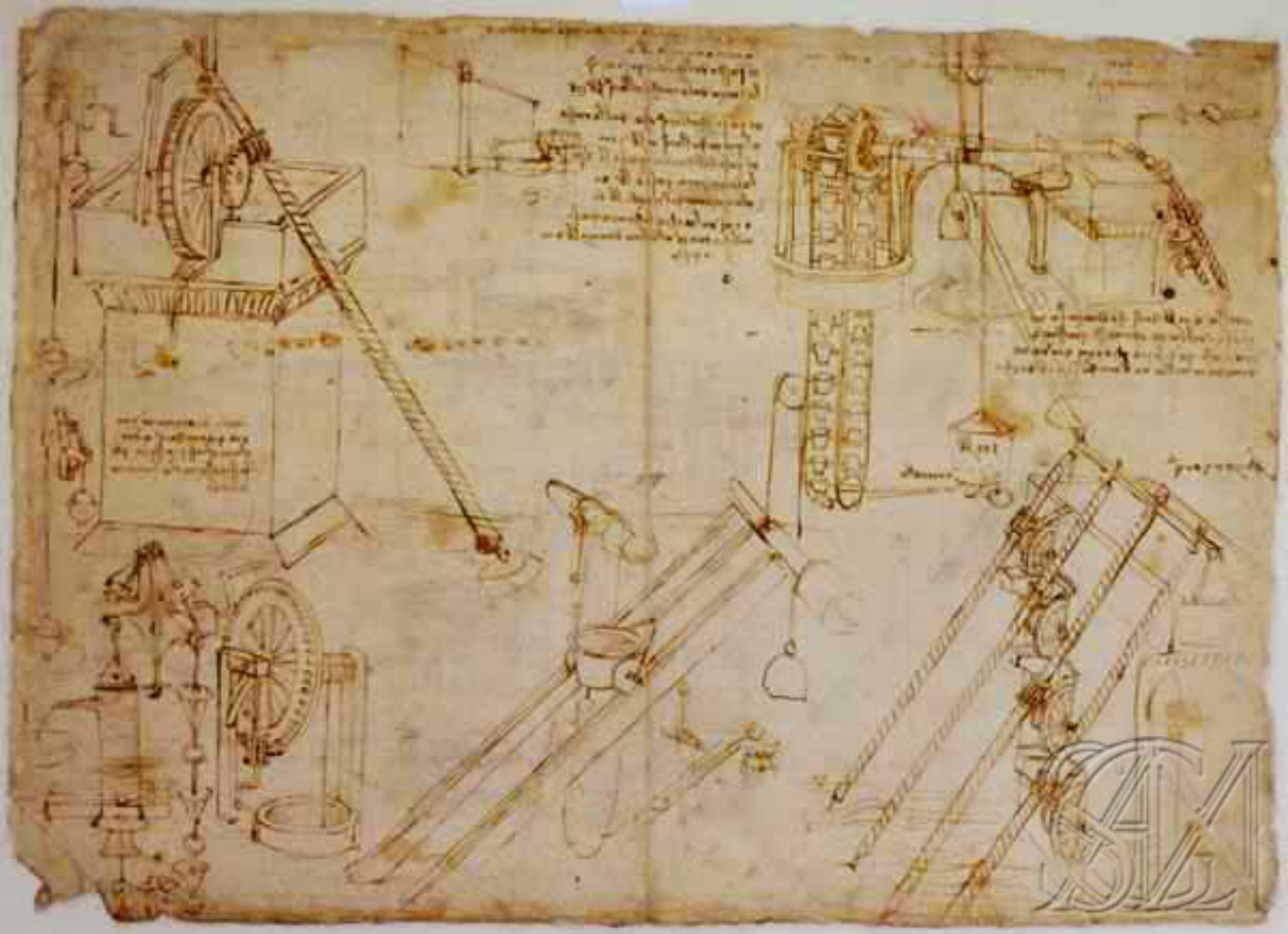


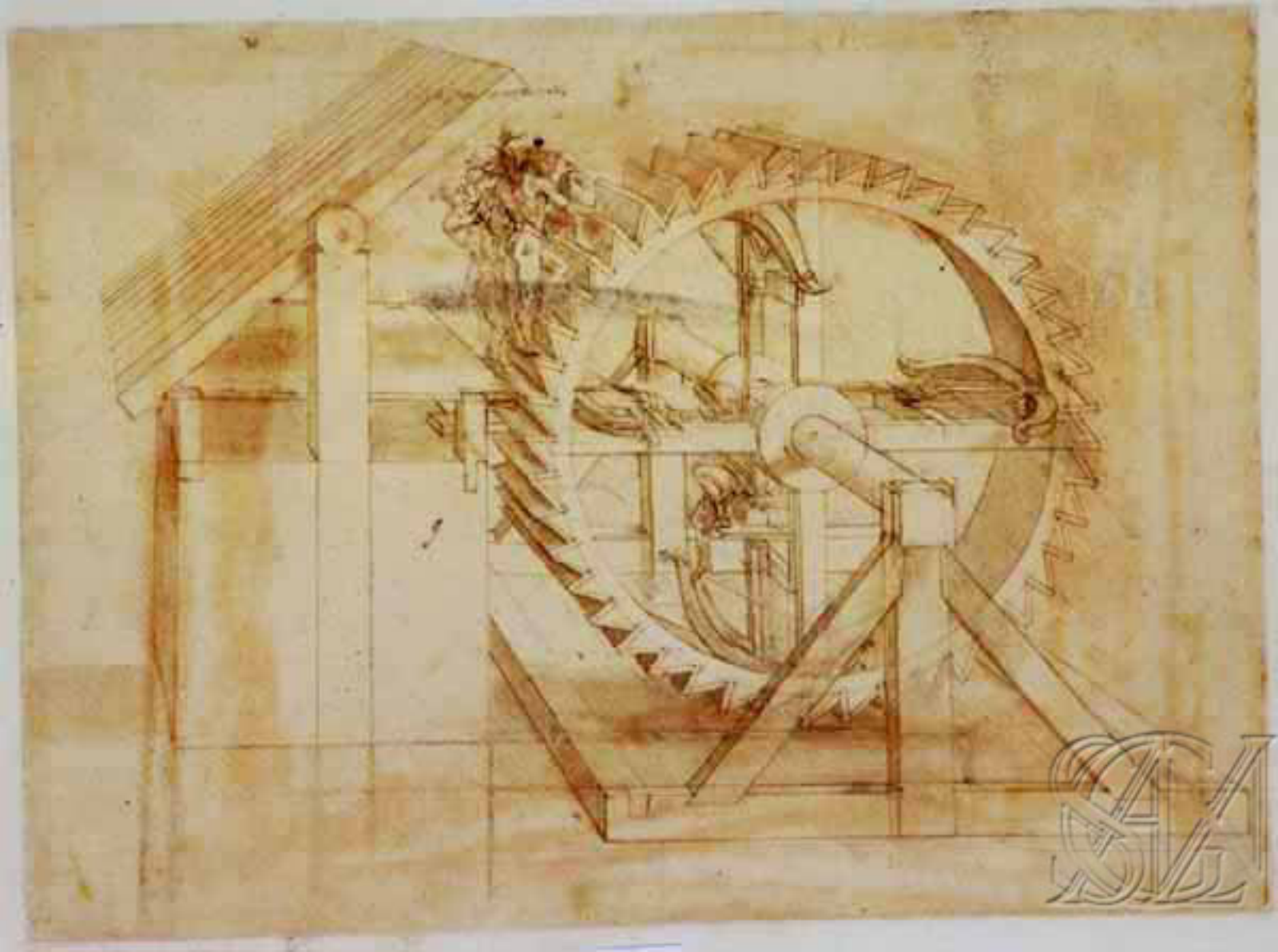


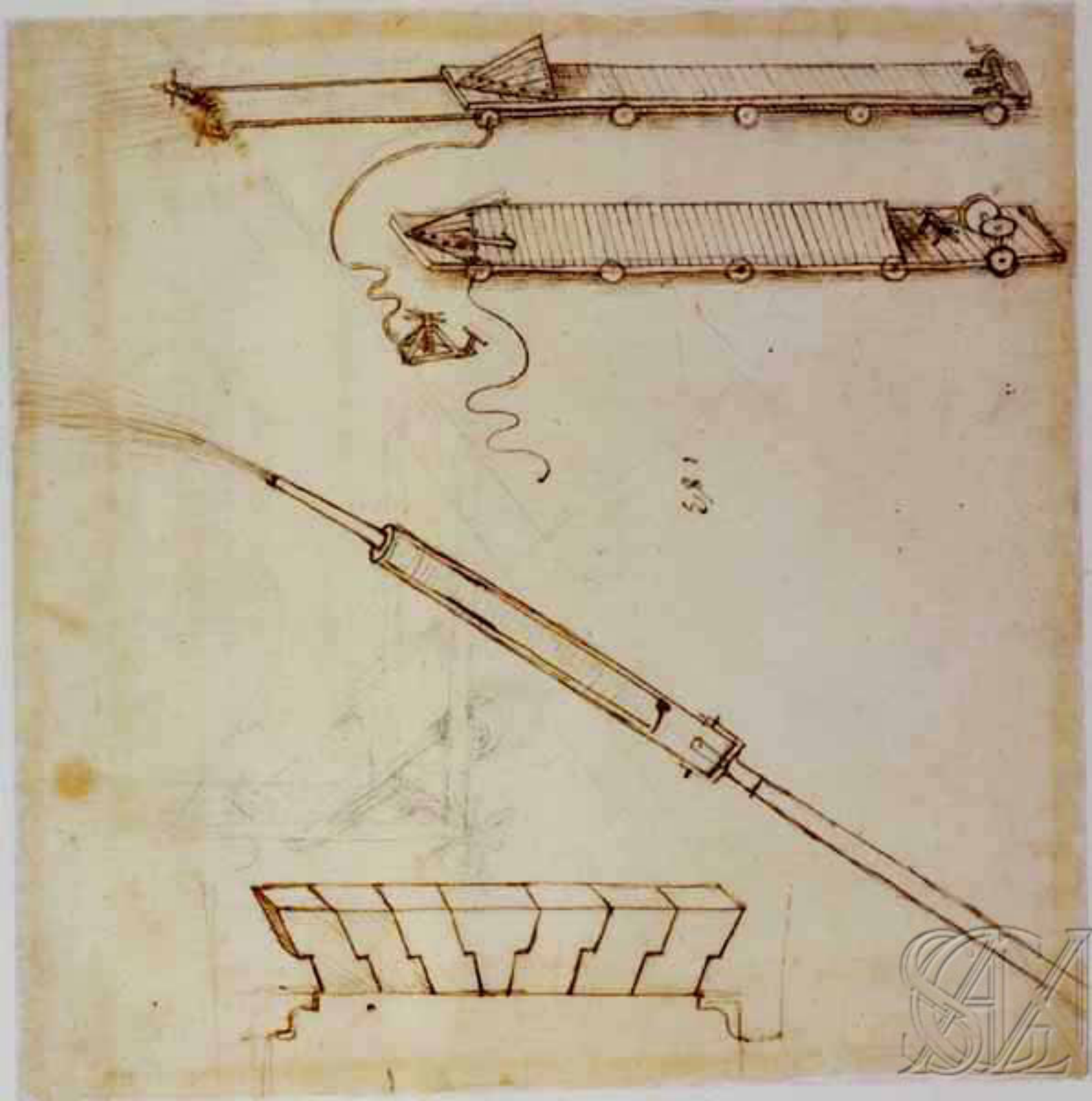


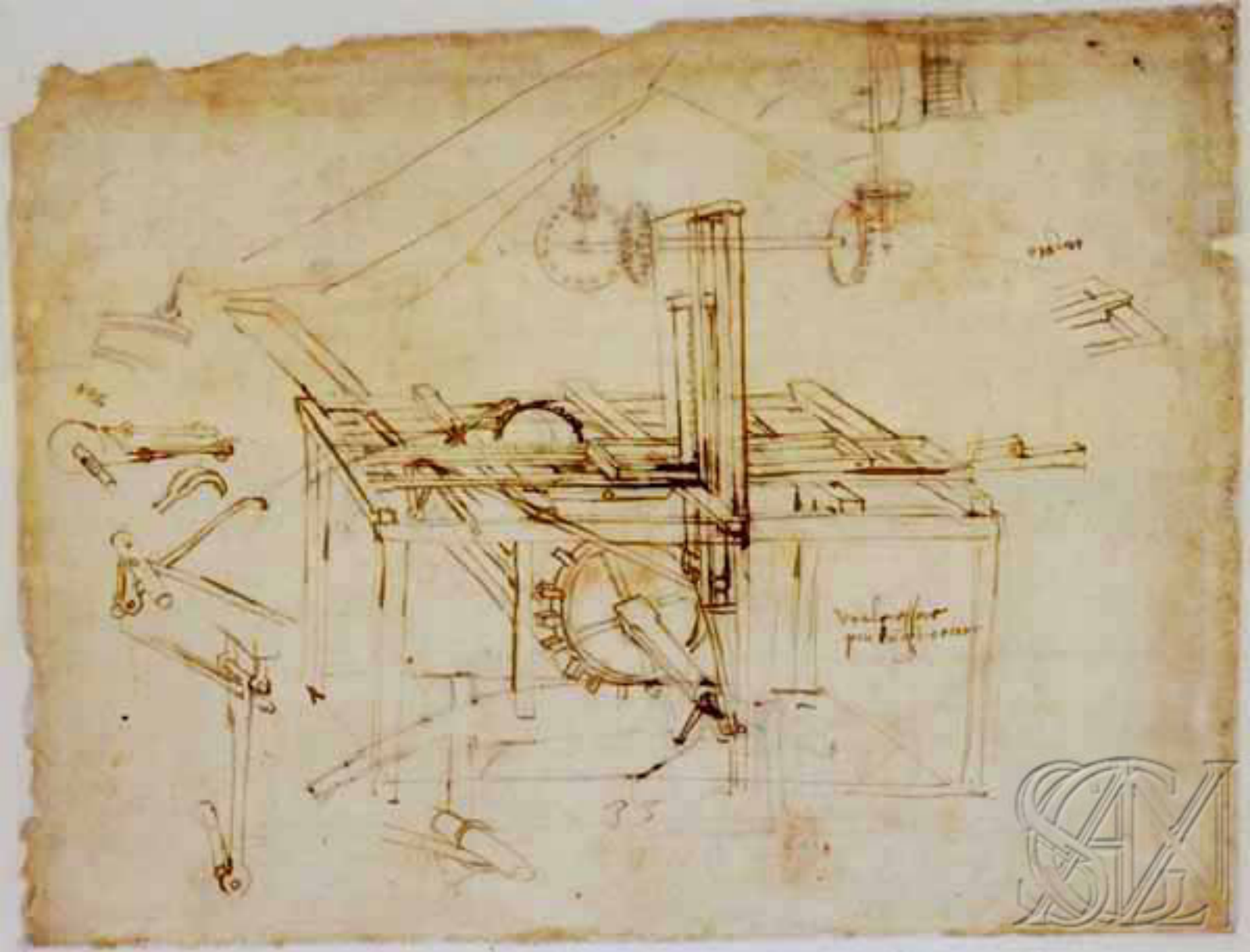












Havendo S.re mio Ill.mo visto et considerato horamai ad sufficientia le prove di tutti quelli che si reputono maestri et compositori de instrumenti bellici . et che le inventione et operatione di dicti instrumenti non sono niente alieni dal comune uso . mi exforzerò non derogando a nessuno altro farmi intender da V. Ex.tia aprendo a quella li secreti mei . et appresso offerendoli ad omni suo piacimento in tempi opportuni operare cum effecto circa tutte quelle cose che sub brevità in parte saranno qui di sotto notate ~~et etiam in molte più secondo le occurrentie de diversi casi~~ etc.

Ho modi de ponti leggerissimi et forti et acti ad portare facilissimamente . et cum quelli seguire et alcuna volta ~~secondo le occurrentie~~ fuggire li inimici et altri securi et inoffensibili da foco et battaglia facili et commodi da levare et ponere . Et modi de ardere et disfare quelli de l'inimico.

So in la obsidione de una terra togliere via l'aqua de' fossi . et fare infiniti ponti gatti et scale et altri instrumenti pertinenti ad dicta expeditione

Item se per altezza de argine o per fortezza de loco et di sito non si potesse in la obsidione de una terra usare l'officio de le bombarde ho modi di ruinare omni rocca o altra forteza se già non fusse fondata in sul saxo etc.

Ho ancora modi de bombarde commodissime et facile ad portare . Et con quelle buttare minuti saxi a similitudine quasi di tempesta . Et con el fumo di quella dando grande spavento al inimico con grave suo danno et confusione etc.

Et quando accadesse essere in mare ho modi de molti instrumenti actissimi da offendere et defendere et navili che faranno resistentia al trarre de omni grossissima bombarda et polver et fumi

[illegible] facte senza alcuno strepito per venire ad uno ~~certo~~ et [illegible] loco [illegible] passare sotto fossi o alcuno fiume

[illegible] coperti securi et inoffensibili [illegible] intrando intra li inimici [illegible] non è sì grande multitudine di gente d'arme [illegible] potranno seguire fanterie assai [illegible] impedimento

Item [illegible] bombarde mortari et passavolanti di bellissime et utile forme fora del comune uso

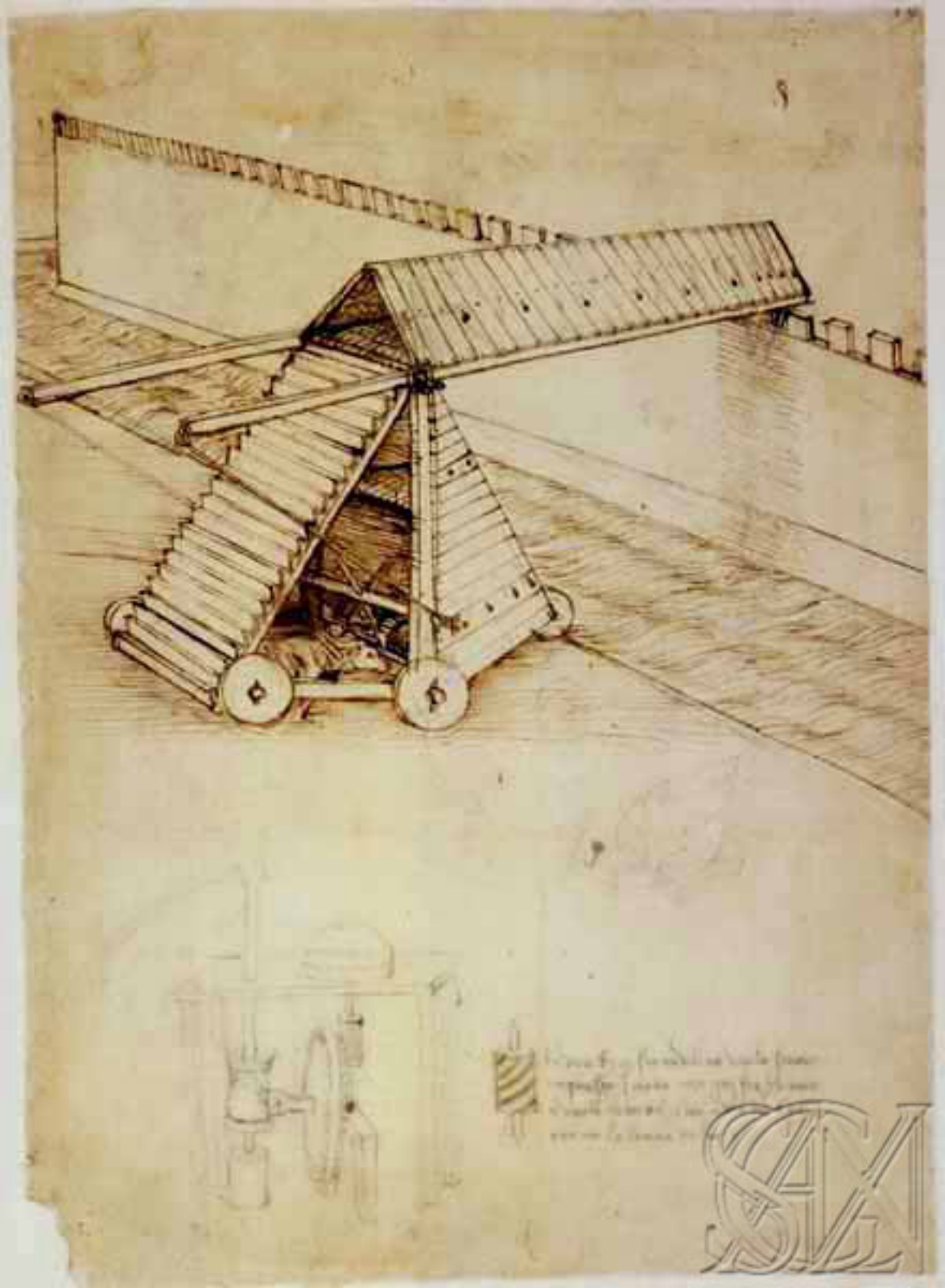
Dove mancassi la operatione de le bombarde componerò briccole mangani trabucchi et altri instrumenti di mirabile efficacia et fora del usato et in somma secondo la varietà de' casi componerò varie et infinite cose da offendere [illegible]

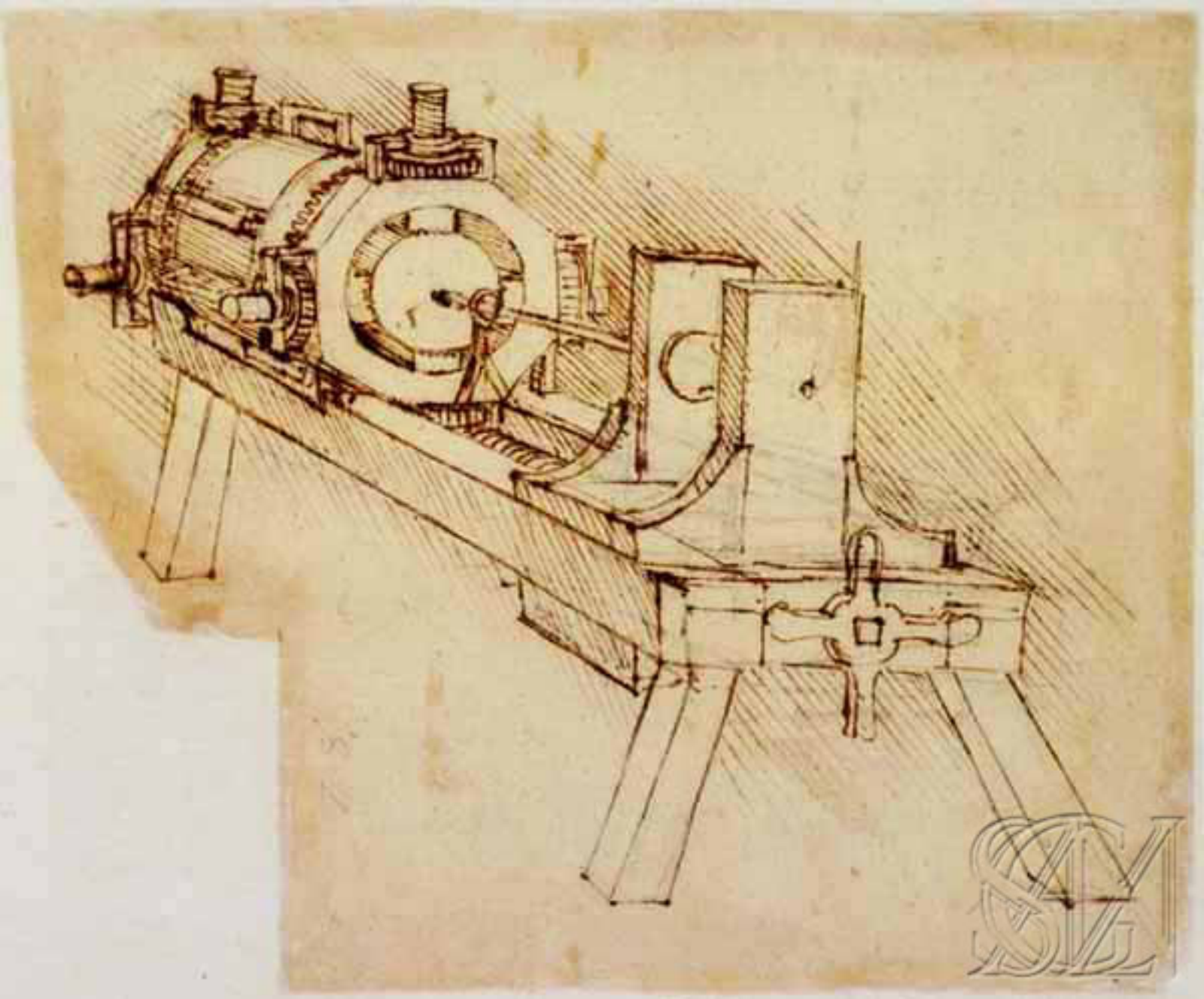
In tempo di pace credo satisfare benissimo a paragone de omni altro in architectura in compositione di edificii et publici et privati et in conducere aqua da uno loco ad uno altro

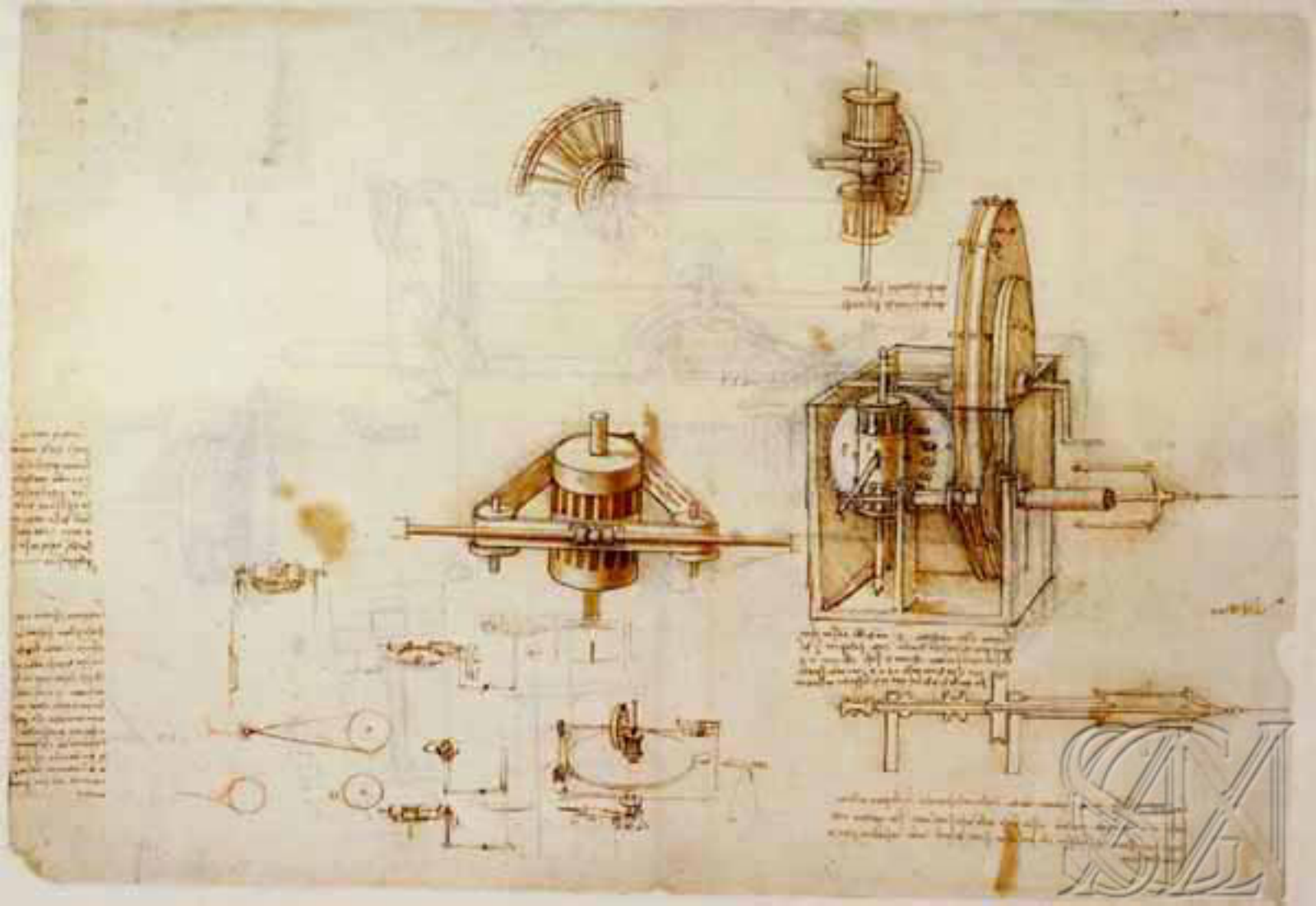
Item conducerò in sculptura de marmore di bronzo et di terra similiter in pictura ciò che si possa fare ad paragone de omni altro et sia chi vole

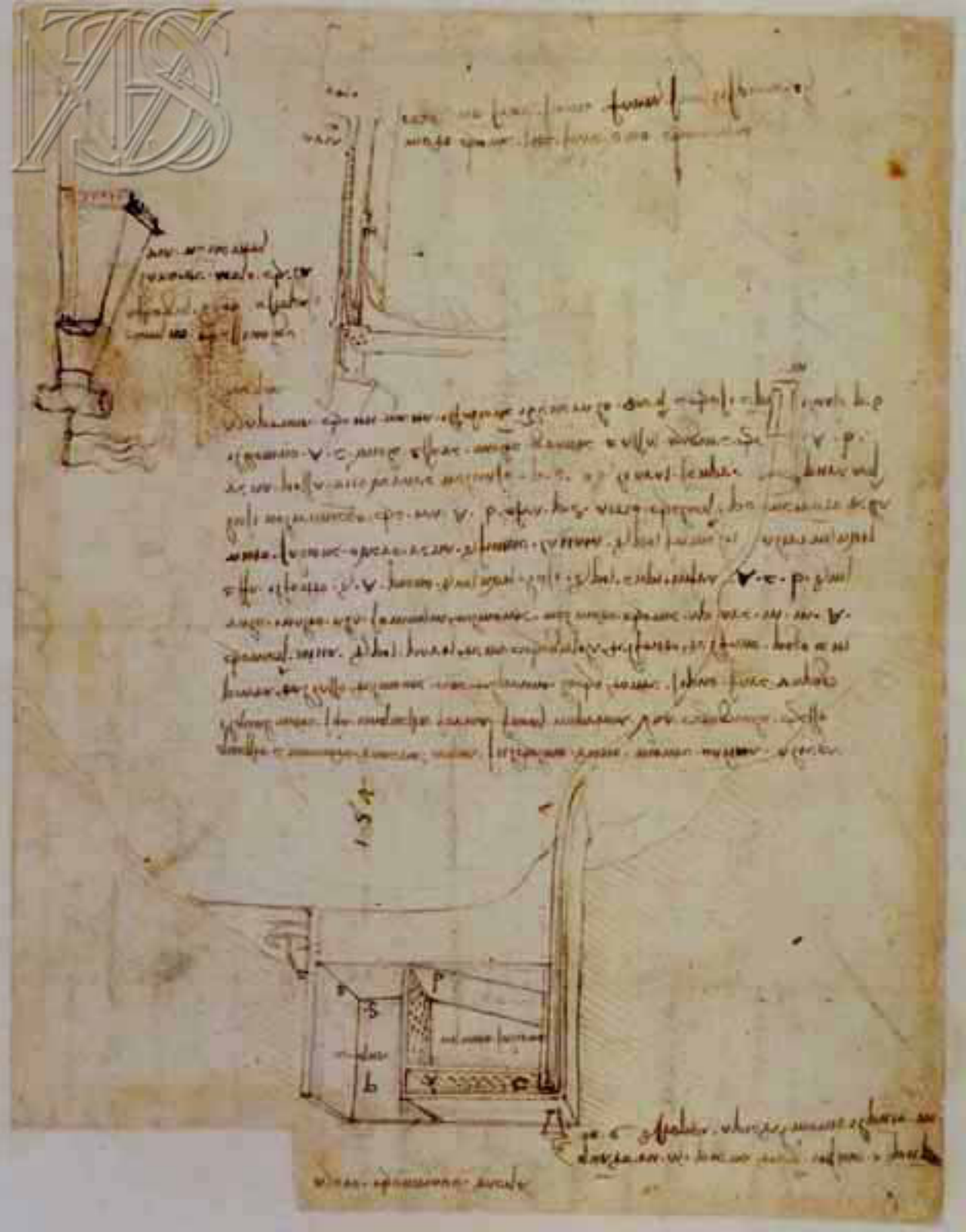
Ancora si poterà dare opera al cavallo di bronzo che sarà gloria immortale et eterno honore de la felice memoria del S.re vostro patre et de la inclyta casa Sforzesca

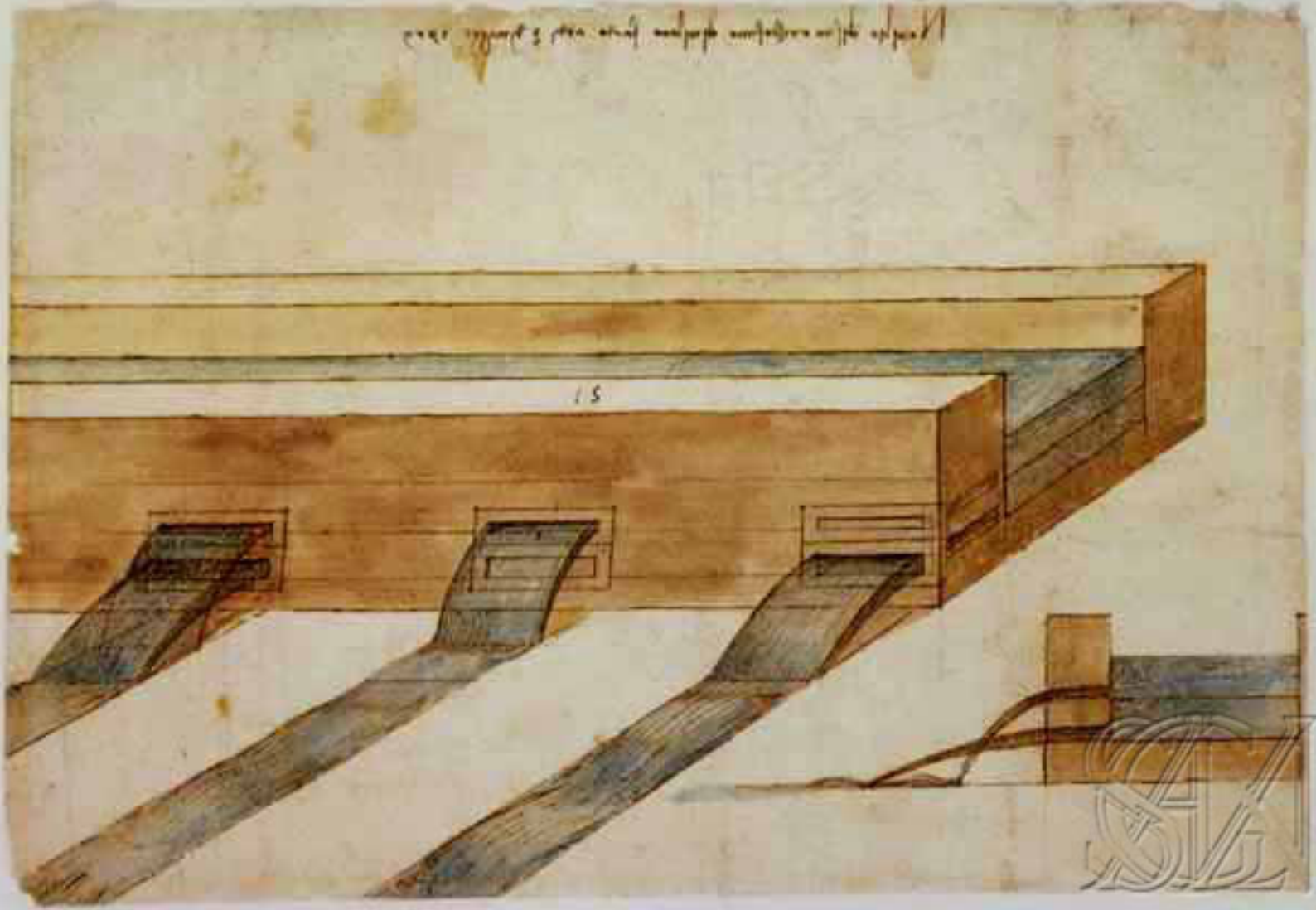
Et se alchuna de le sopra dicte cose a alchuno paressino impossibile et infactibile me offero paratissimo ad farne experimento in el parco vostro o in qual loco piacerà a V. Ex.tia ad la quale umilmente quanto più posso me recomando







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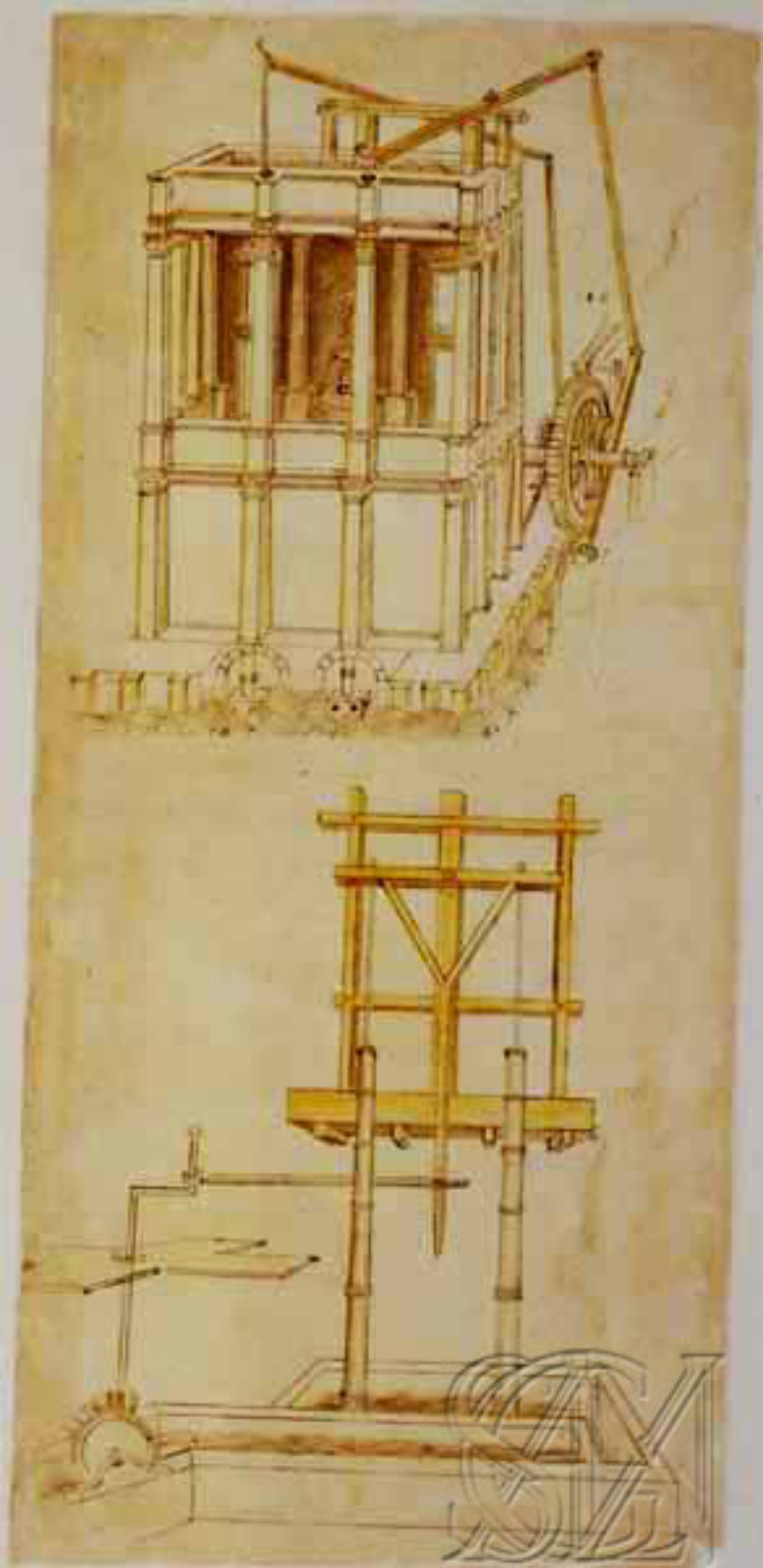

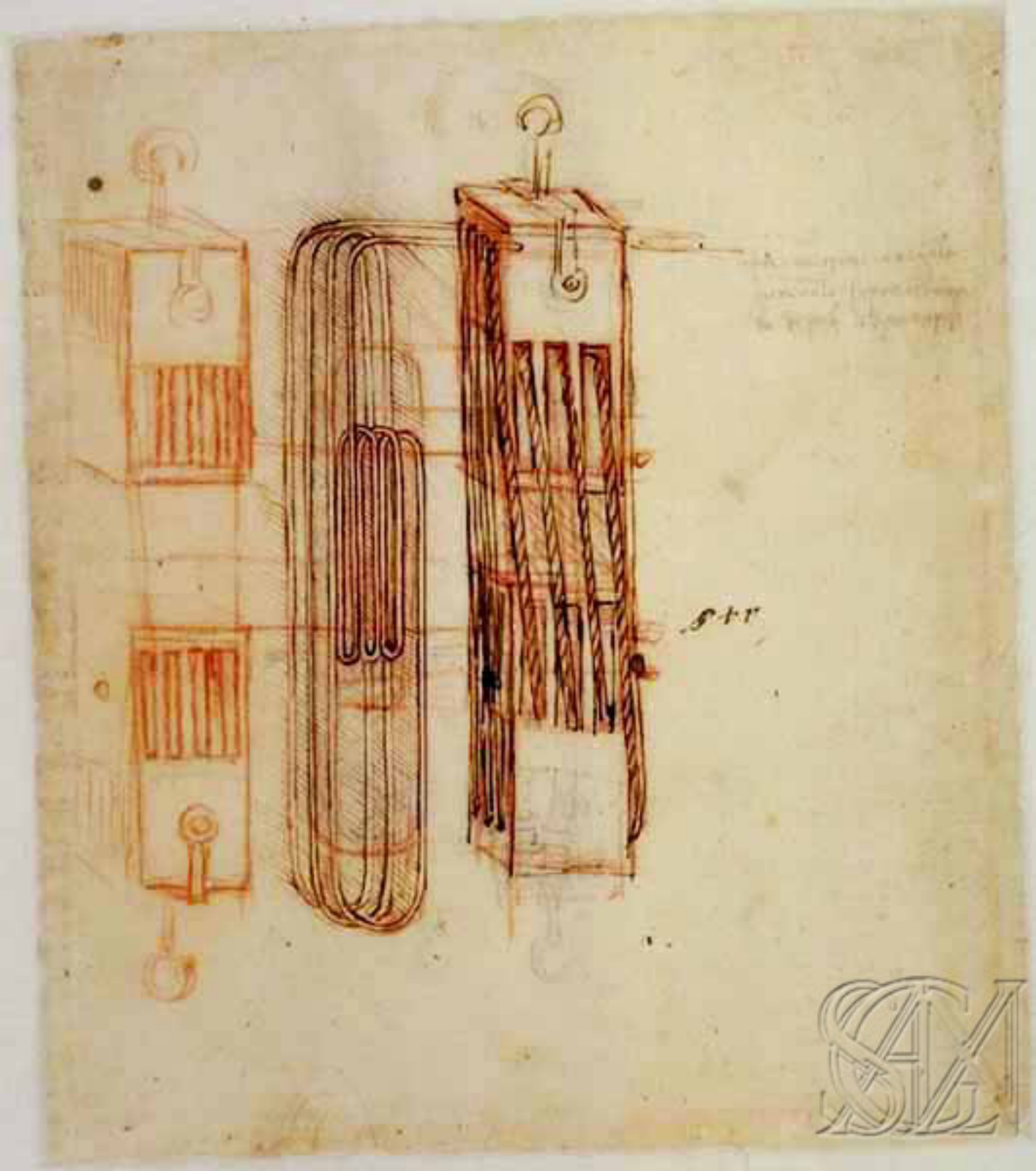

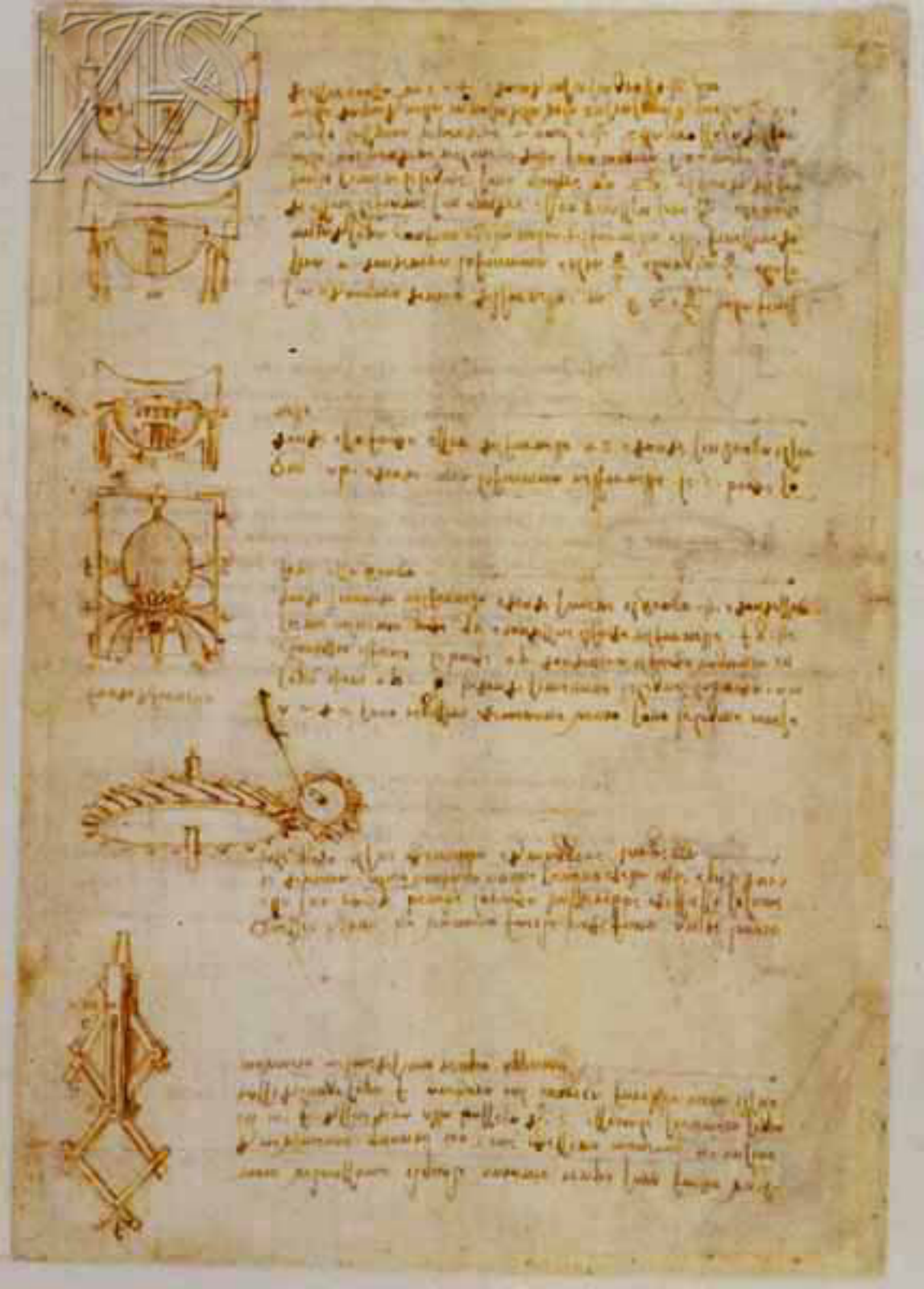

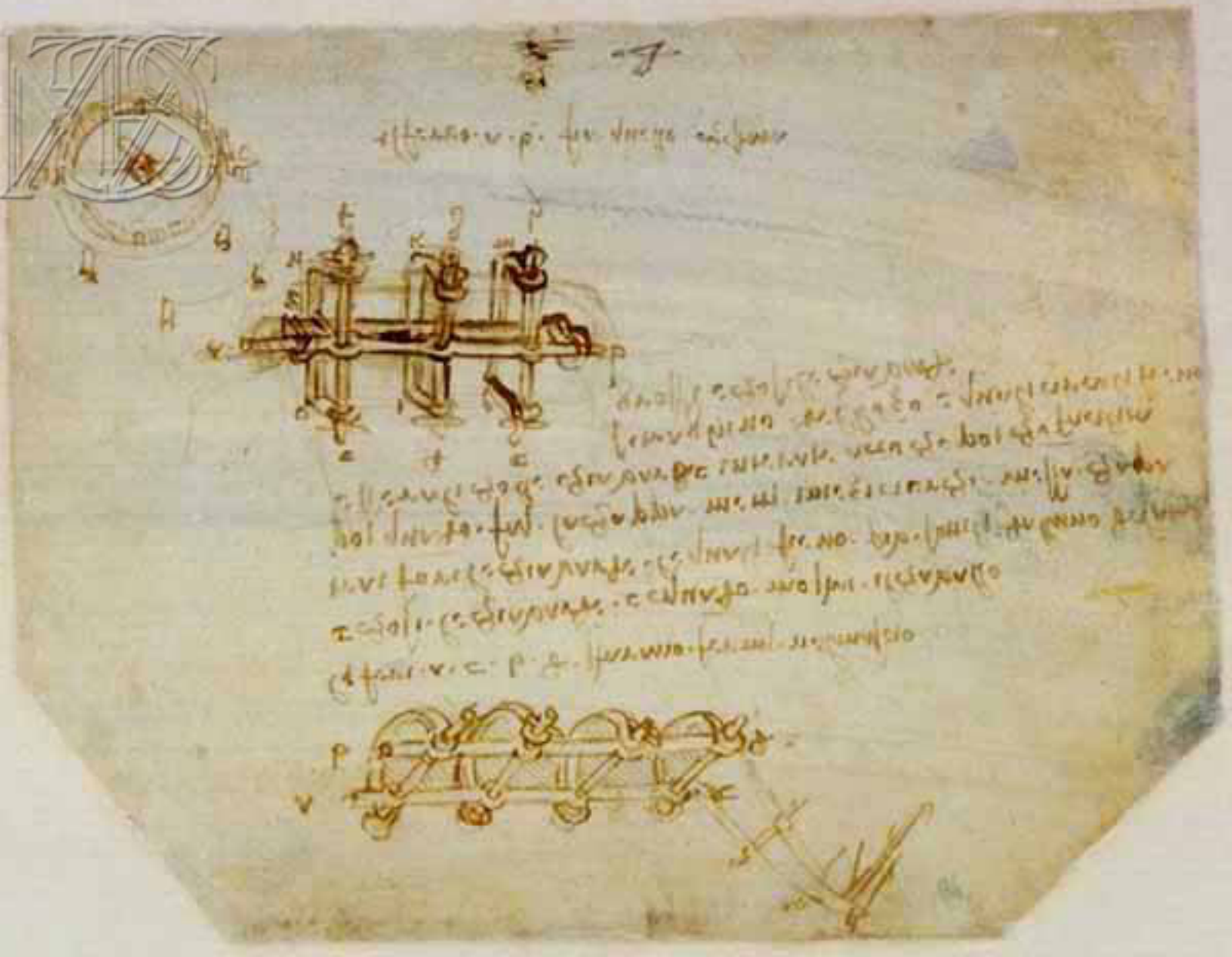

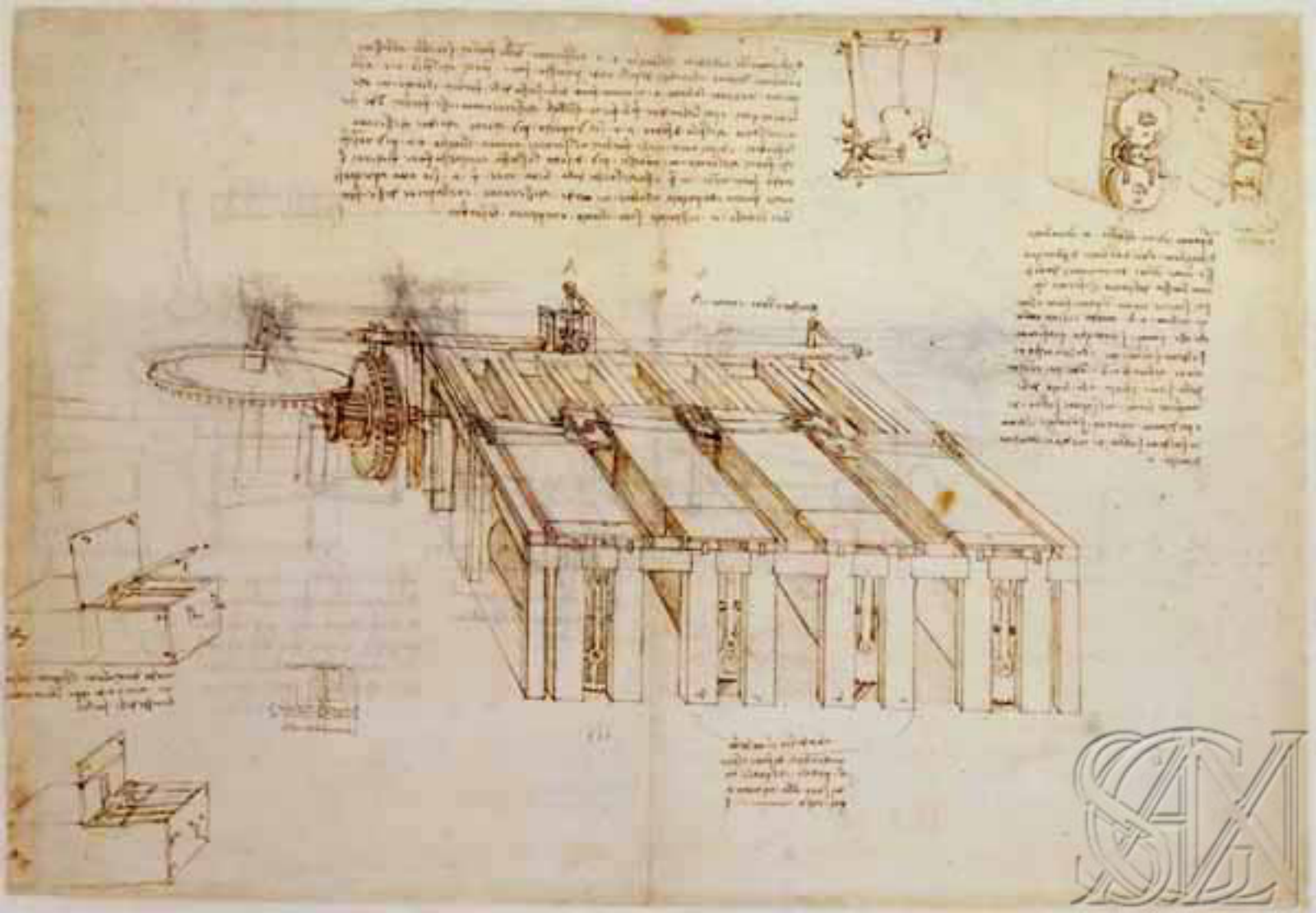

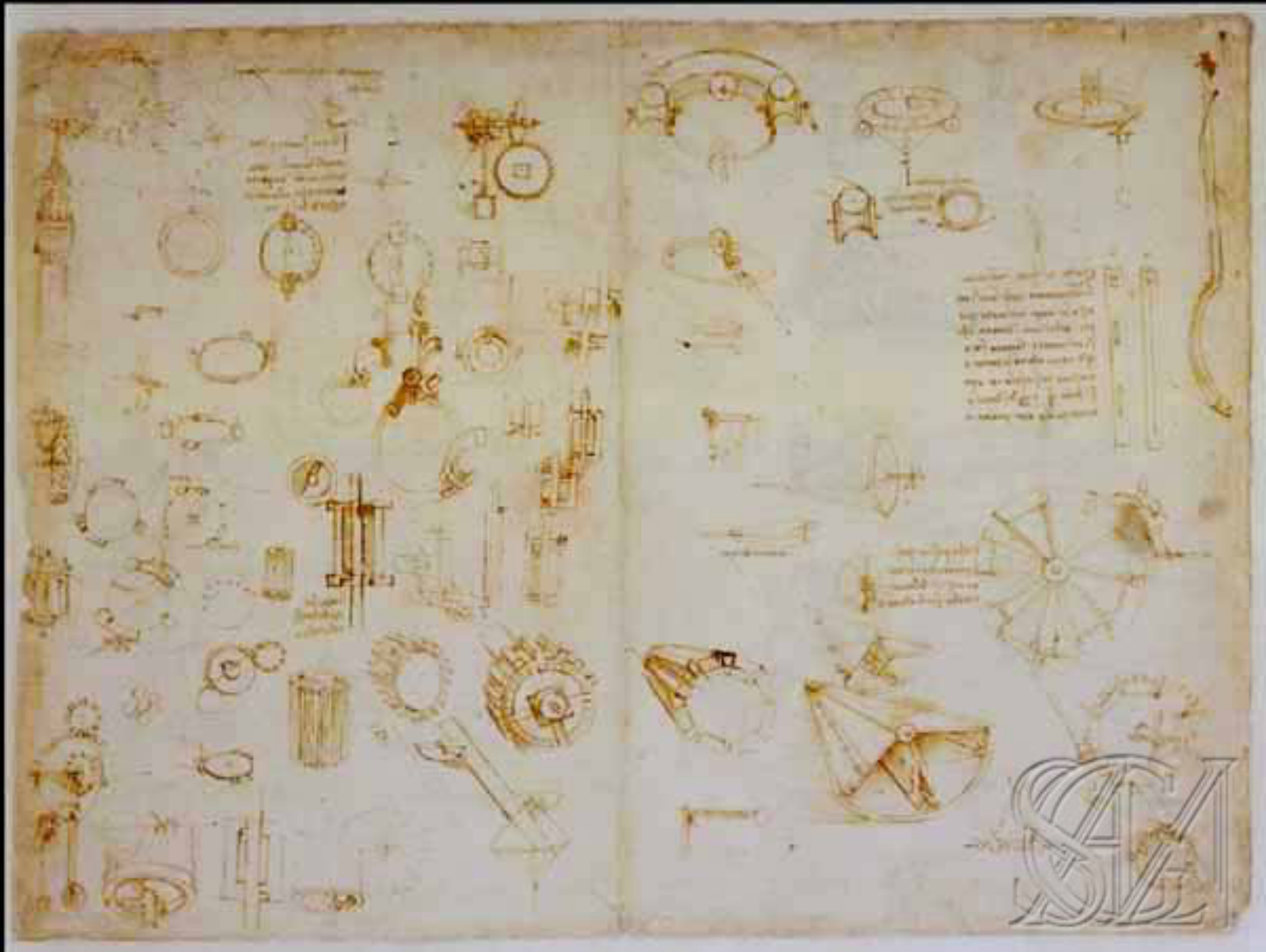

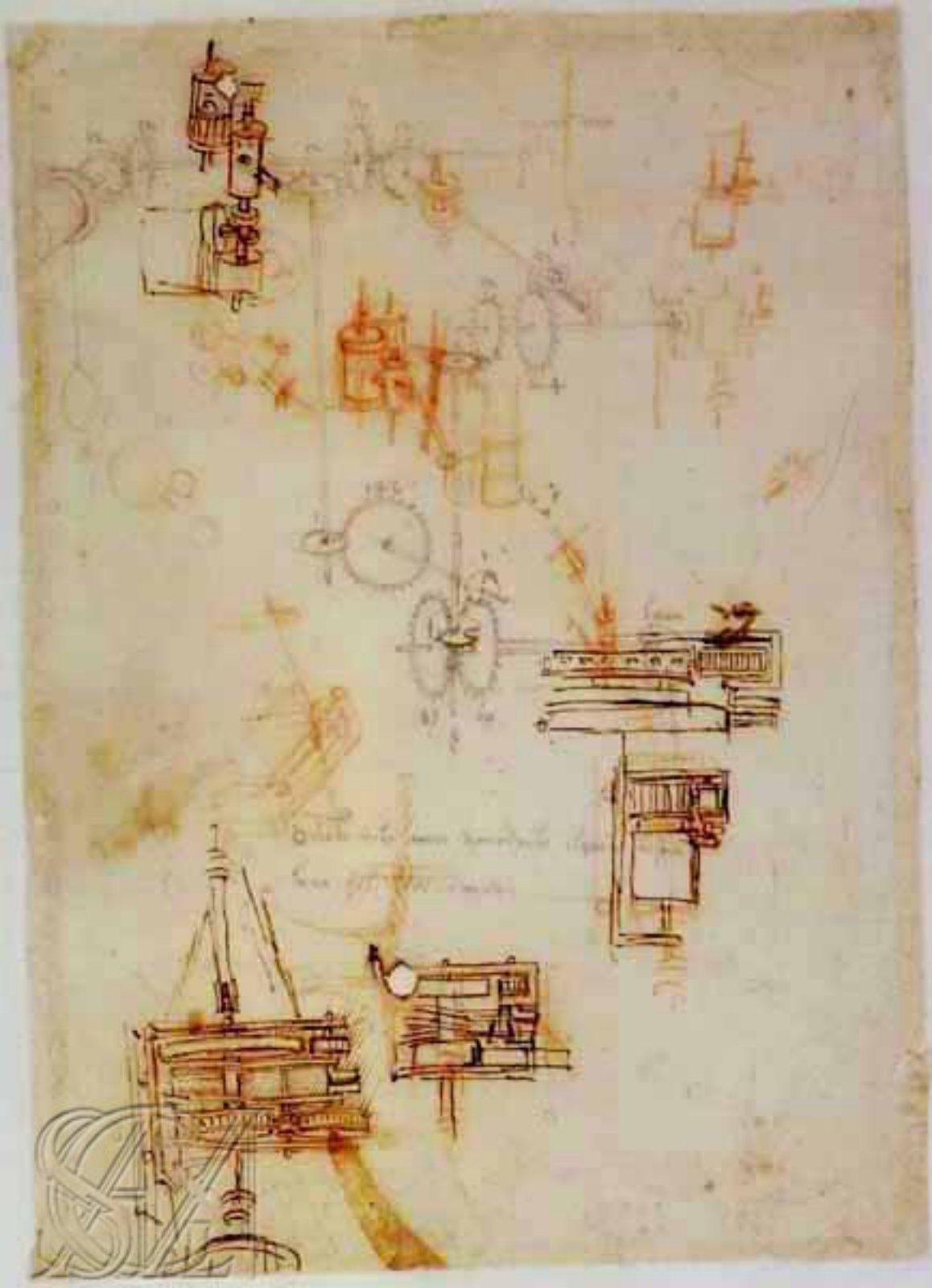

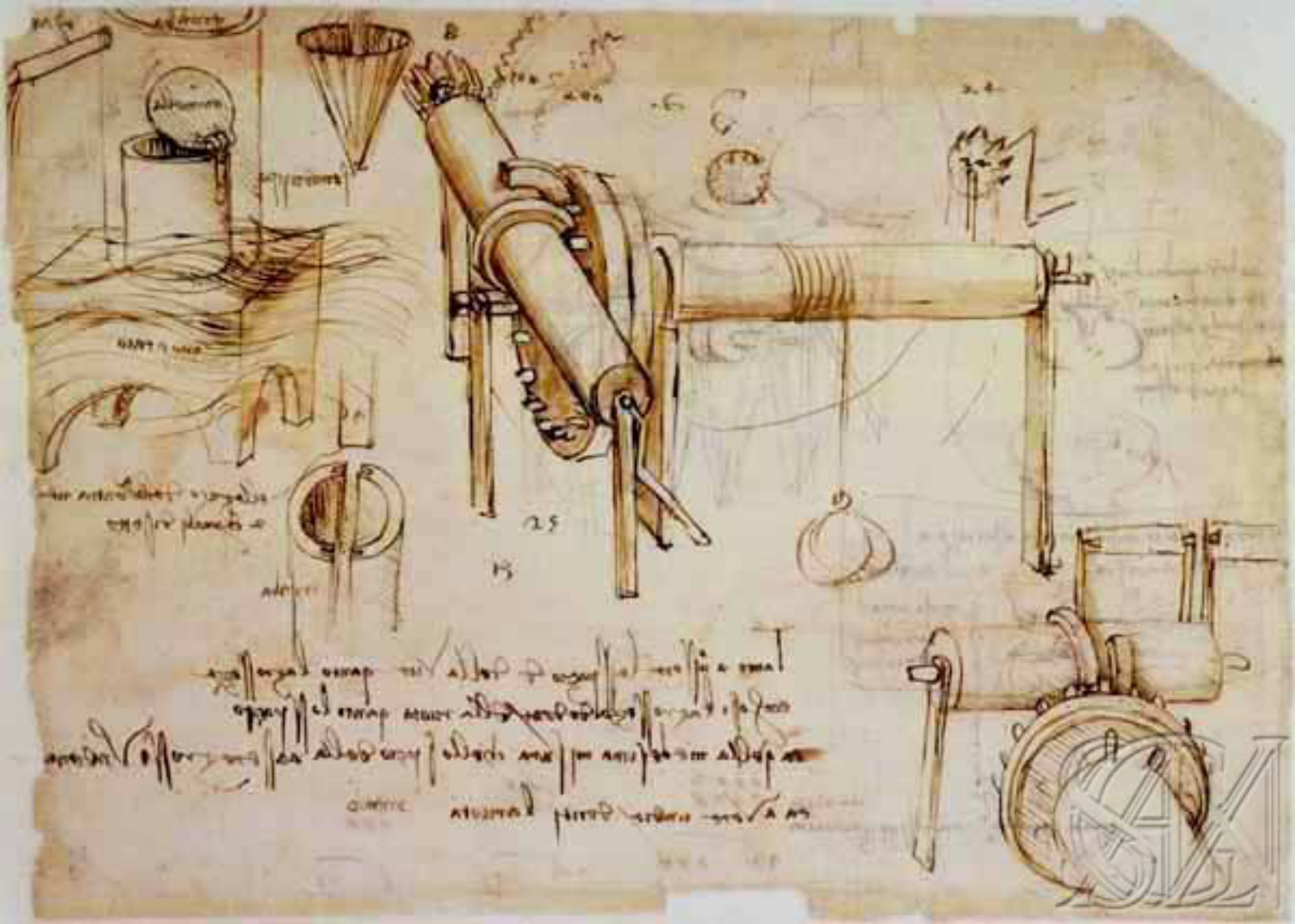

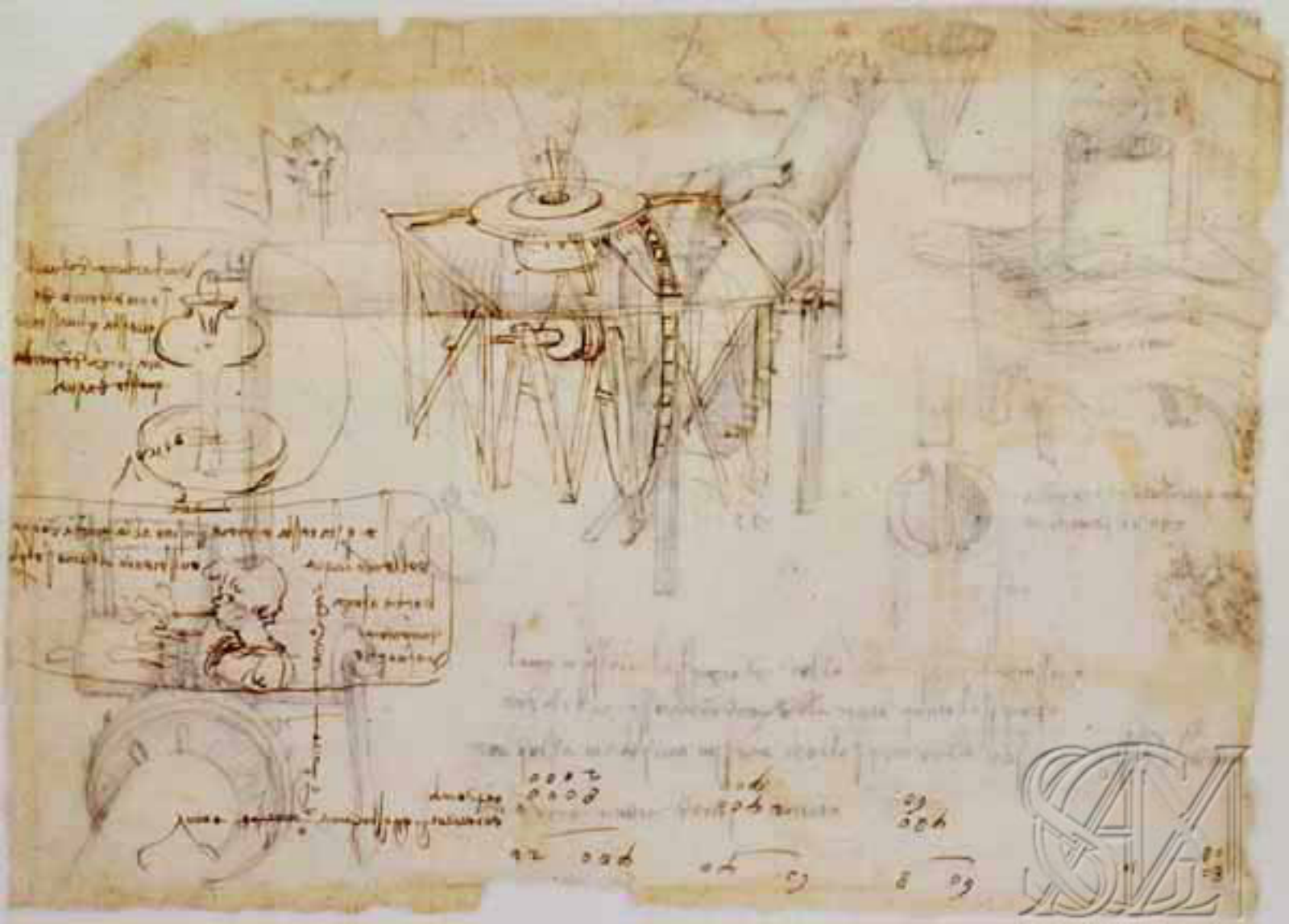

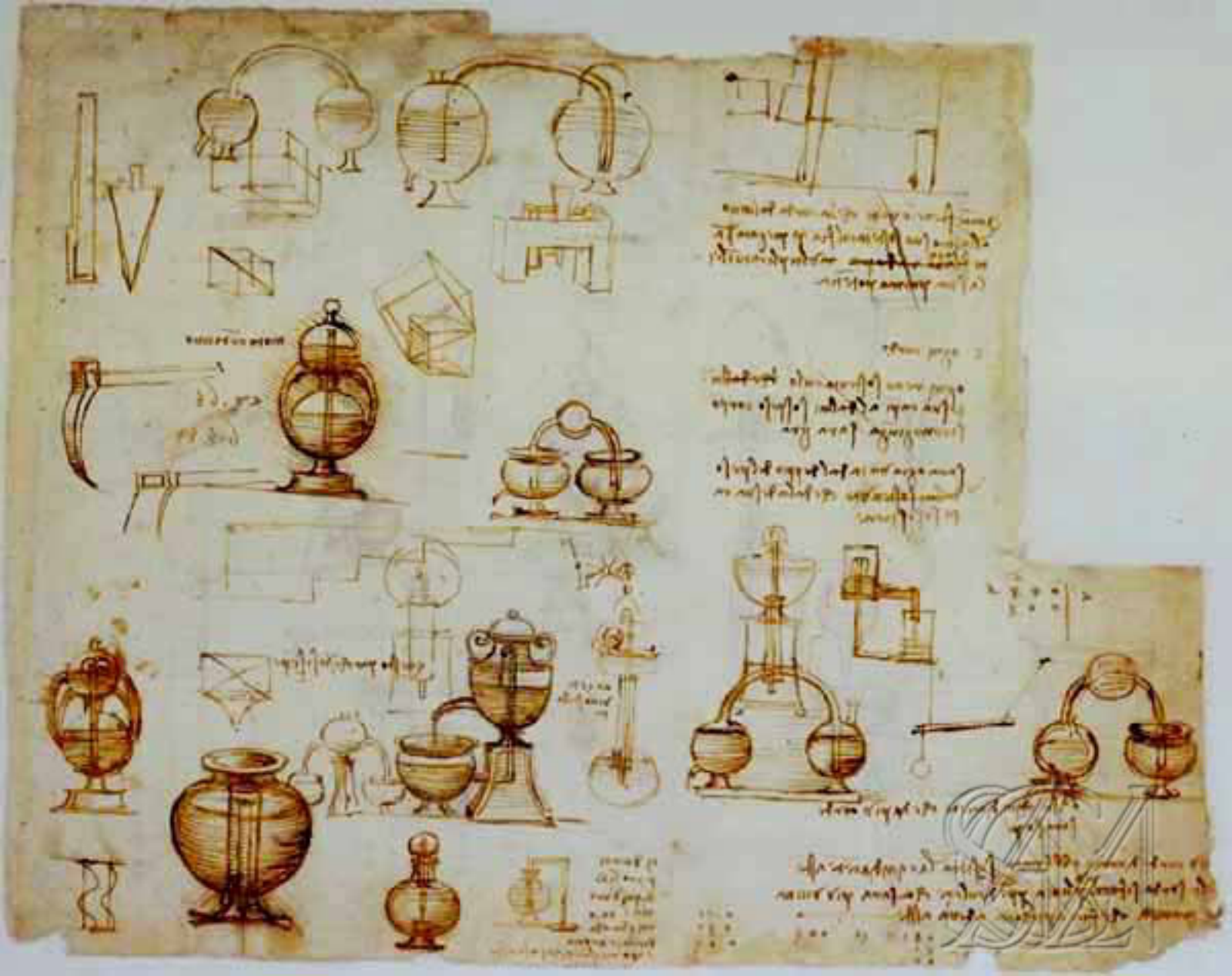

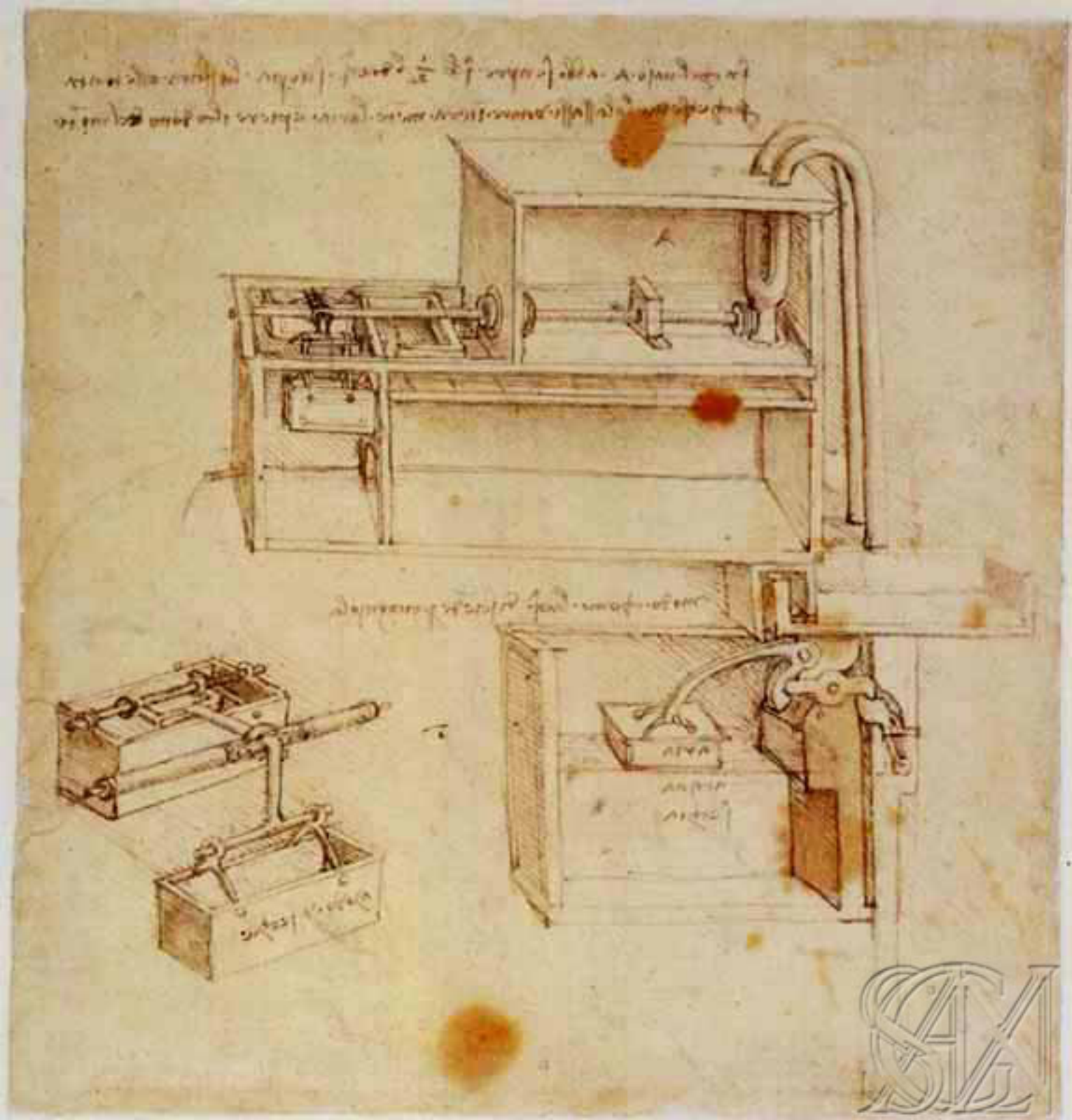

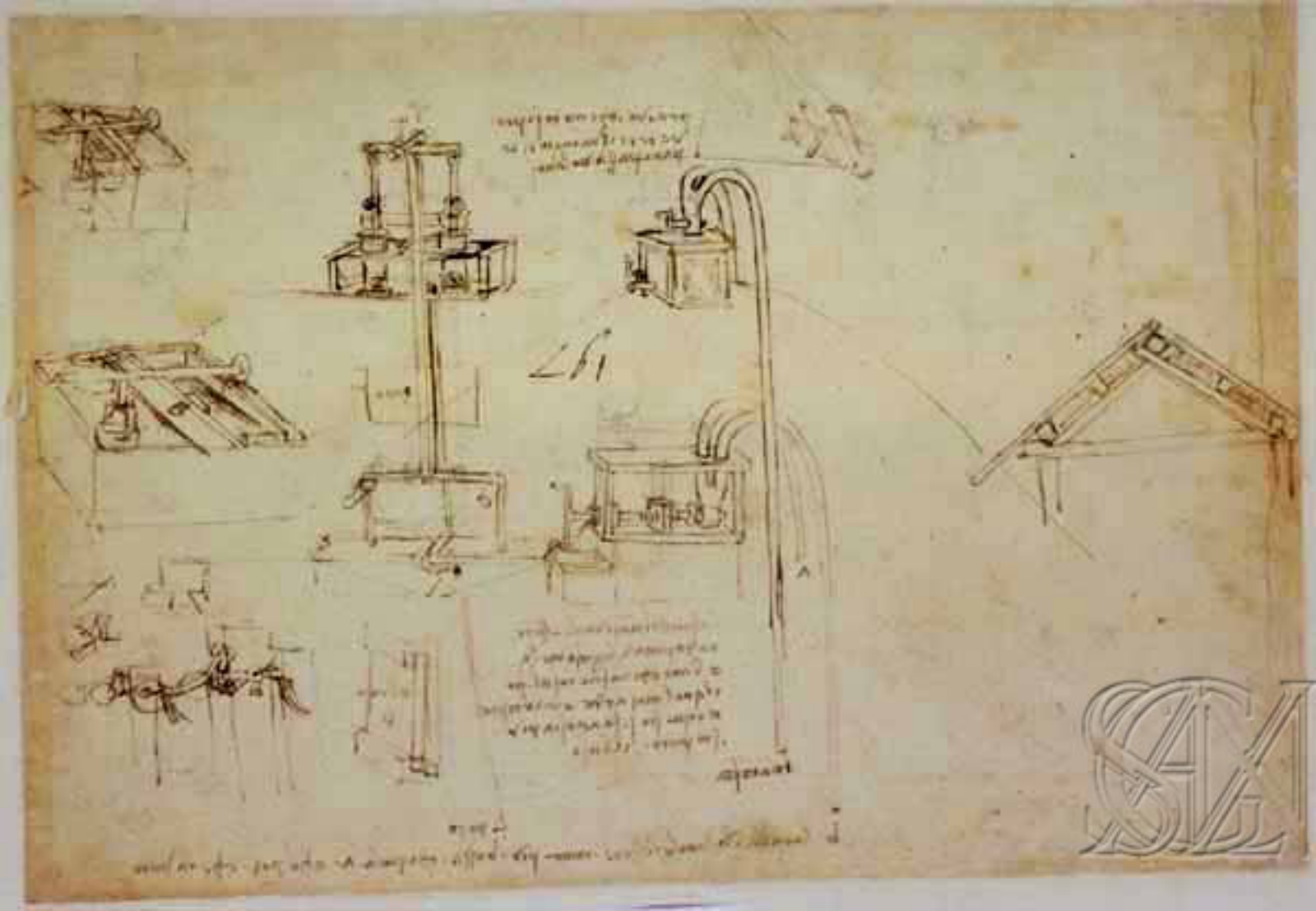

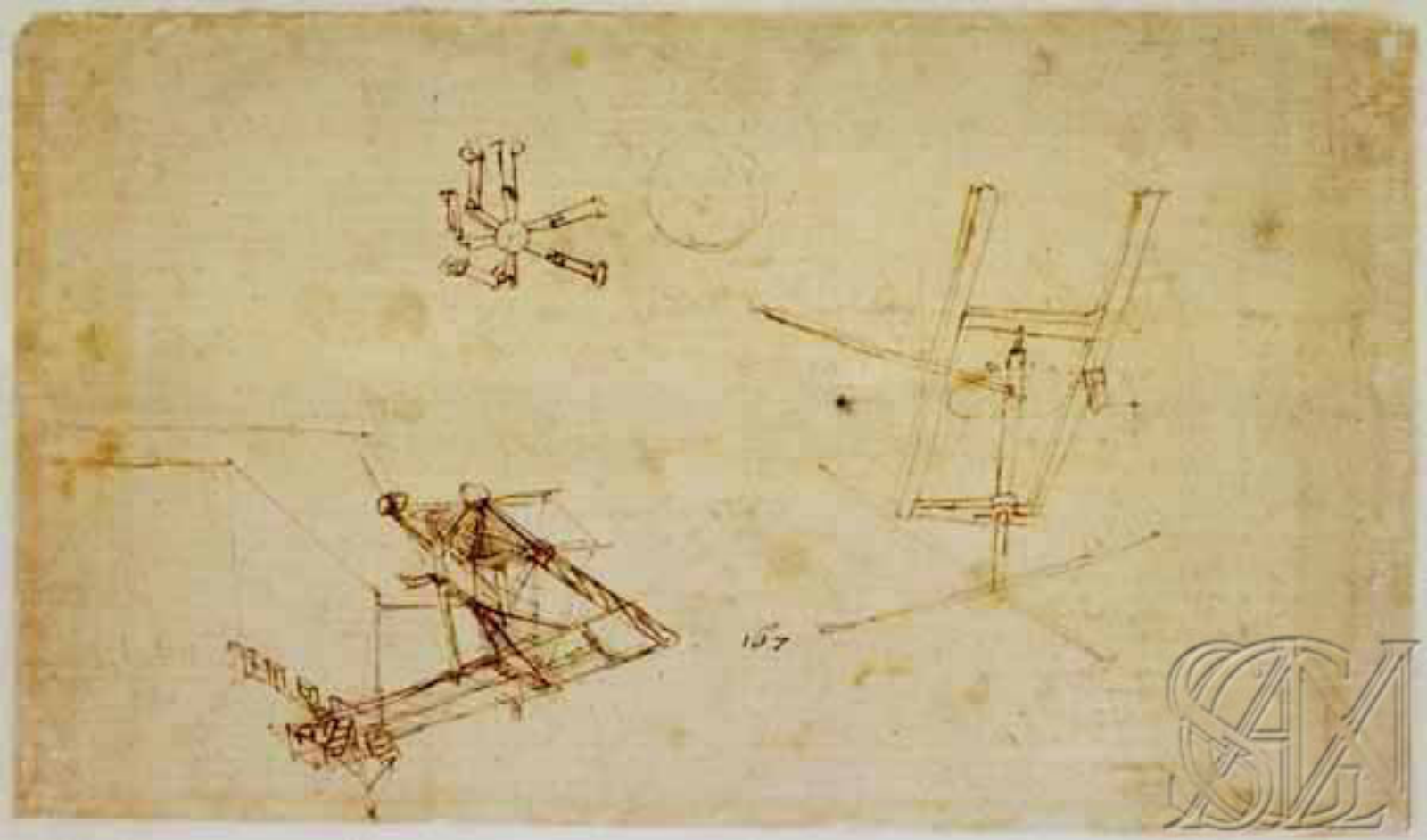
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