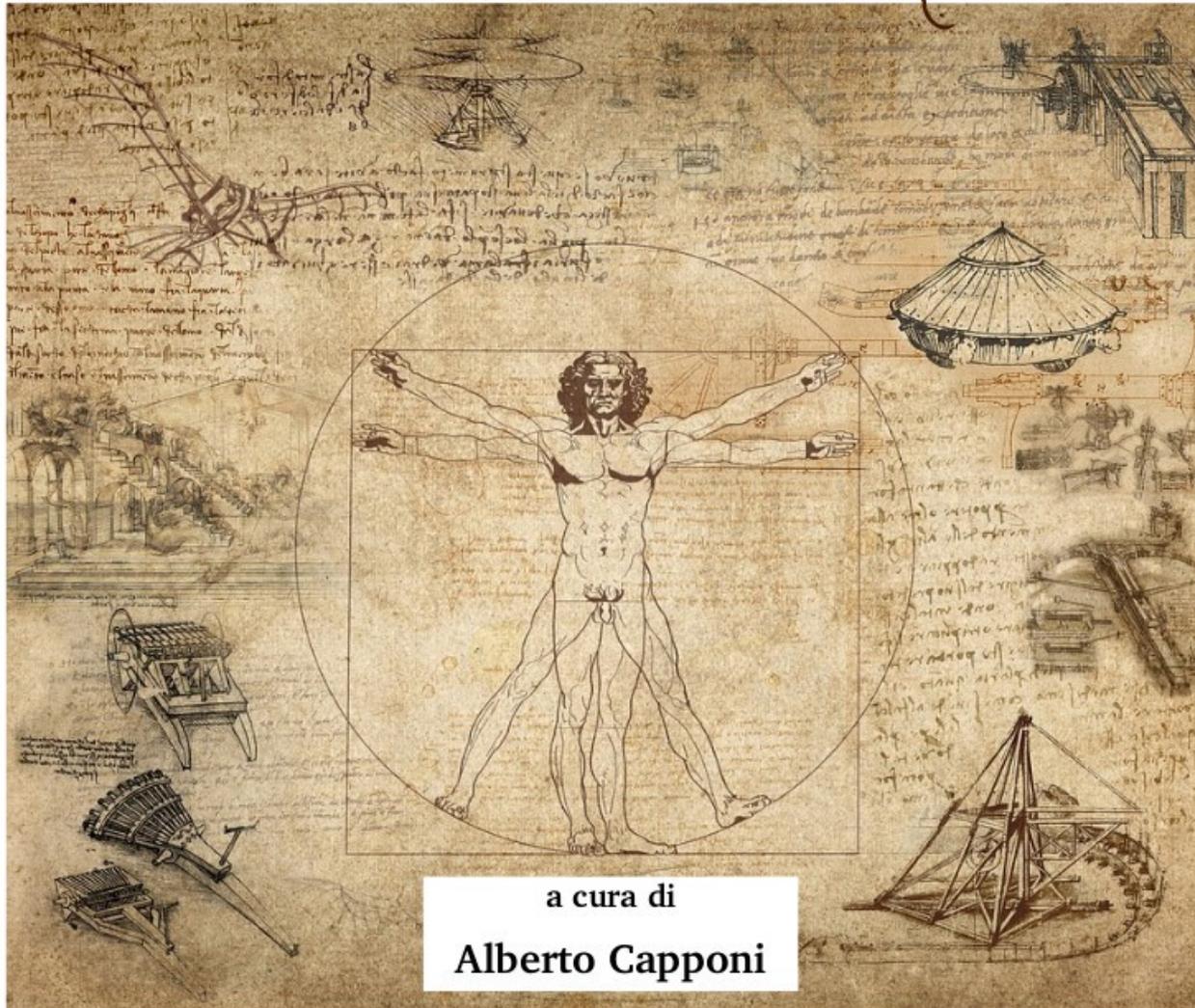


# LEONARDO

## Poliedrico artista e sistemista



a cura di

**Alberto Capponi**

Venerdì 22 Novembre 2019 - ore 20,45

Sala Polifunzionale RSA Bellani

Via Lipari 7 – MONZA



**IN COLLABORAZIONE CON  
FONDAZIONE DON  
ANGELO BELLANI – ONLUS**

# Leonardo da Vinci (1452–1519)

era un **polimath**  
italiano.

greco:

πολυμαθής, polymathēs,  
"aver imparato molto";

latino: homo universalis,  
"uomo universale"



# Raffaello Sanzio - La Scuola di Atene ( - Musei vaticani)



Ne “la Scuola di Atene” di Raffaello

Leonardo impersona  
Platone

in compagnia di Aristotele  
(**Bastiano da Sangallo**)  
**Bramante** raffigurato come  
Euclide (o Archimede),  
**Baldassarre Castiglione**  
come Zoroastro,  
**Michelangelo** raffigurato  
come Eraclito,  
**Raffaello** in autoritratto



Leonardo da  
Vinci

Giuseppe  
Macpherson

(Firenze 1726-  
c. 1780)

**1770-80**

Watercolour  
on ivory

6.5 x 5.1 cm



RCIN 421173





View of the Bay of Naples  
from the Castle of St. Elmo





52

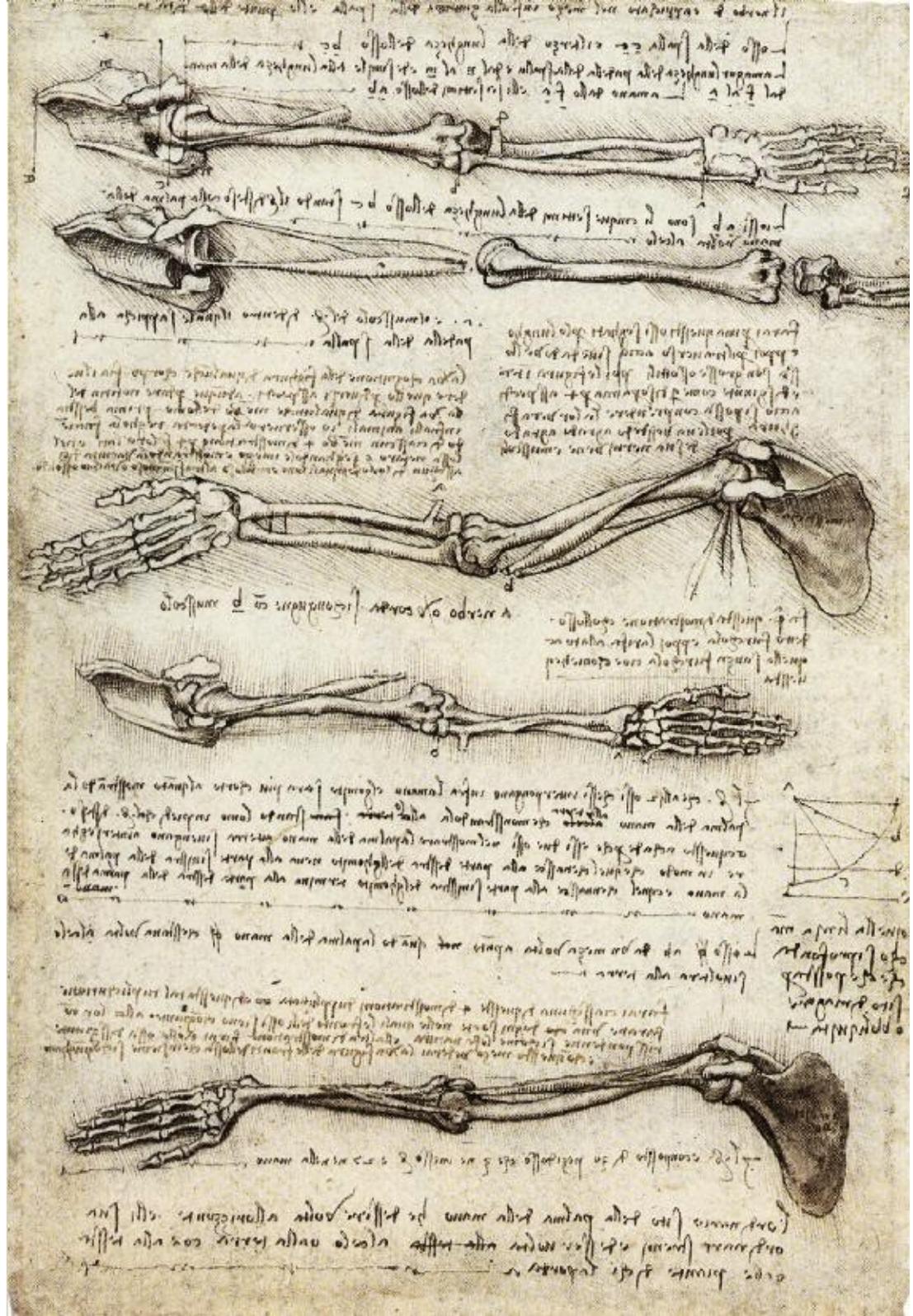
Handwritten text in a cursive script, likely a Latin inscription or a list of notes. The text is written in dark ink and is somewhat difficult to decipher due to the cursive style and some fading. It appears to be a list of items or a set of instructions, possibly related to the sketches on the right.



Oggi la chiameremo

**ANATOMIA**

**BIOMECCANICA**









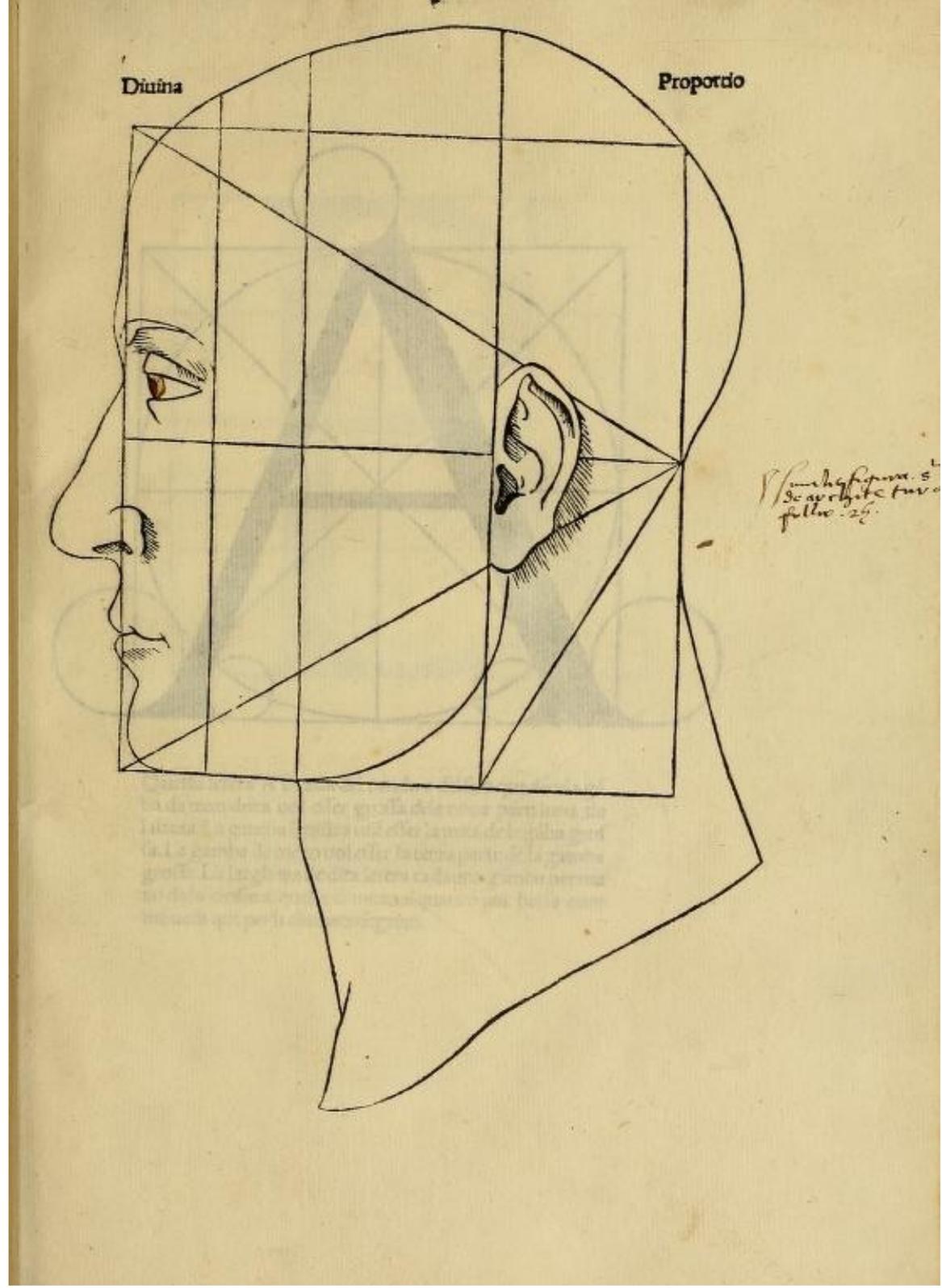
**Divina**

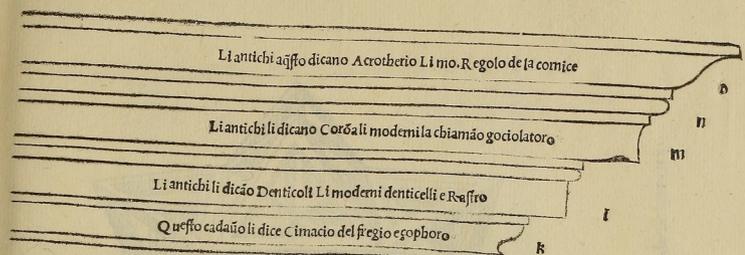
**proportione**

**O**pera a tutti gl'ingegni perspi  
caci e curiosi necessaria **O**ue cia  
scun studioso di **P**hilosophia:  
**P**rospectiva **P**ictura **S**culptu  
ra: **A**rchitectura: **M**usica: e  
altre **M**athematiche: sua  
uissima: sottile: e ad  
mirabile doctrina  
consequira: e de  
lectarassi: cova  
rie questione  
de secretissi  
ma scien  
tia.

M. Antonio Capella er uditiss. recensente:  
A. Paganus Paganinus Characteri  
bus elegantissimis accuratissi  
me imprimebat.

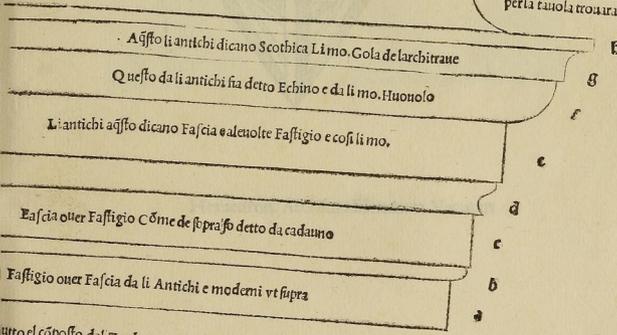
Uomo  
espressione  
della legge  
divina e  
naturale



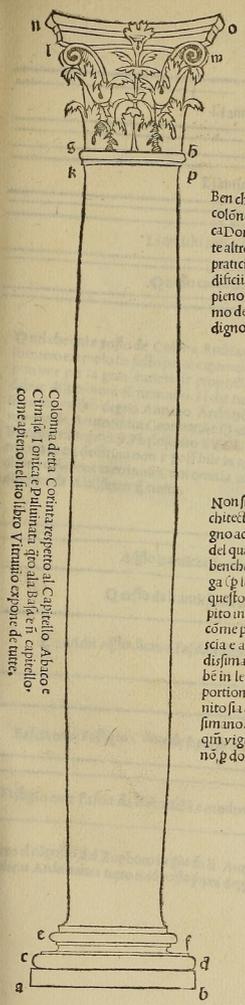


Q̃uel che qui e posto de Colóna Architrave e Cornicione solo accento de lo intero exemplo ha fatto per che apieno di loro non si po imbreue dime maxime per la gran varietà de proportioni e proportionalita che in sue debite disposizioni se ricercano. Il che tutto elende chiaro el sublime volume del nostro degno Anticho Architecto Vitruuio Politione. Doue bẽ monito de Arithmetica Geometria e Quinto del peripicaci fino nostro Platõico e Megarense Phyllosofho EVCLID Et al tutto L. effore terrenet to jnca la cui doctrina non e possibile in agibilibus Prathice ff Theorice alcuna cosa bene exercitarse Cum omnia in Numero Pondere ff mensura di j possicrit Altissimus ff cetera.

In la seq̃ete figura de la Porta detta Speciosa le doi parti qui aduete Cioe de la Colóna rotonda cõ suo capitulo Basa Stilobata ff Stcriobata Epistilio cam suo Zophoro e Cornicione mtrando certo Le ffore che alintellecto d. bi tamente l'occhio del tuo peregrino i gego lo representata cõ li recordi che di sotto per la tavola trouarai ff.

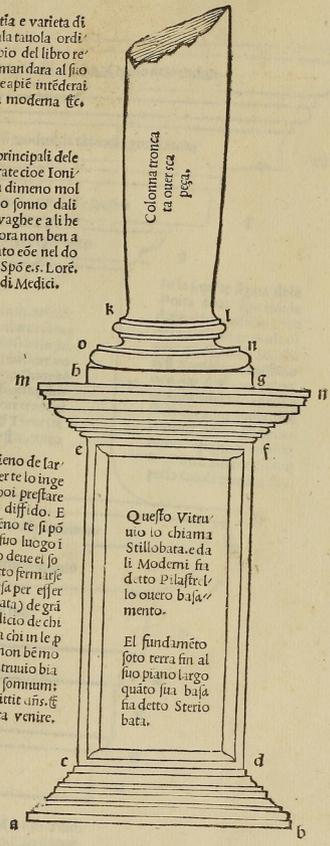


tutto el cõposto dal Zophoro in giu da li Antichi sia detto Epistilio e da li mo. dcmi Architrave e tutto el cõposto sopra de sopra li. A. cornice e mo. Cornicione.



Per la sportantia e varietà di questi nomi ala tavola ordinata nel principio del libro re corri e q̃lla te mandata al suo capitulo. Doue apie m̃derai lor dria antica moderna ff.

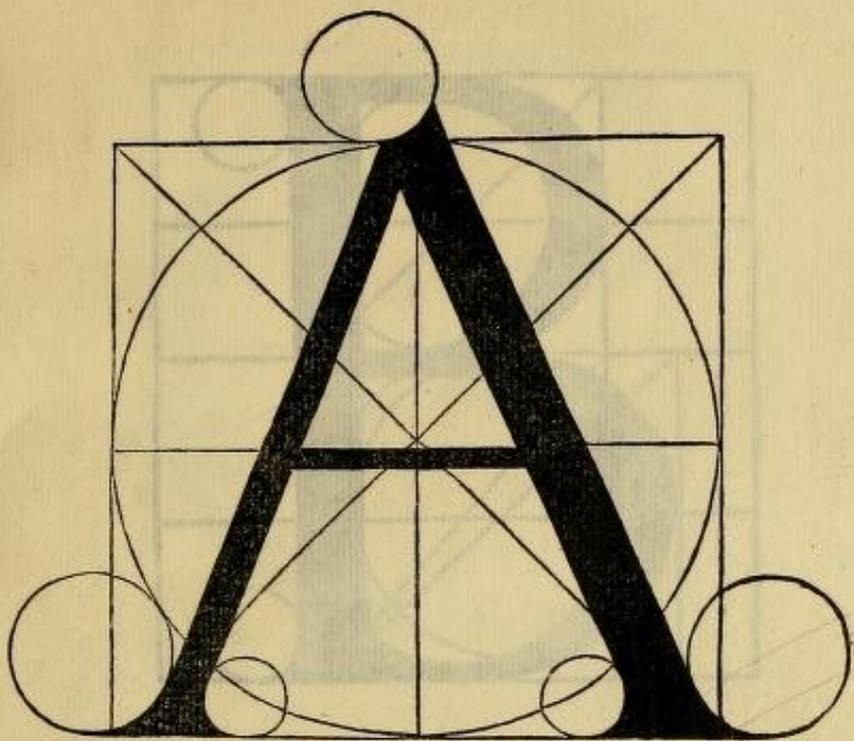
Ben che treseno le sorti principali de le colóna dali antichi celebrate cioe Ionici Dorica e Corinthia. Non dimeno molte altre piu oltra speculado sonno dali pratici trouate alochio vaghe e ali be dicitati bastanti ale q̃ti ancora non ben a pieno sia el nome affegato ede nel do mo de Pisa e in Firrege. S. Spõ e s. Lorẽ. digno pronato de la casa di Medici.



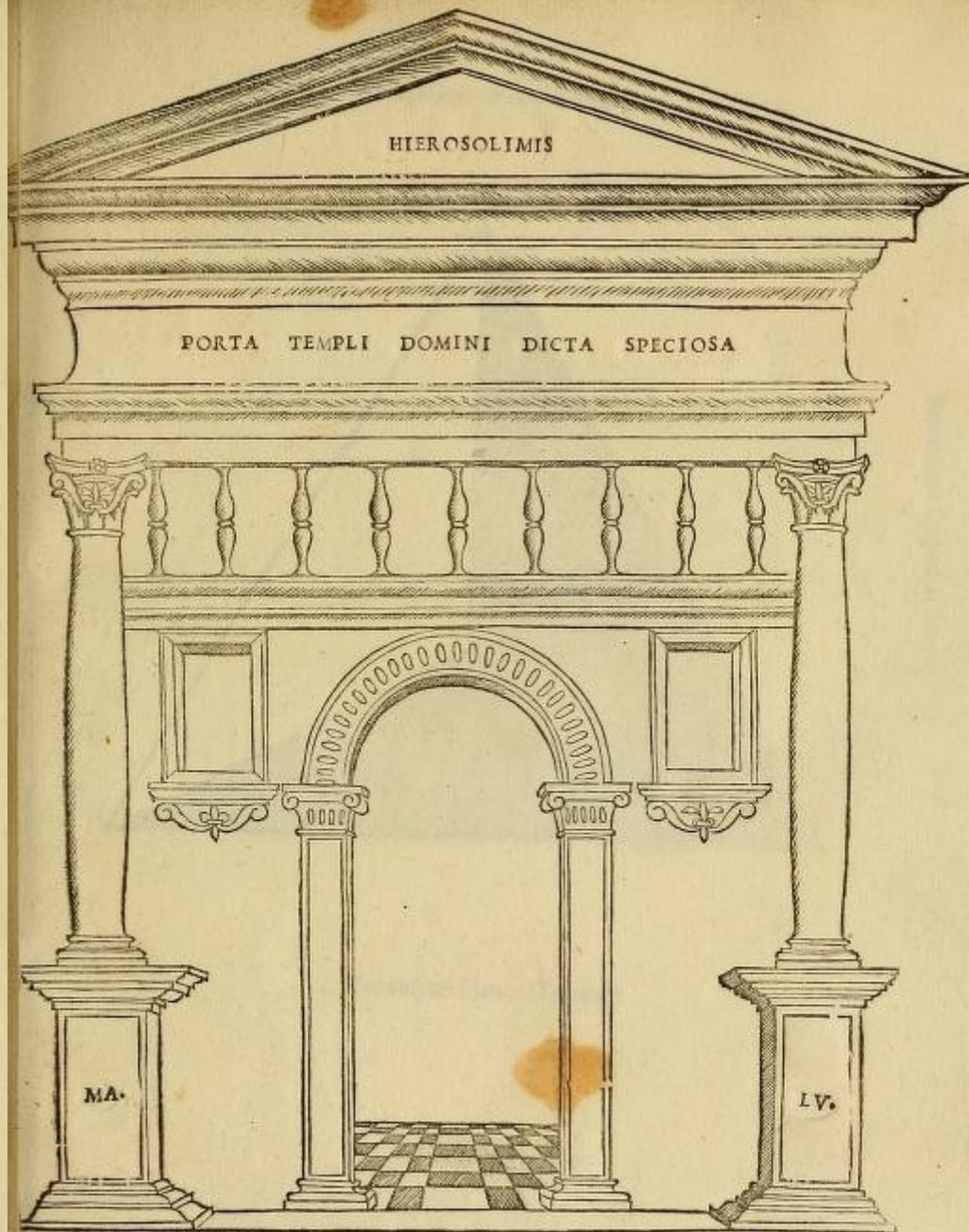
Non si po qui lettore a pieno de larchitettura p̃riare come per te lo ingegno accomodatisimo li poi prestare del qual in nua aparte me diffido. E benchẽ qui sol dep̃a vn cino te si p̃oga p̃ le ragioni di sotto a suo luogo i questo adiacete non pero deue el jo p̃to ingegno in qllo al tutto fermarse come puo dme non si possa per esser scia e arte q̃m̃ subalternata de gra distima p̃sentatione al iudicio de chi bẽ in let expto si troua. Ma chi in le p portioni e p̃portionalita non bẽ m̃o nito fia a torto el nostro Vitruuio biasimmo. Ideo lector escute somnum: q̃m̃ vigilatibus coronã p̃mittit uis. ff nõ p̃ dormire poteris ad alta venire.

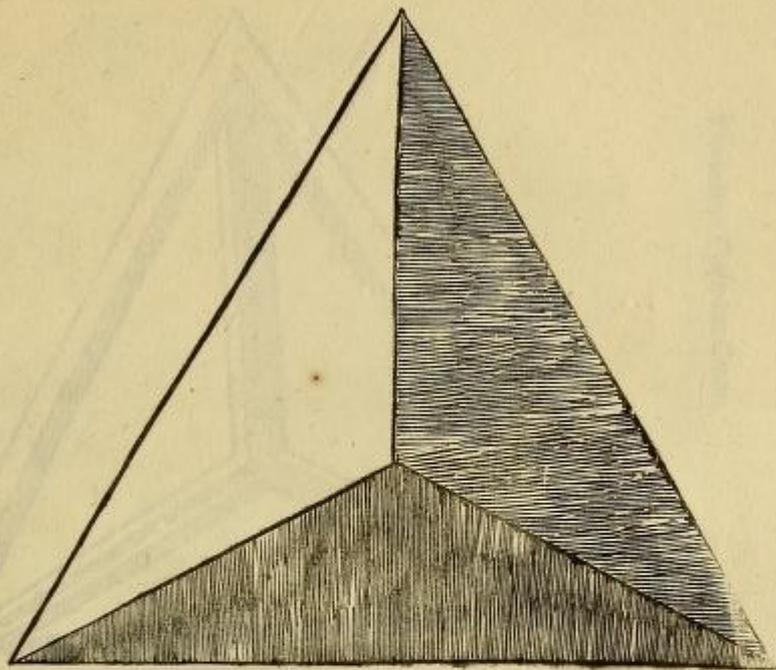
Questo Vitruuio lo chiama Stilobata e da li Moderni fia detto Plafix. Ulo ouero basamento.

El fundamẽto foto terra fin al suo piano largo quatro sua basa fia detto Sterio bati.



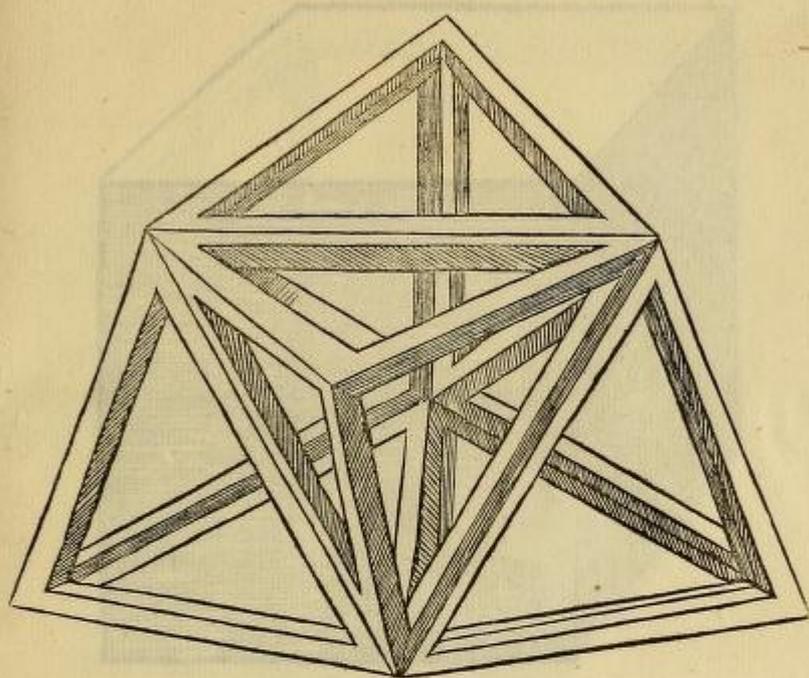
Questa lettera A sicua del tondo e del suo quadro: la gamba da man drita uol esser grossa dele noue parti luna de l'alteza. La gamba sinistra uol esser la mita de la gamba grossa. La gamba de mezo uol esser la terza parte de la gamba grossa. La largheza de dita lettera cadauna gamba per mezo de la crociera, quella di mezo alquanto piu bassa come uedi qui per li diametri segnati.





Tetraedron Epipedon Stereon

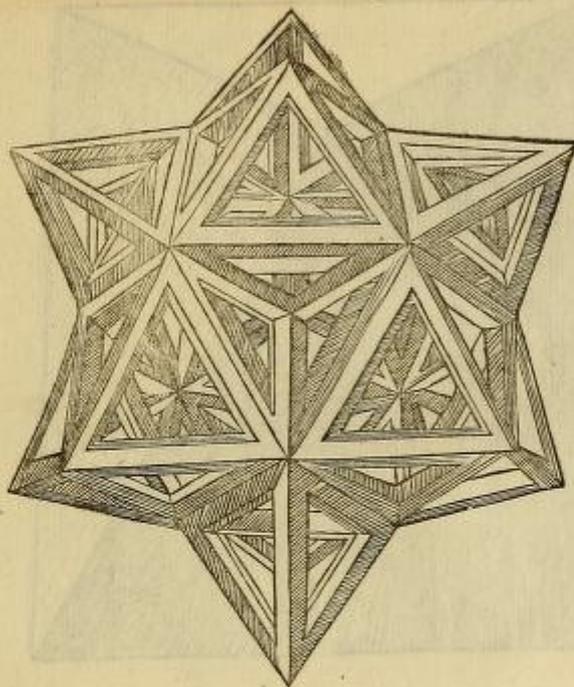
Tetraedron Planum Solidum



Tetraedron epimeron canon

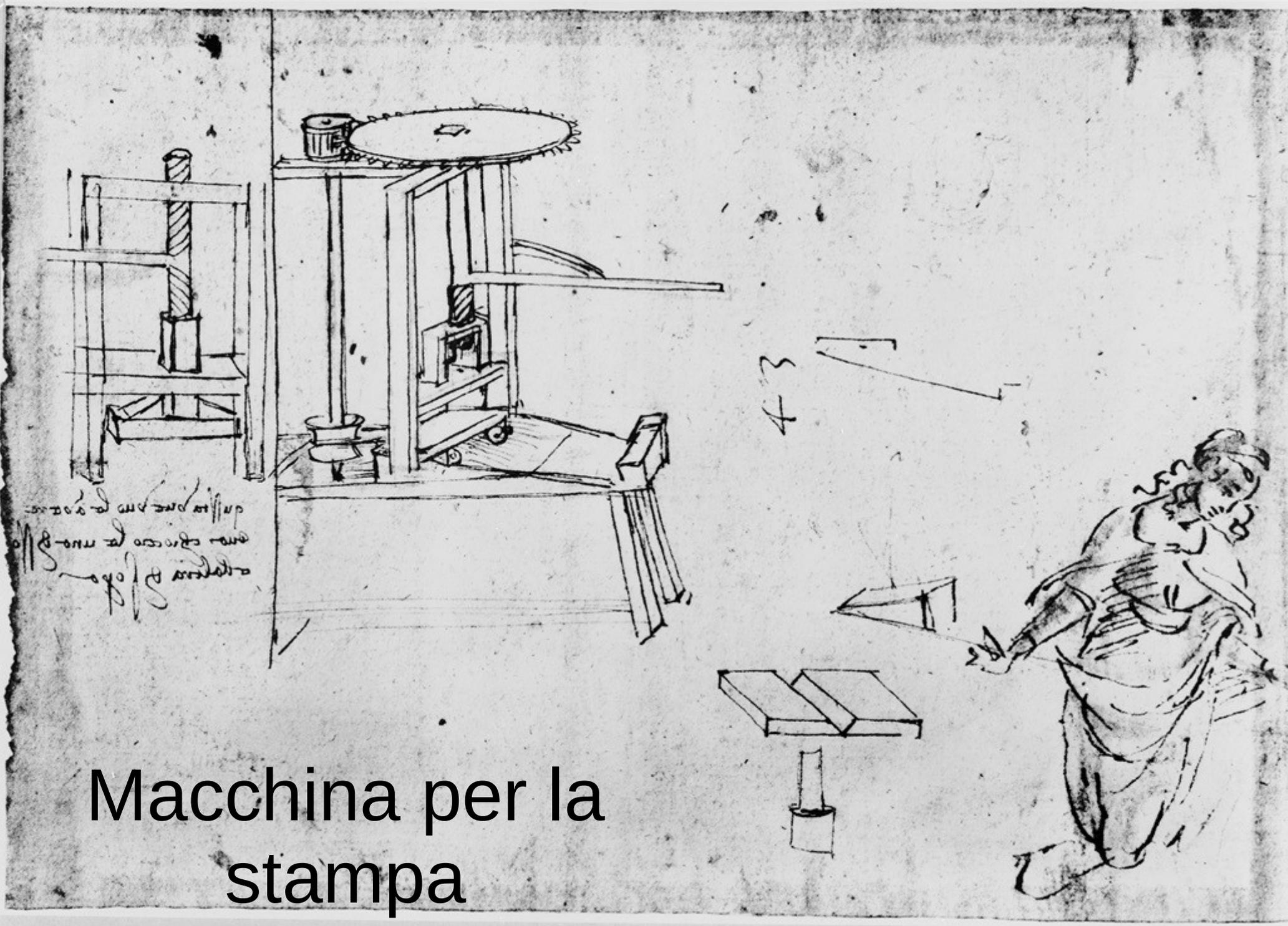
Tetraedron elevatum uacuum

Horum inuentor. Magister Lucas. Paciulus de burgo. Sancti Sepulchri. Ordinis Minorum.

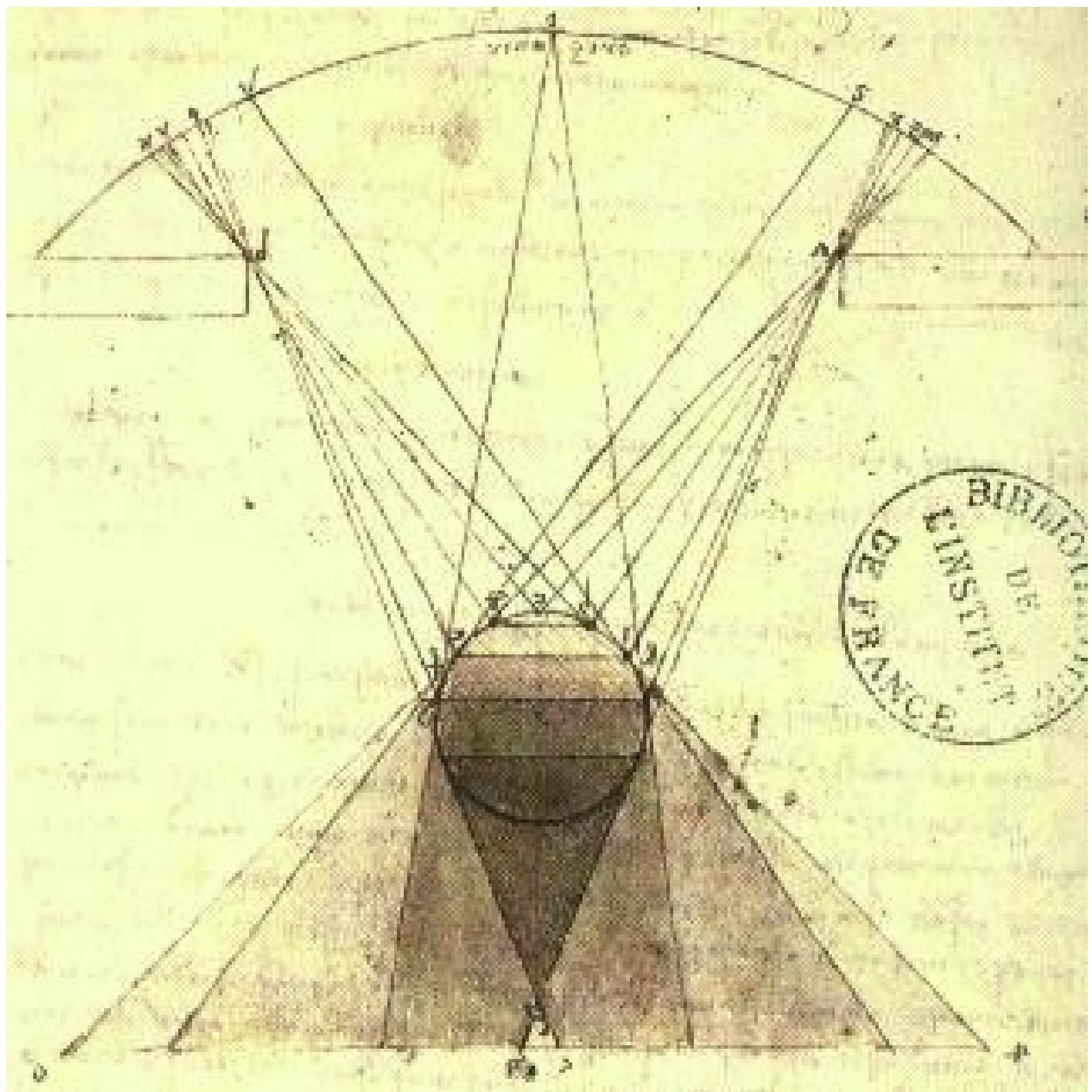


Hexaedron apocritimineton Epitimeton Canon

Hexaedron. Abscisum Elevatum Vacuum



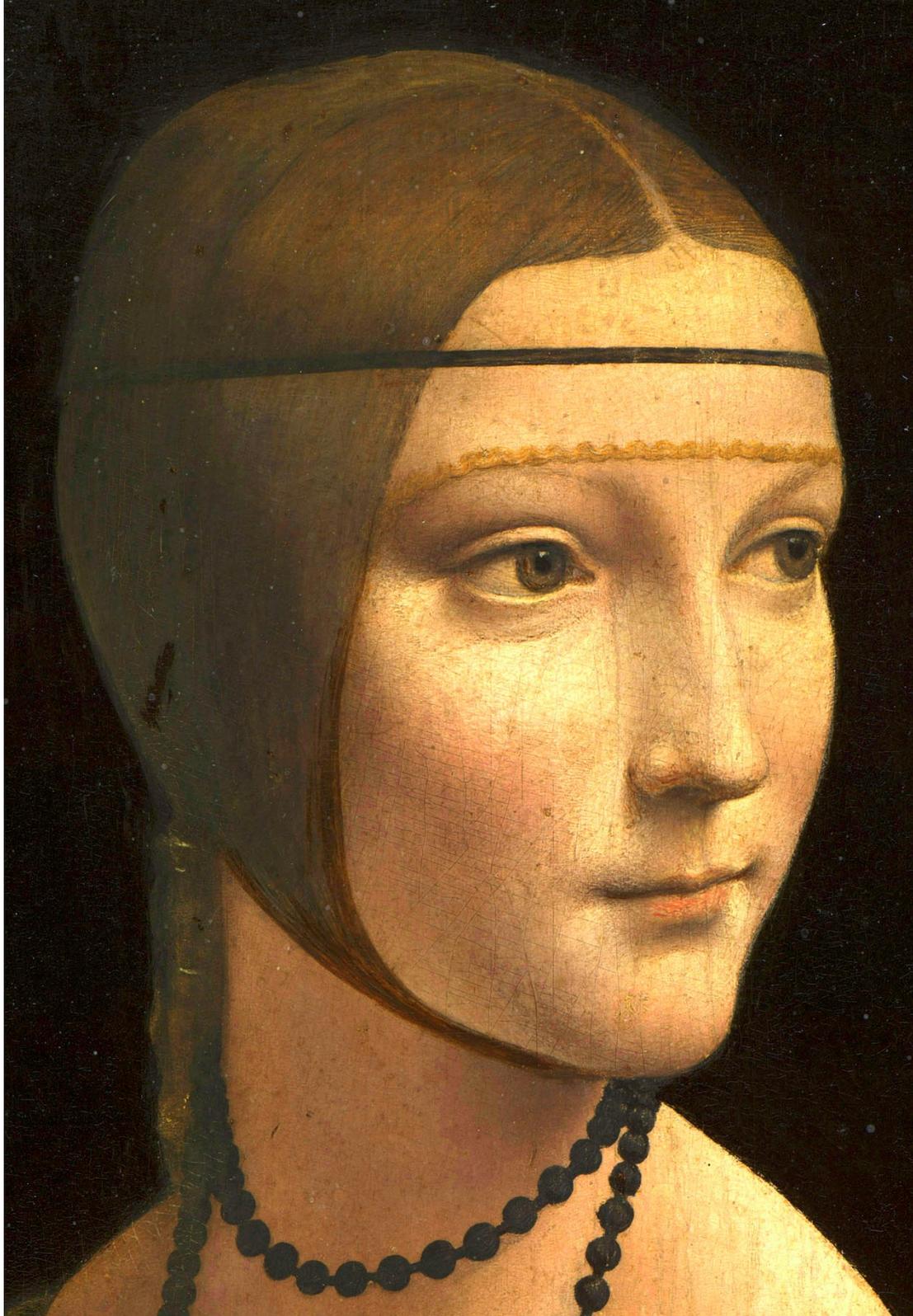
Macchina per la stampa

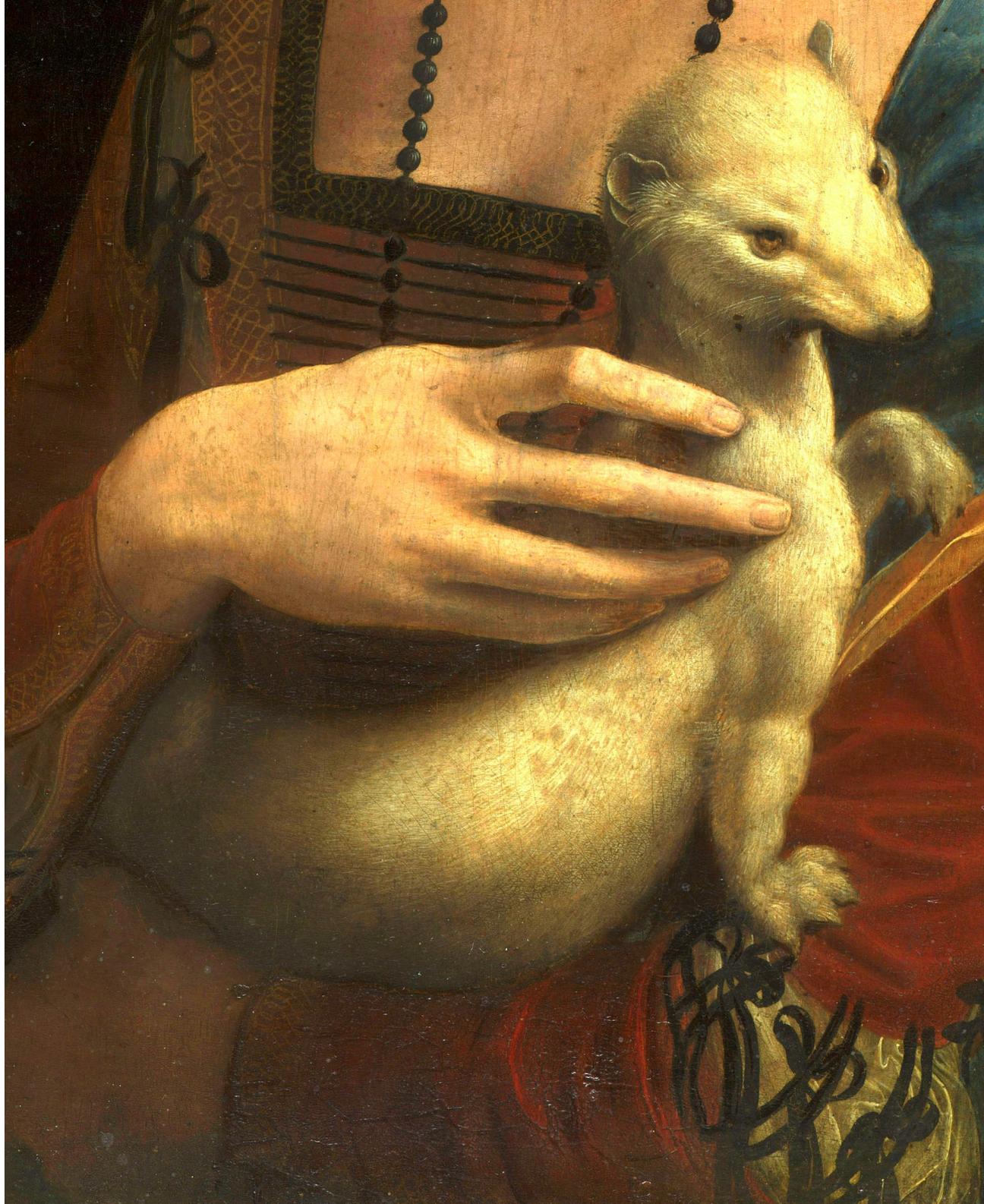


# La Dama con l'ermellino

olio su tavola (54 ×40 cm) di Leonardo da Vinci, databile al 1488-1490. La donna ritratta va quasi sicuramente identificata con Cecilia Gallerani







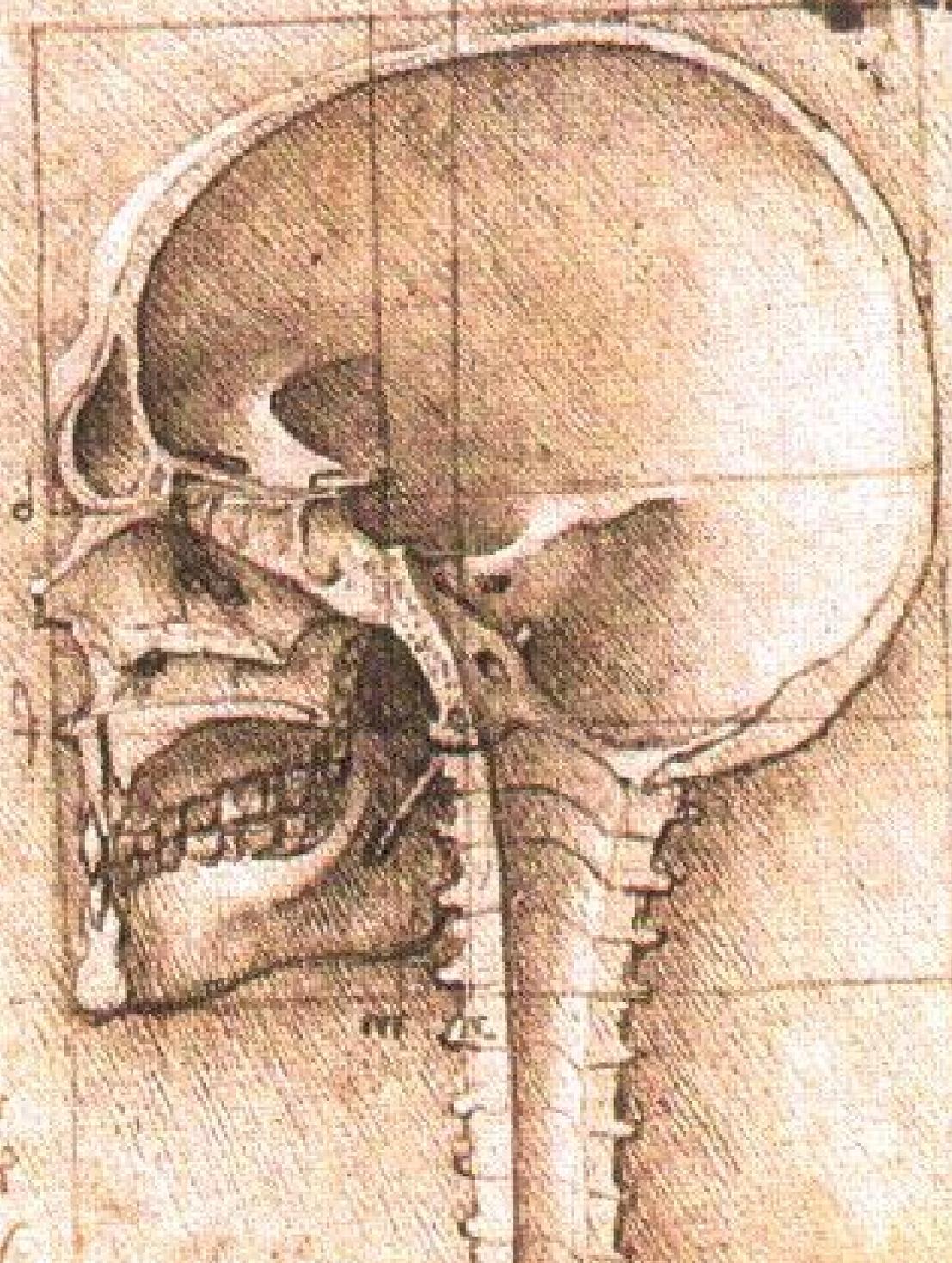


Handwritten text in a cursive script, likely a Latin or Italian manuscript. The text is partially obscured and difficult to decipher, but appears to be a list or series of notes related to the anatomical drawing above.





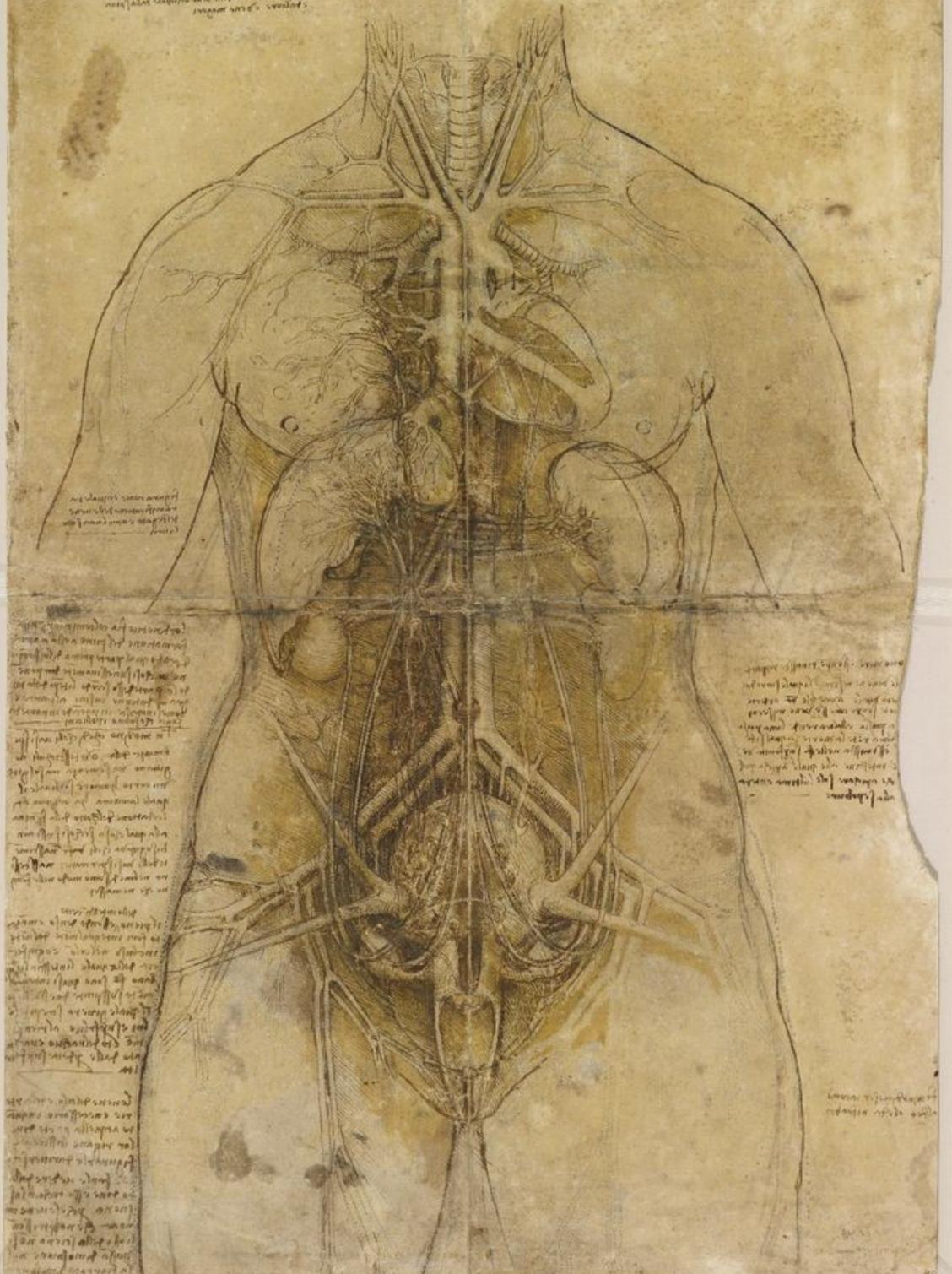
Handwritten text in a cursive script, likely Latin or Italian, located in the upper left corner of the page. The text is partially obscured and difficult to decipher.



Handwritten text, possibly a signature or a reference number, located at the bottom center of the drawing. The text is small and difficult to read.

Handwritten text in a cursive script, likely Latin or Italian, located in the lower left corner of the page. The text is partially obscured and difficult to decipher.

und die Arterien vertheilt in die  
rechts und links in die Arterien  
von unten nach oben in die  
rechts und links in die Arterien  
von unten nach oben in die



Die Arterien sind  
rechts und links in die  
von unten nach oben in die

Die Venen sind  
rechts und links in die  
von unten nach oben in die

Die Nerven sind  
rechts und links in die  
von unten nach oben in die

Die Muskeln sind  
rechts und links in die  
von unten nach oben in die

Die Arterien sind  
rechts und links in die  
von unten nach oben in die

Die Venen sind  
rechts und links in die  
von unten nach oben in die

Handwritten text in Hebrew script, likely a medical treatise or anatomical notes, surrounding the illustrations.



Handwritten text in Hebrew script, likely a medical treatise or anatomical notes, surrounding the illustrations.



Handwritten text in Hebrew script, likely a medical treatise or anatomical notes, surrounding the illustrations.



Handwritten text in Hebrew script, likely a medical treatise or anatomical notes, surrounding the illustrations.

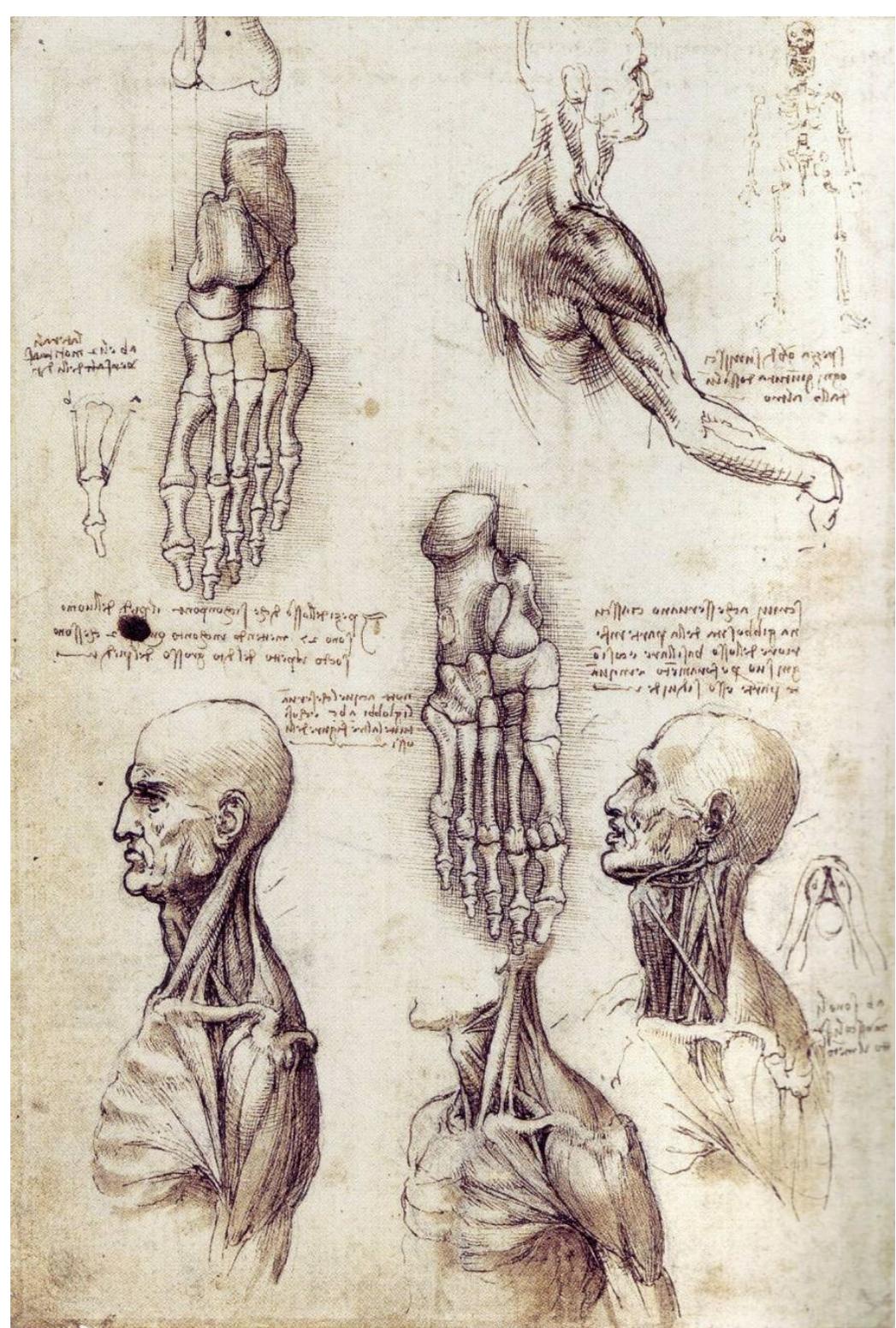
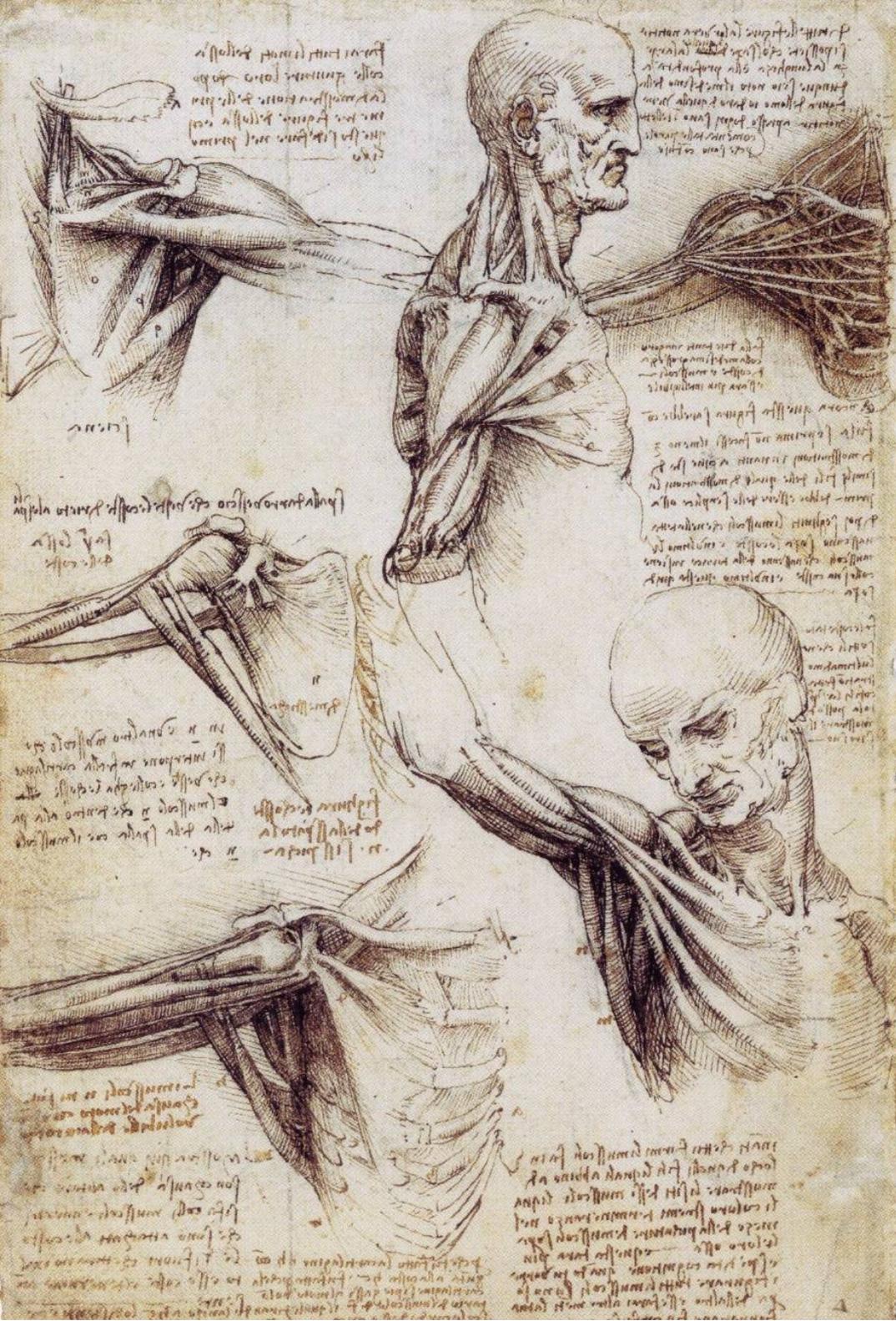


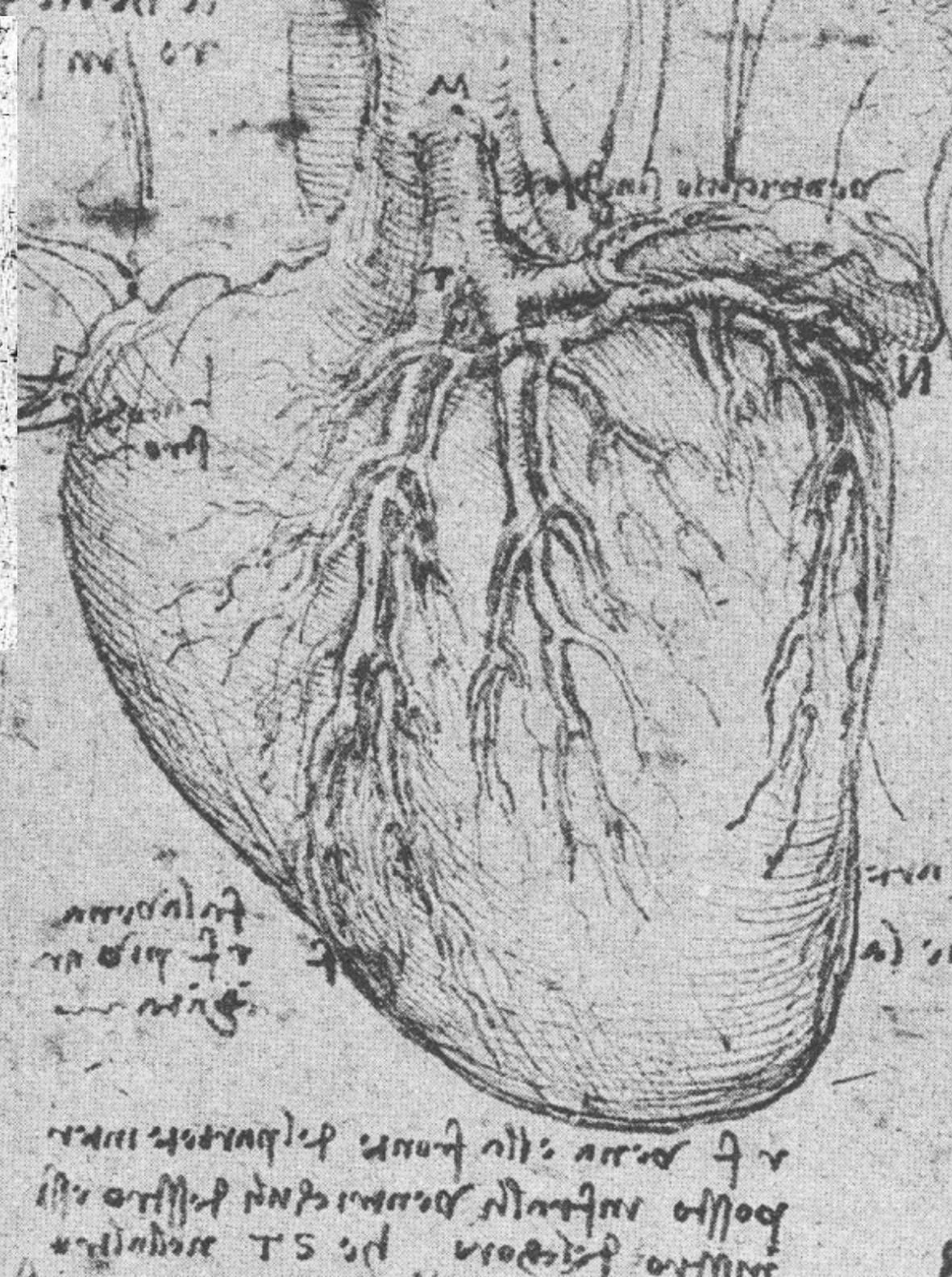
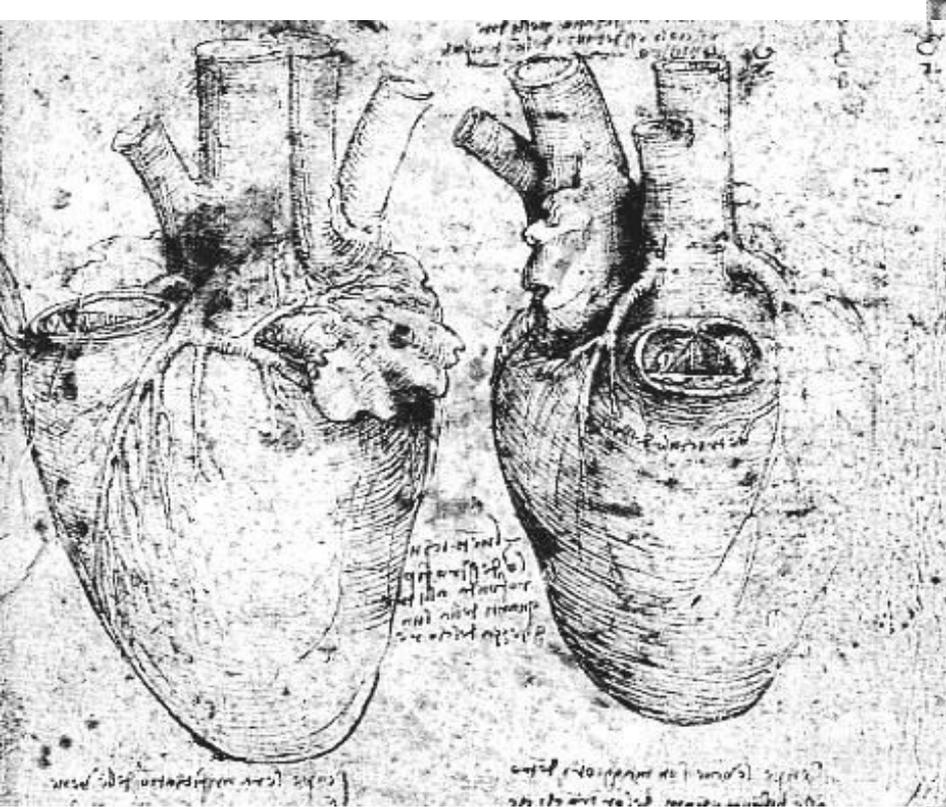
Handwritten text in Hebrew script, likely a medical treatise or anatomical notes, surrounding the illustrations.

Handwritten text in Hebrew script, likely a medical treatise or anatomical notes, surrounding the illustrations.

L'organismo  
umano  
e i suoi sistemi:

Sistema  
muscolo  
scheletrico





Un cuore

La circolazione  
Del sangue



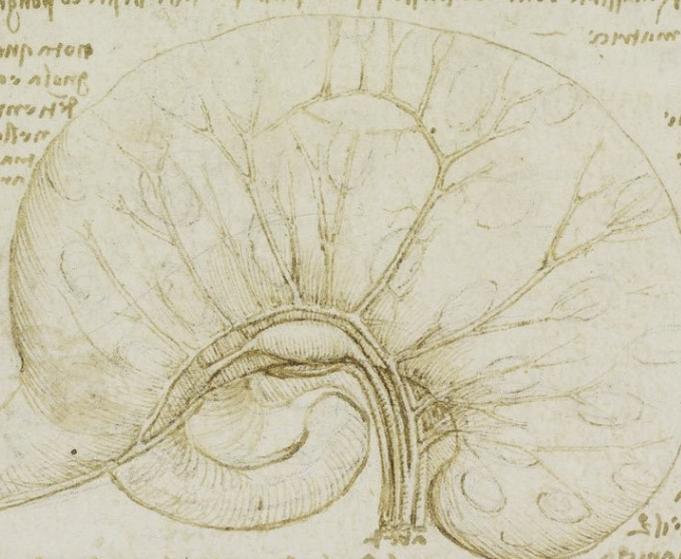
# L'accoppiamento nella riproduzione



הנהגות המצוינות בזה הספר הן אשר נהגו  
בארץ ישראל וכן נהגו בארצות אחרות  
ועל כן נקראו בזה הספר



הנהגות המצוינות בזה הספר הן אשר נהגו  
בארץ ישראל וכן נהגו בארצות אחרות  
ועל כן נקראו בזה הספר



הנהגות המצוינות בזה הספר הן אשר נהגו  
בארץ ישראל וכן נהגו בארצות אחרות  
ועל כן נקראו בזה הספר

הנהגות המצוינות בזה הספר הן אשר נהגו  
בארץ ישראל וכן נהגו בארצות אחרות  
ועל כן נקראו בזה הספר



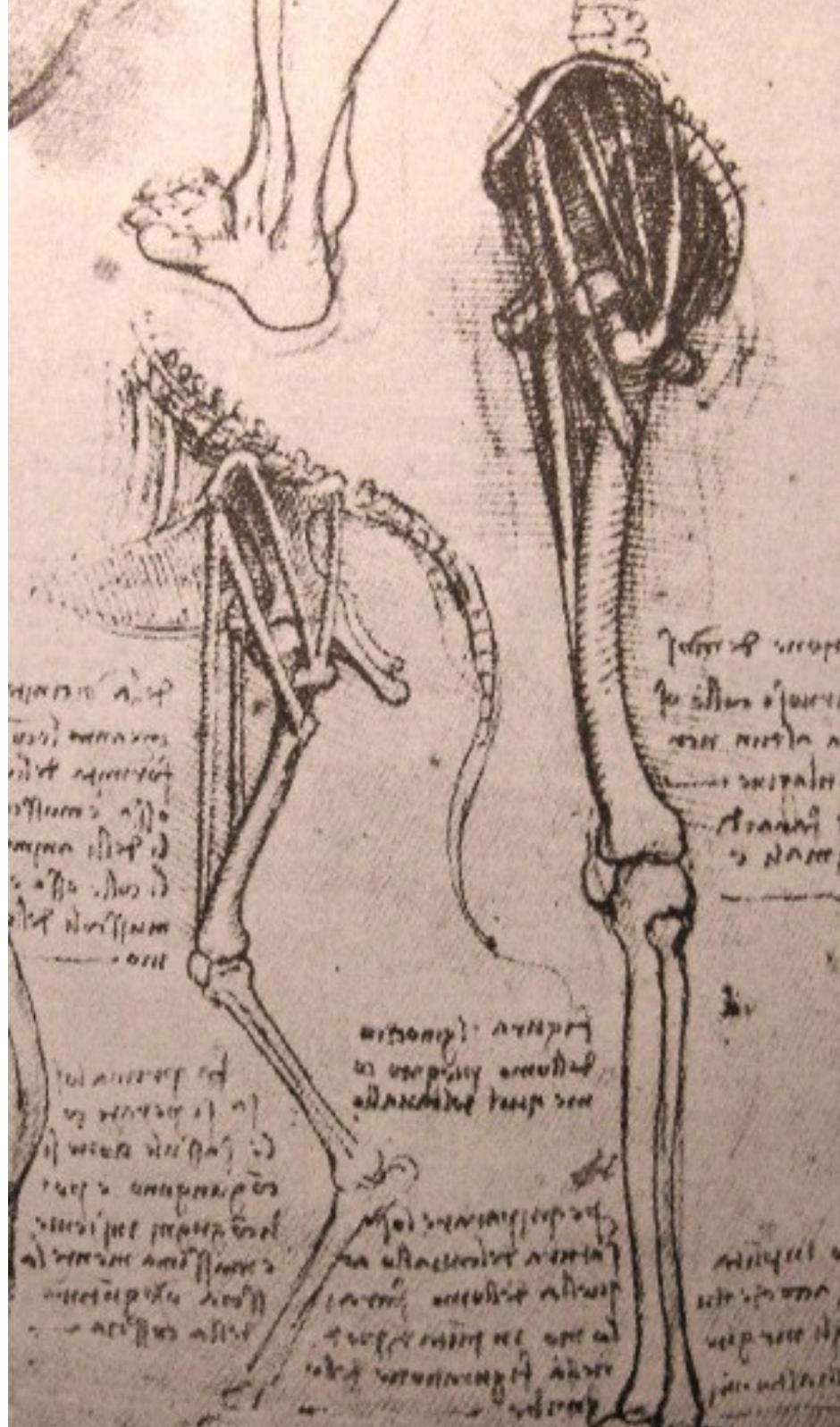
הנהגות המצוינות בזה הספר הן אשר נהגו  
בארץ ישראל וכן נהגו בארצות אחרות  
ועל כן נקראו בזה הספר

הנהגות המצוינות בזה הספר הן אשר נהגו  
בארץ ישראל וכן נהגו בארצות אחרות  
ועל כן נקראו בזה הספר

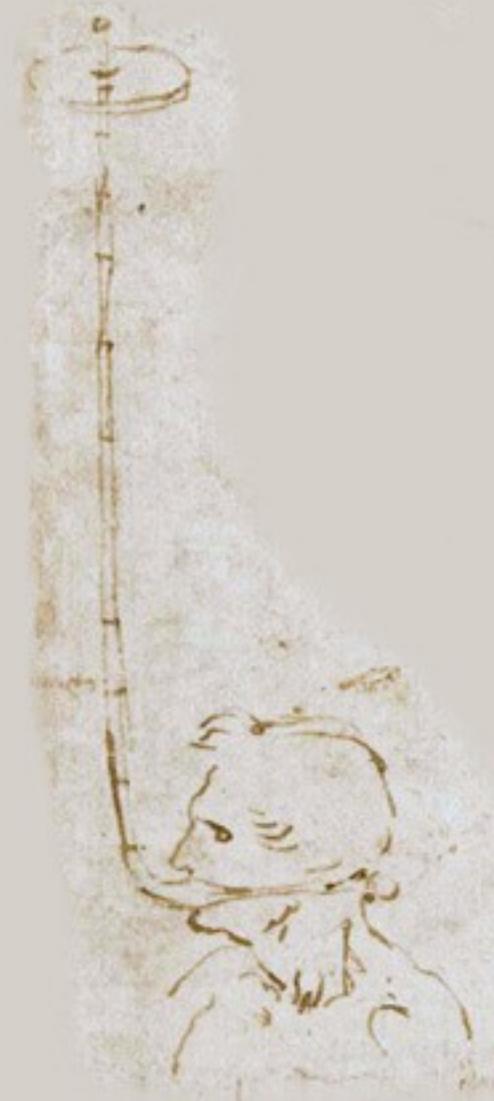
הנהגות המצוינות בזה הספר הן אשר נהגו  
בארץ ישראל וכן נהגו בארצות אחרות  
ועל כן נקראו בזה הספר

# ANATOMIA COMPARATA

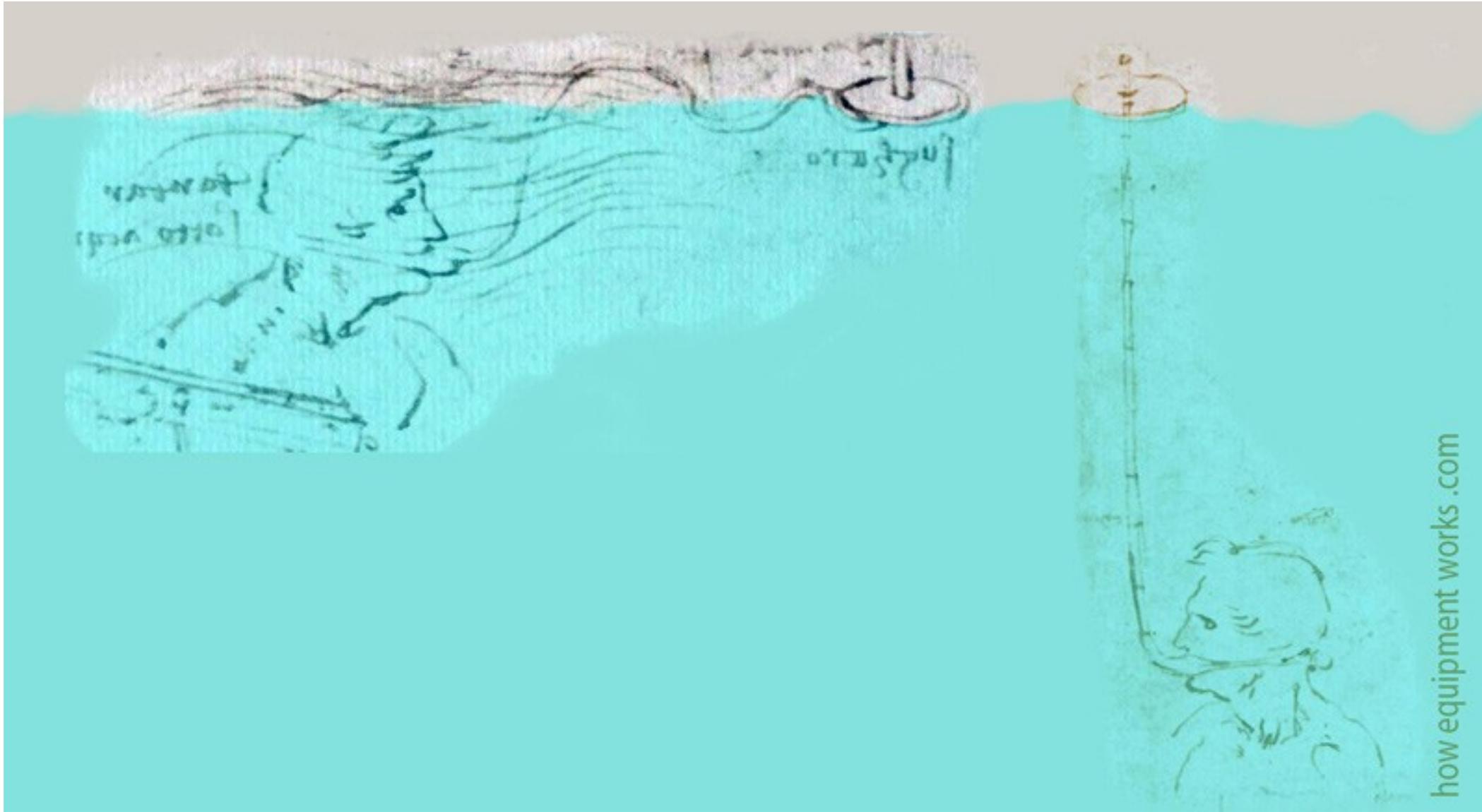
Uomo  
Vs  
cane



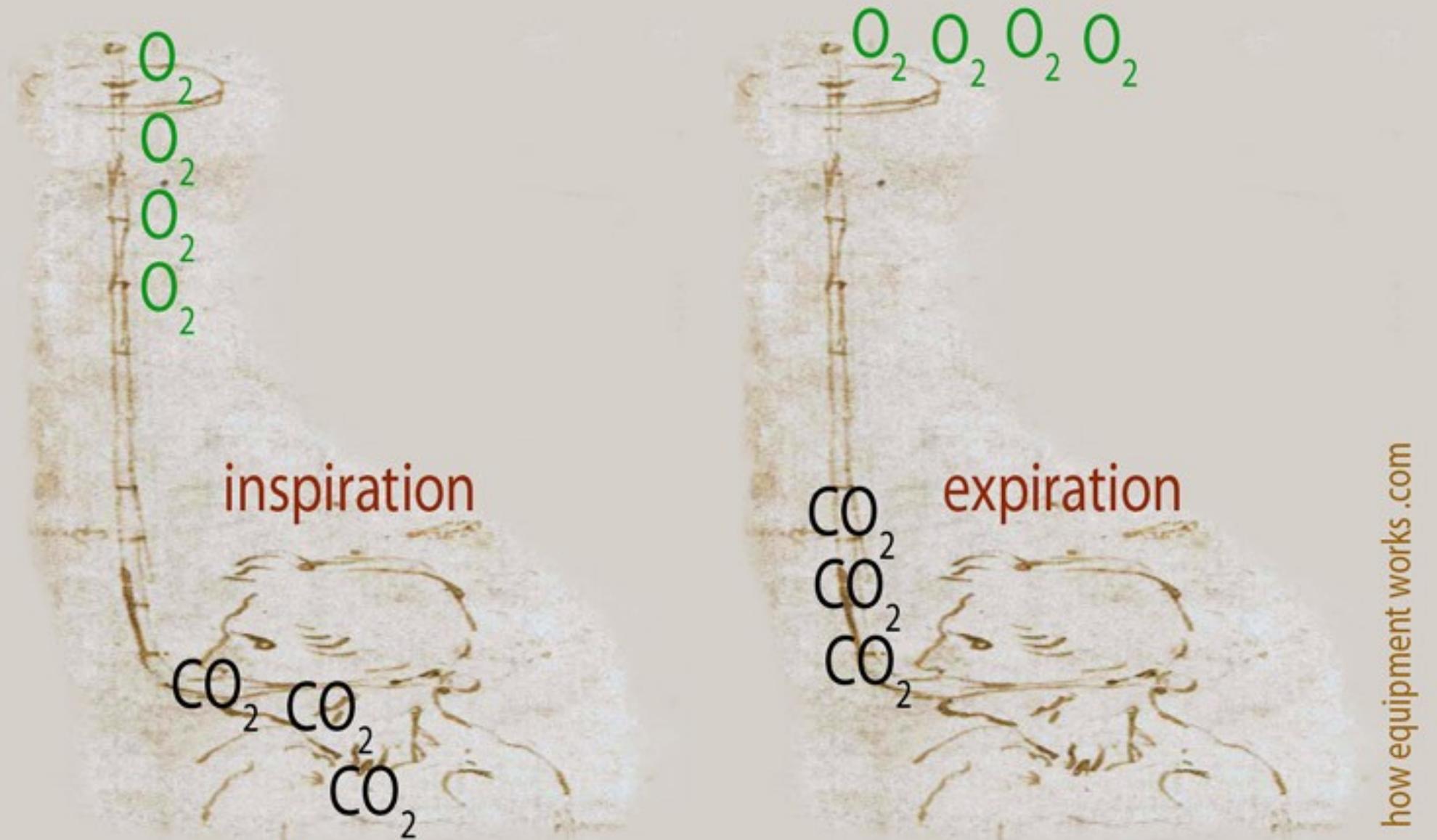
# La respirazione – anche sott'acqua!



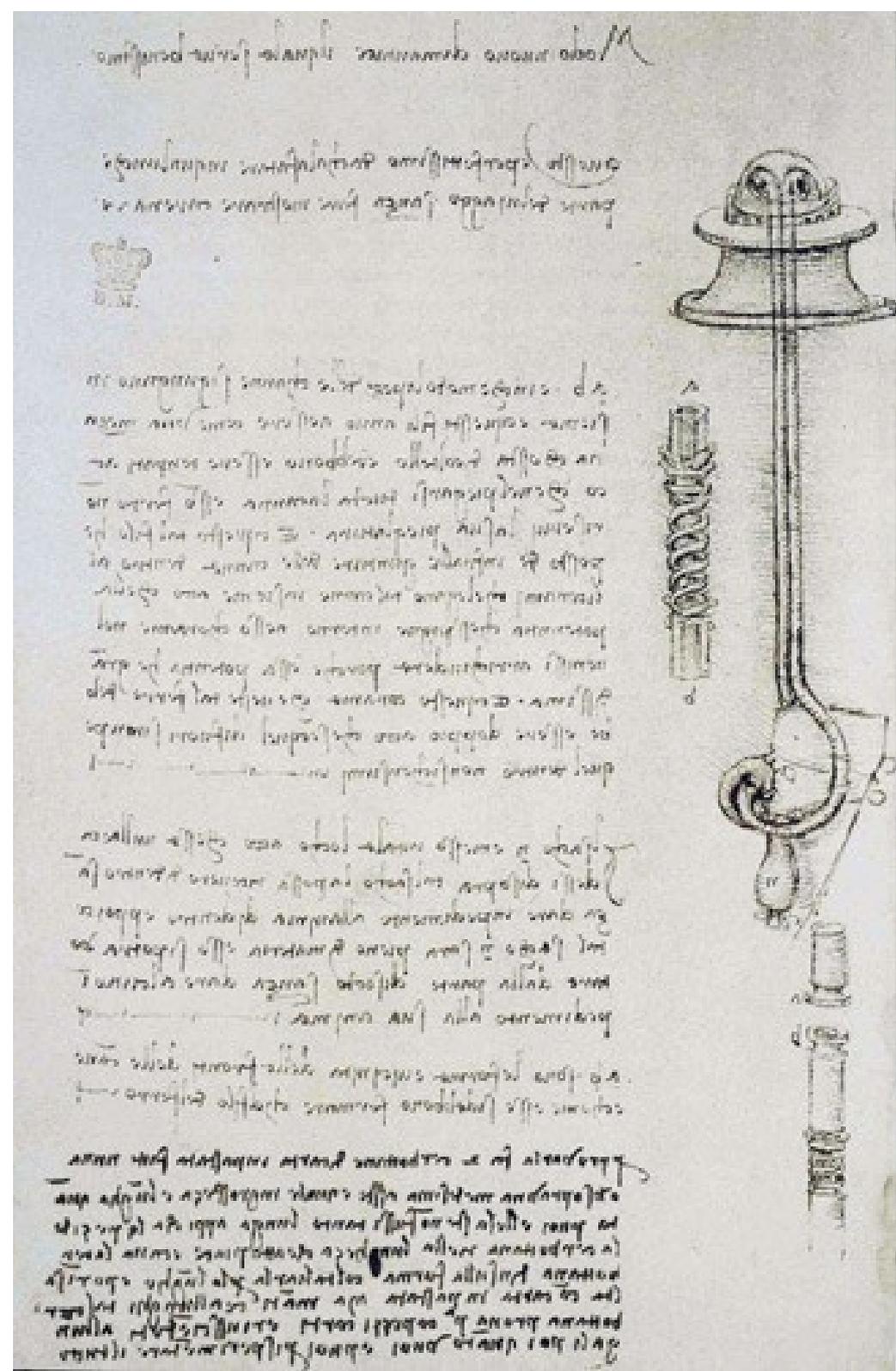
# Attività subacquea – civile e militare



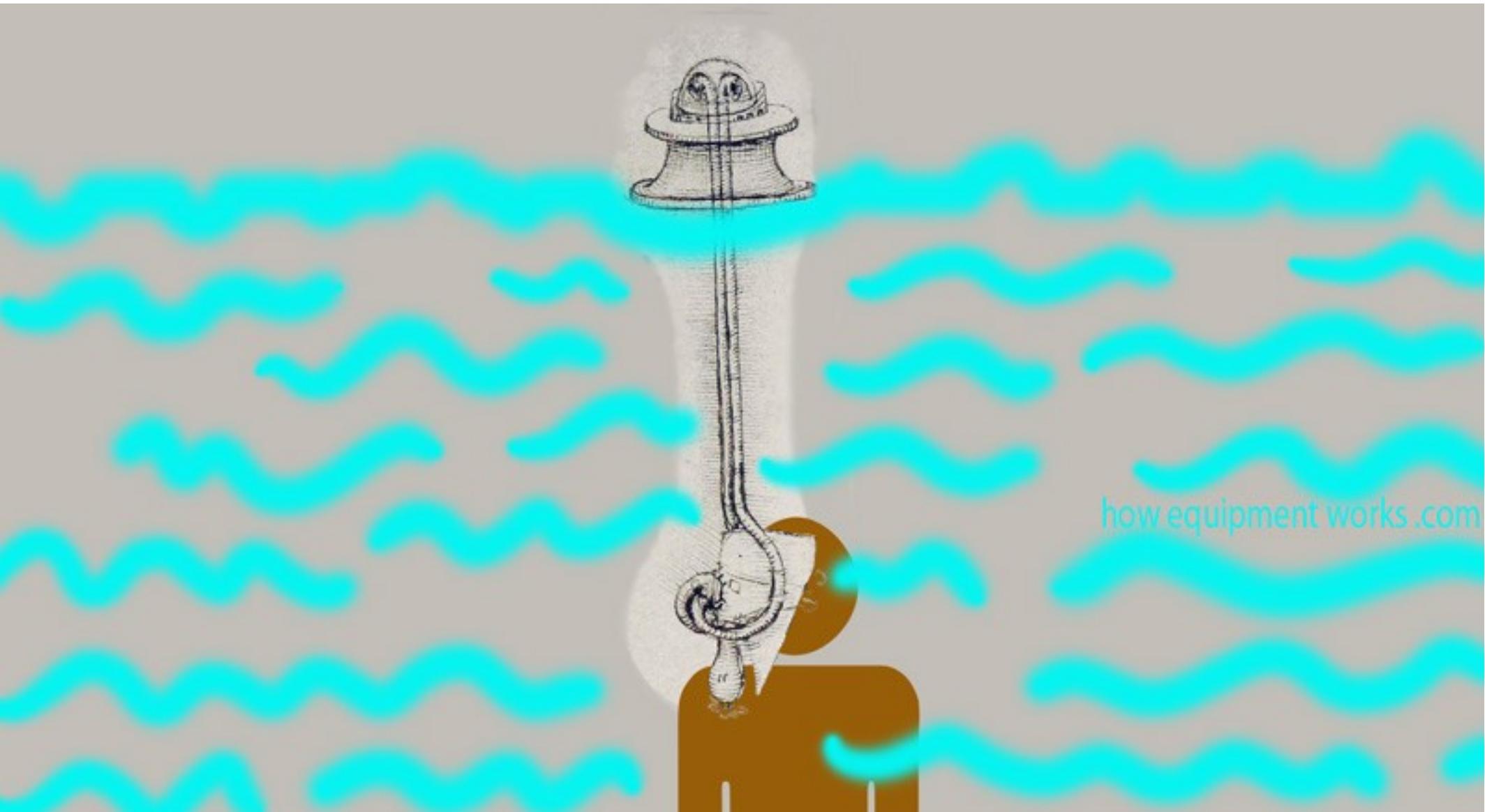
# Quindi meritevole di studi approfonditi e anche segreti



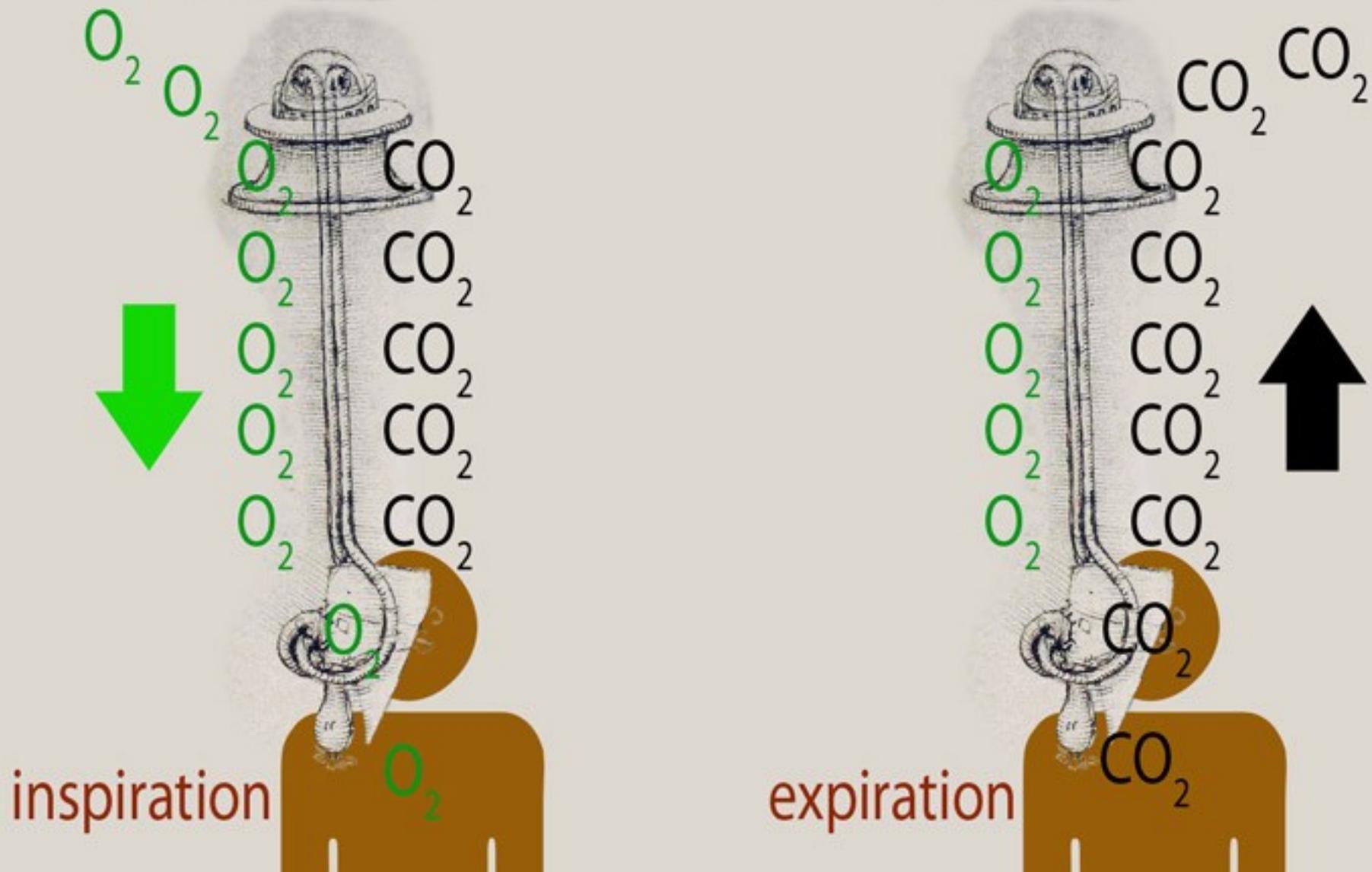
# Il respiratore: Lo studio porta al disegno di un sistema con due tubi



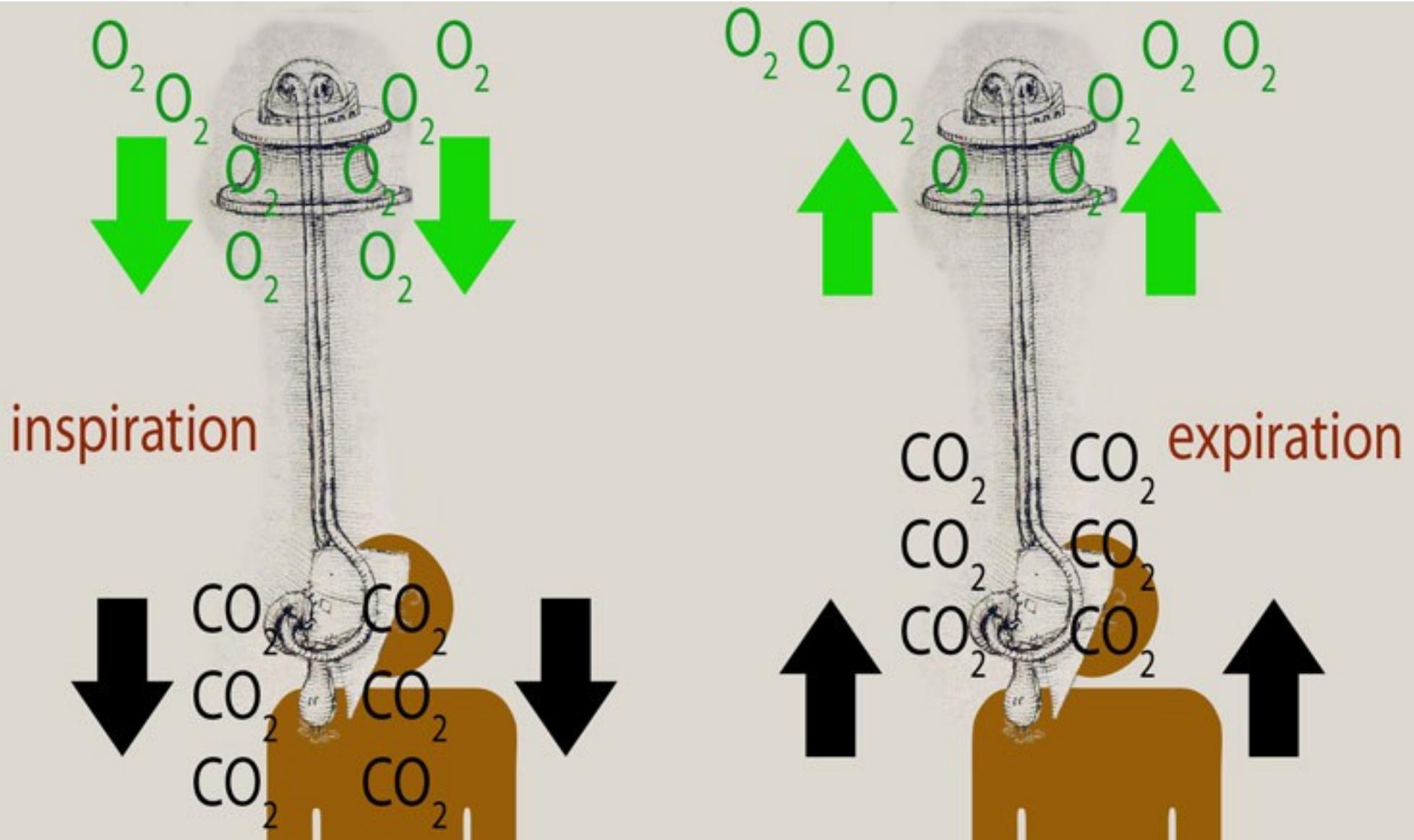
# Il respiratore in azione ...



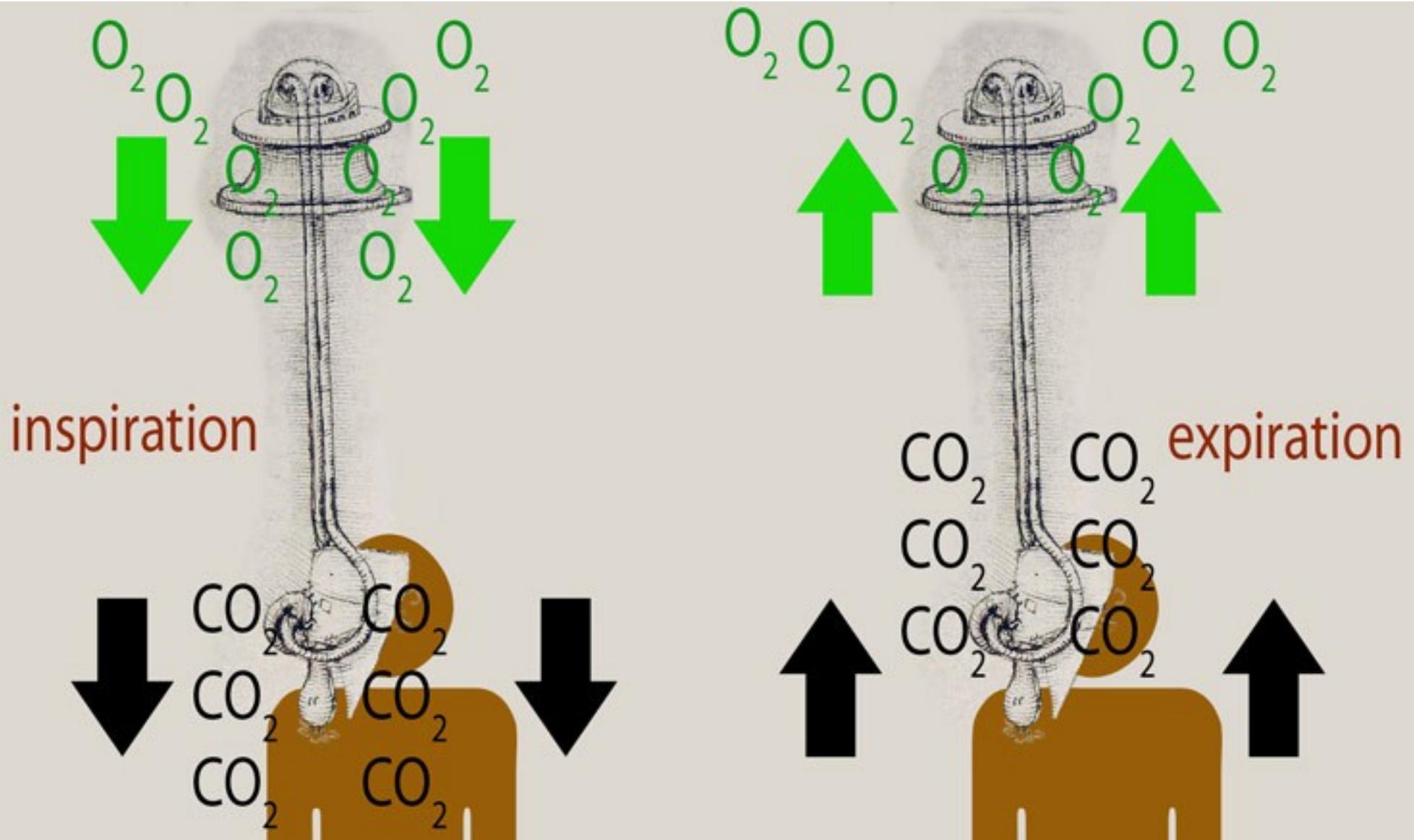
# Il respiratore in azione ...



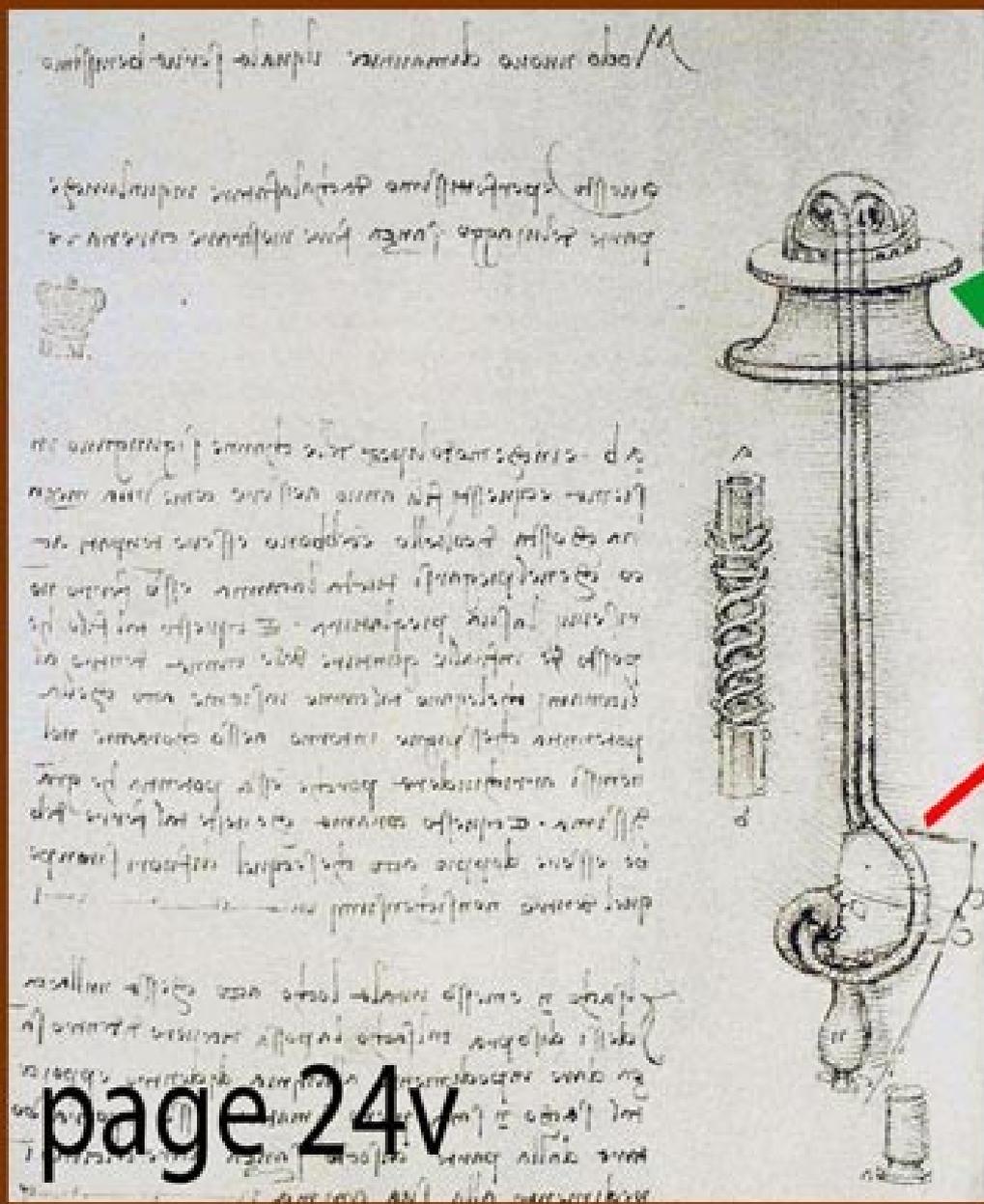
# Il respiratore in azione ...



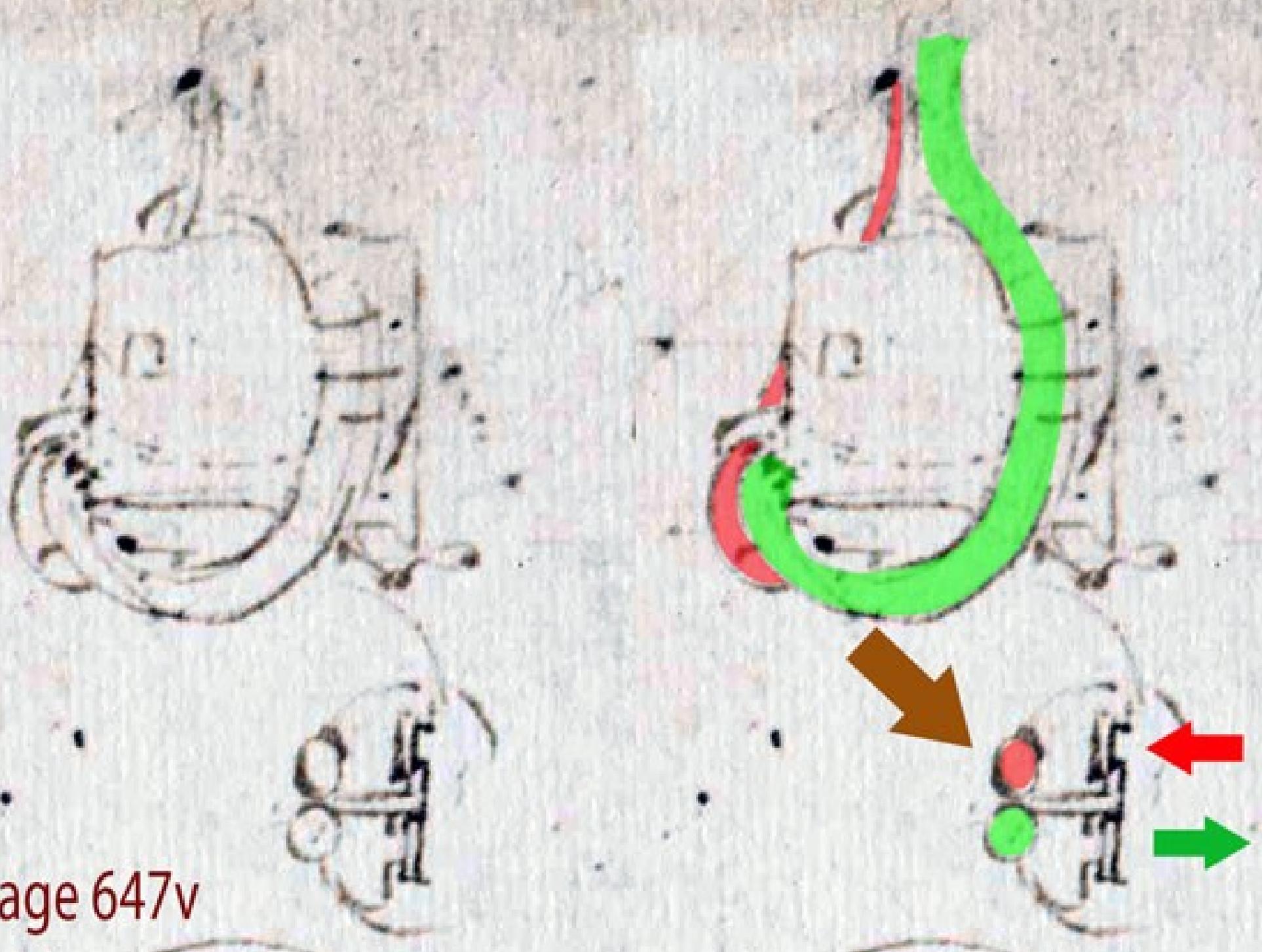
# Il respiratore in azione ...



# Più avanti si trovano degli sudi di dettaglio



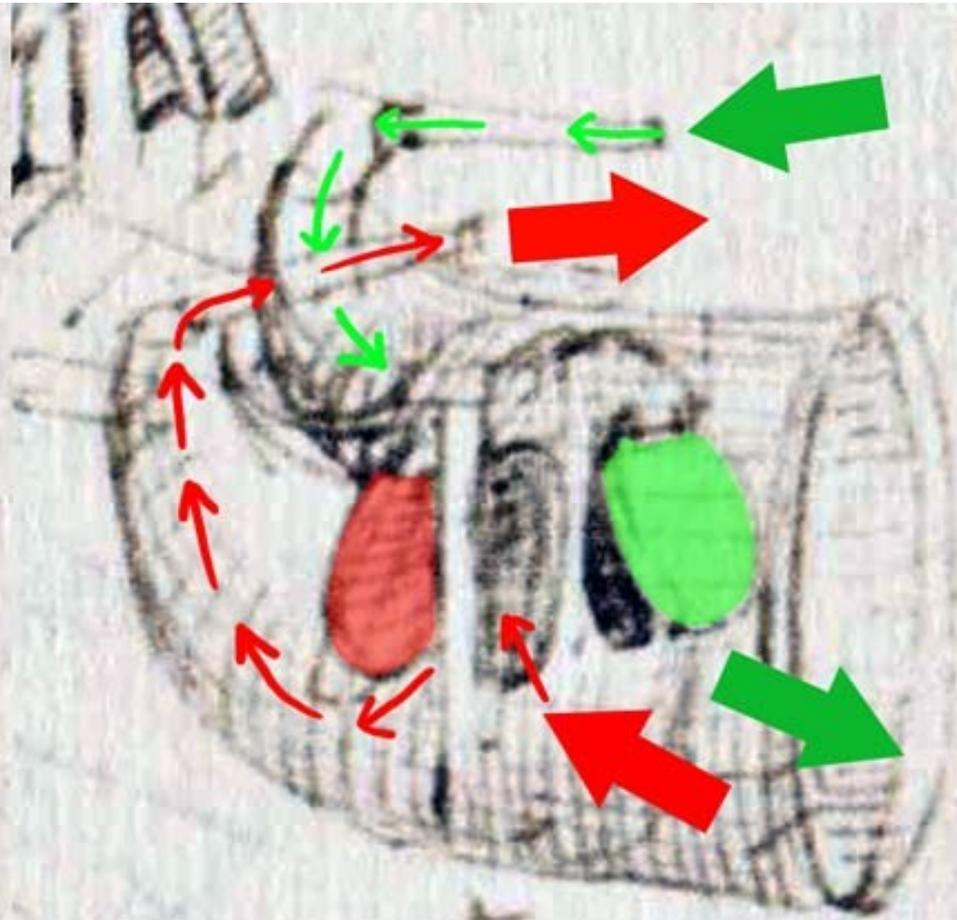
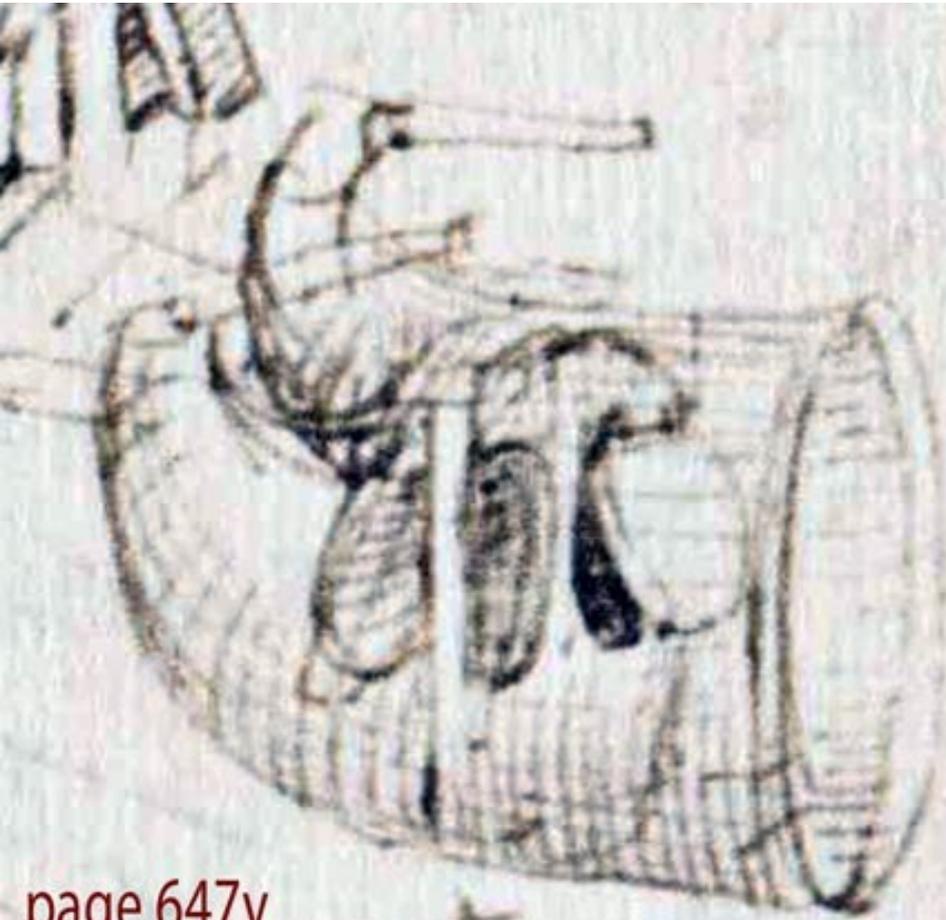
page 647v



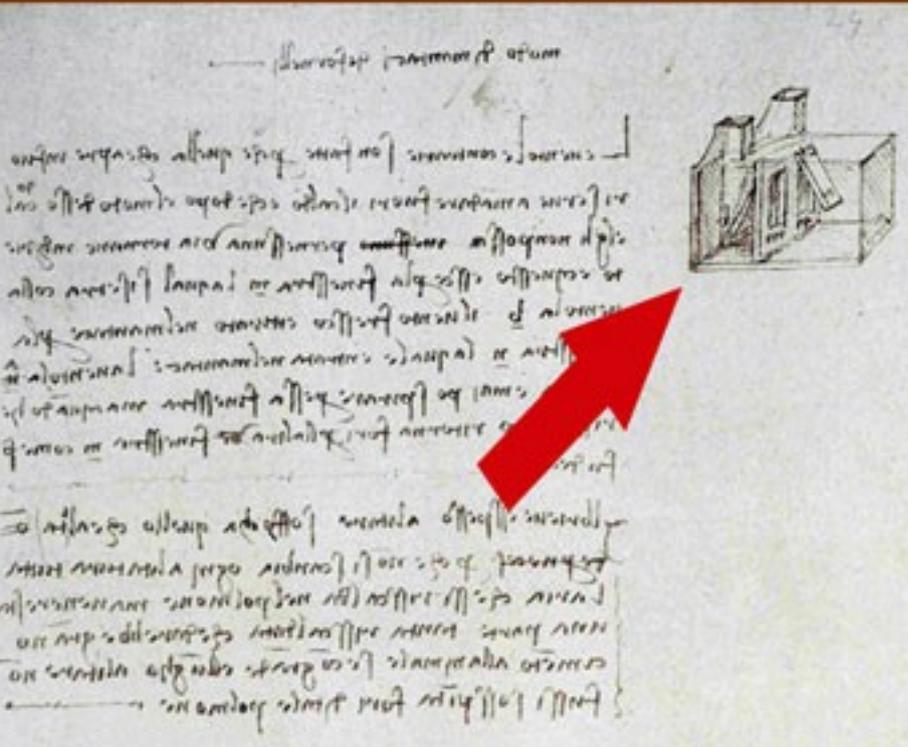
Con valvole  
a una via...



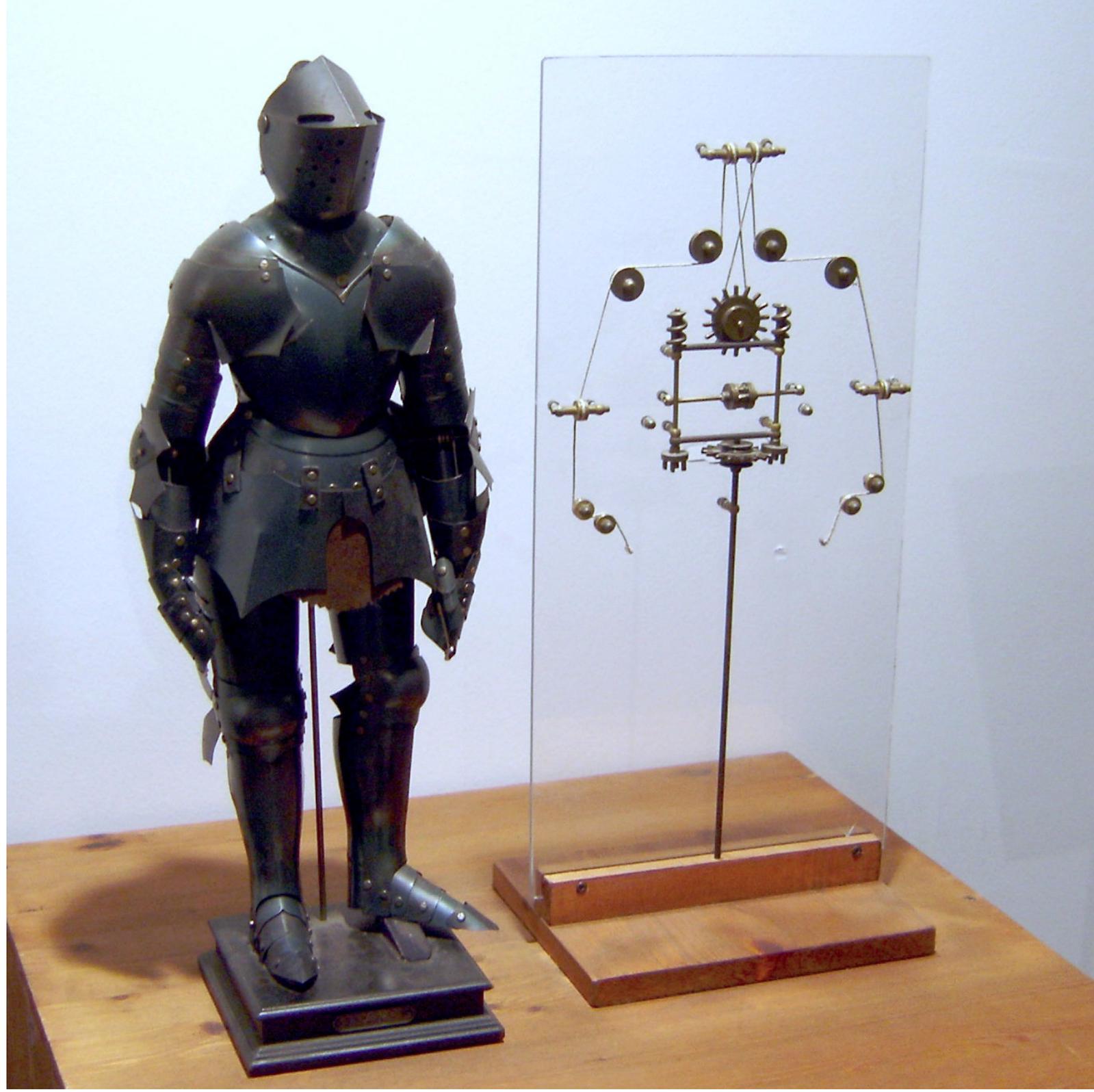
page 647v



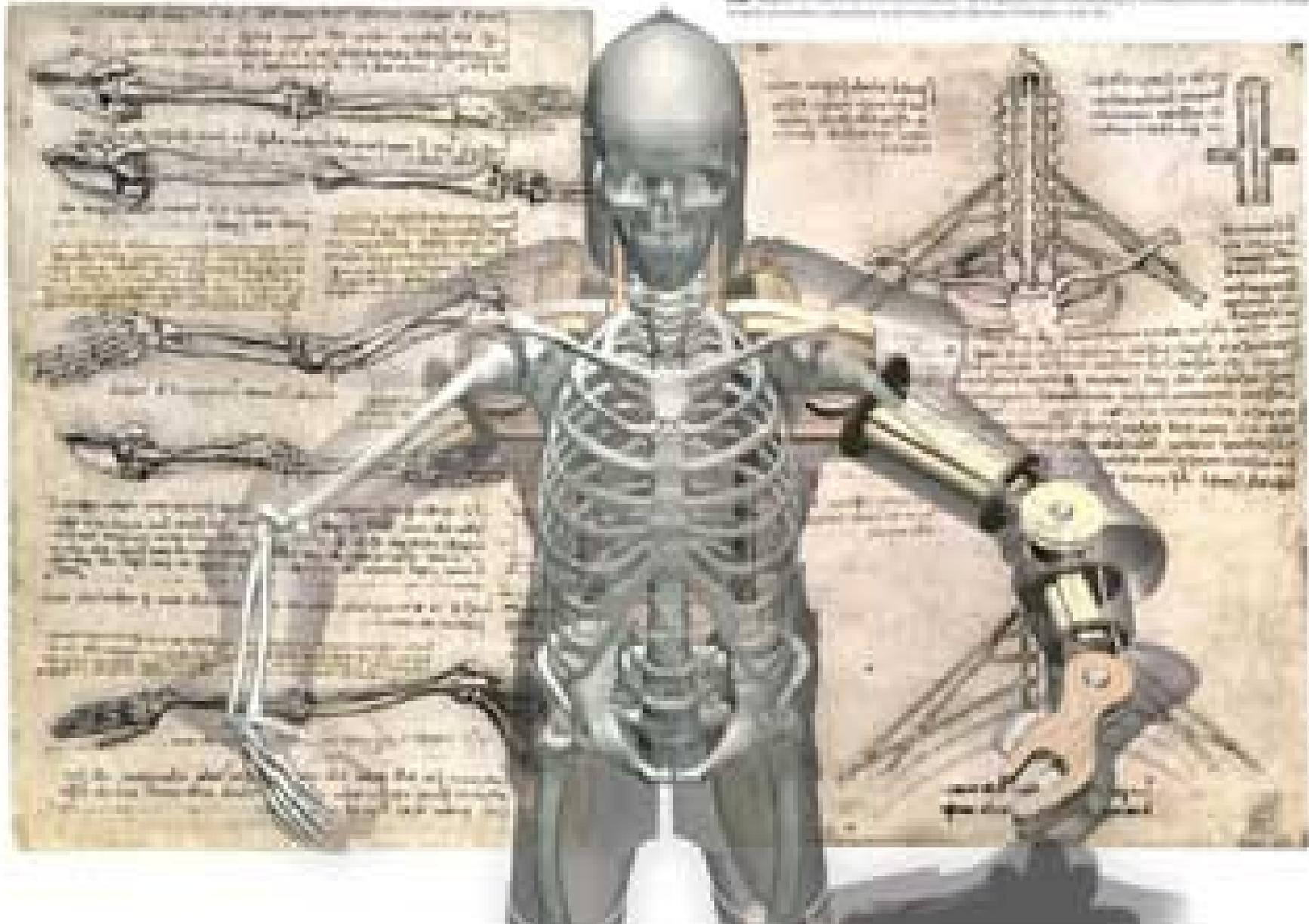
# Altri studi di valvole



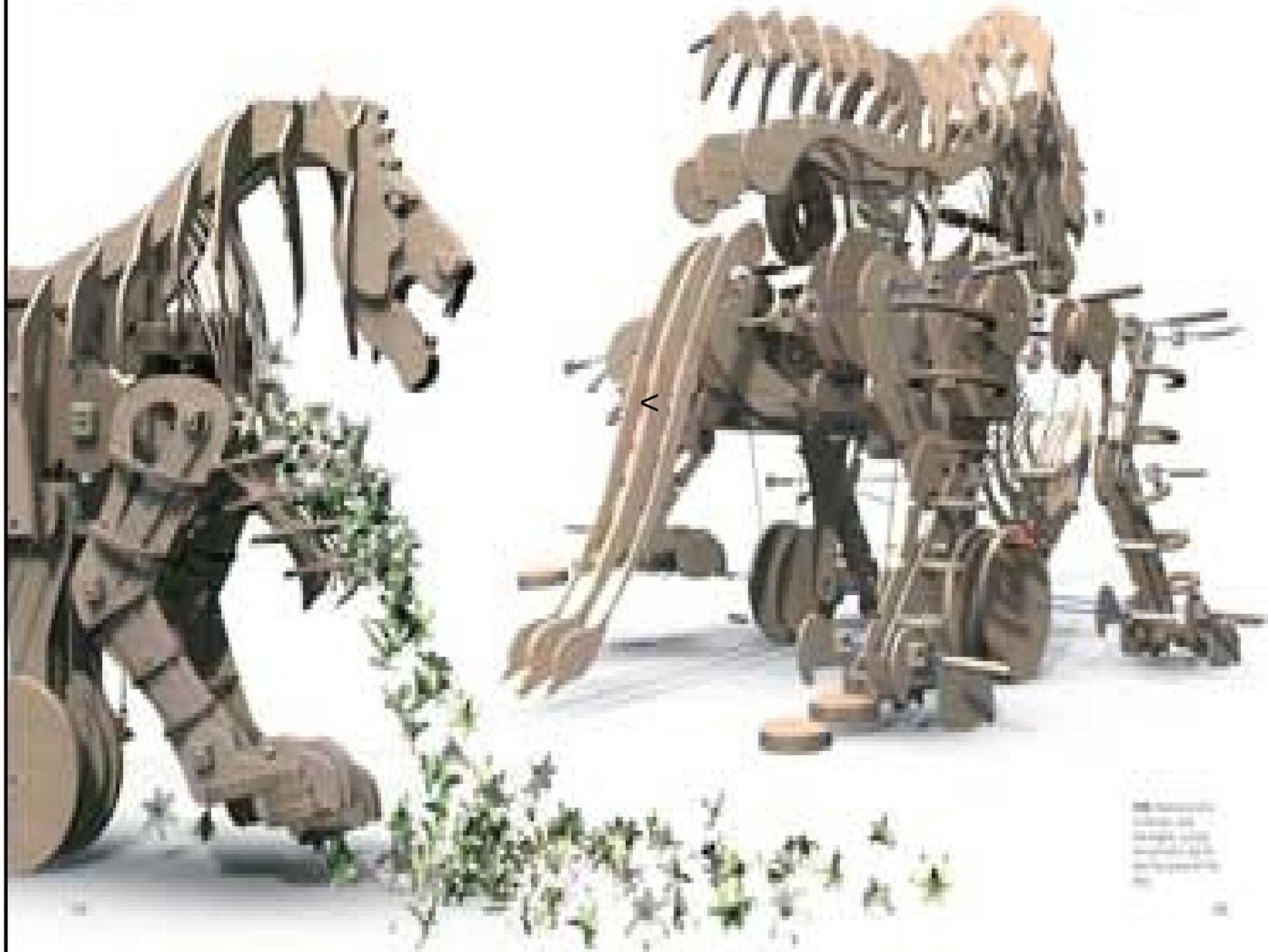
**Macchina  
a  
Imitazione  
Dell'  
Uomo**



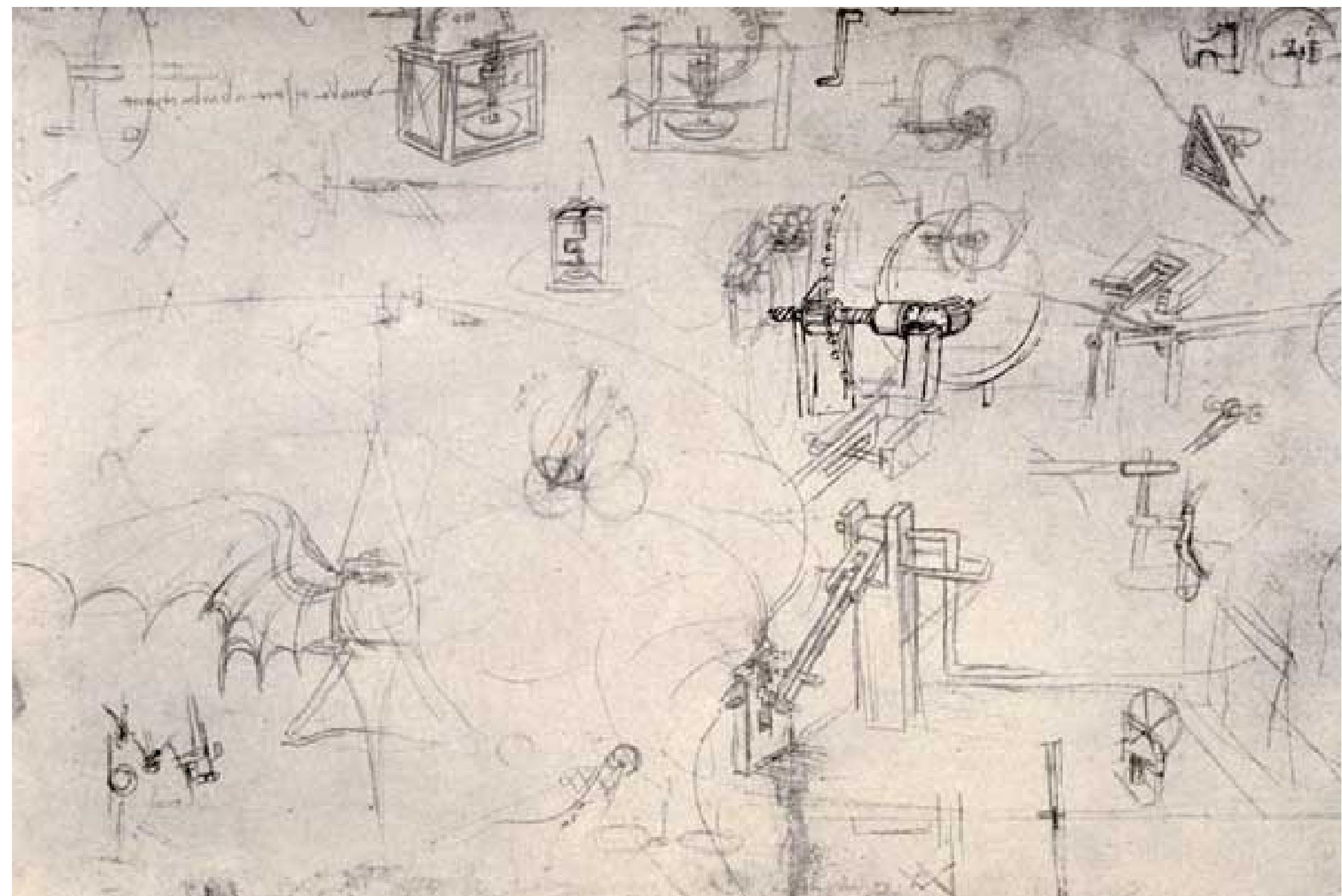
# L' automa del soldato - ROBOTICA



# Il leone da guerra



# MECCANICA delle MACCHINE







131





150.

150



Un albero



131

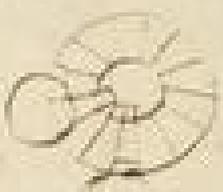


Handwritten text on a piece of aged paper with a scalloped top edge. The text is written in a cursive script, likely Latin or a similar historical language. It is arranged in several paragraphs, with some lines appearing to be part of a list or a structured report. The paper shows signs of wear, including a small tear near the top center and some discoloration.



Handwritten text on a piece of aged paper, possibly a continuation of the text from the left page. The text is written in a cursive script. The paper is heavily stained and discolored, particularly along the bottom edge. There are faint pencil sketches of botanical specimens, including a small plant with a stem and leaves, and a larger, more detailed drawing of a plant with a central stem and several smaller branches or leaves. The sketches are located in the lower half of the page, interspersed with the text.

Handwritten text in the top left corner, likely describing the anatomical structures shown in the diagrams.



Handwritten text in the middle left section, providing further details or observations related to the anatomical drawings.



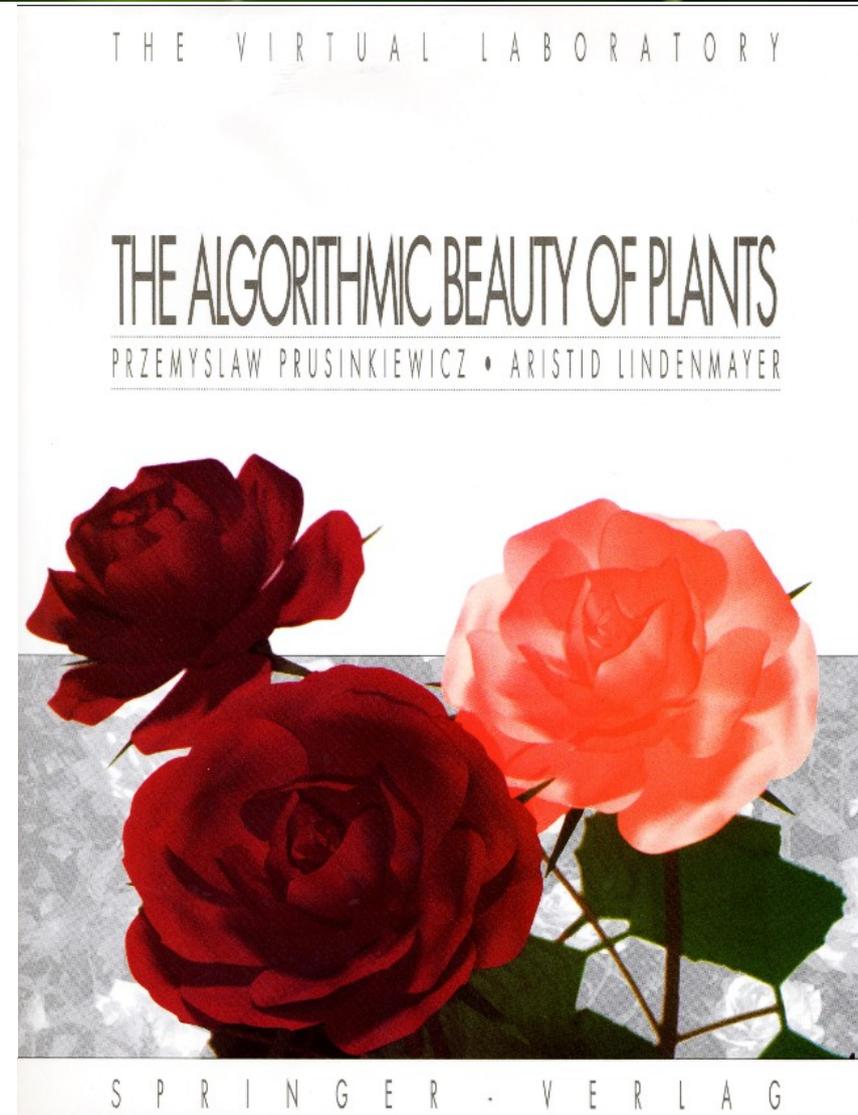
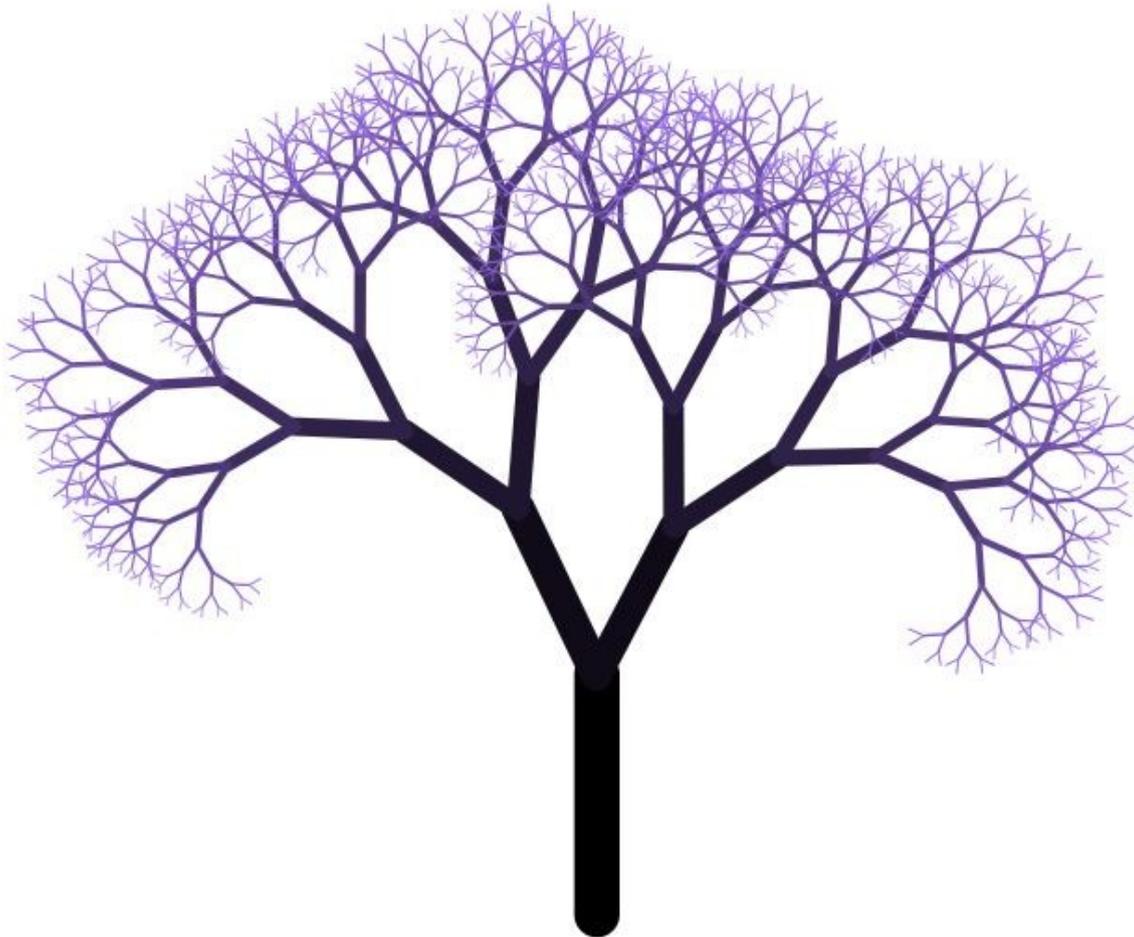
Handwritten text in the middle right section, continuing the descriptive notes for the anatomical illustrations.



Vertical handwritten text on the right side of the page, possibly serving as a legend or a list of labels for the diagrams.



Botanica  
Algoritimica





# Geomorfologia

# Geoidrologia





161

# **La prima versione della Vergine delle Rocce**

**un dipinto a olio su  
tavola trasportato su  
tela**

**(199x122 cm)**

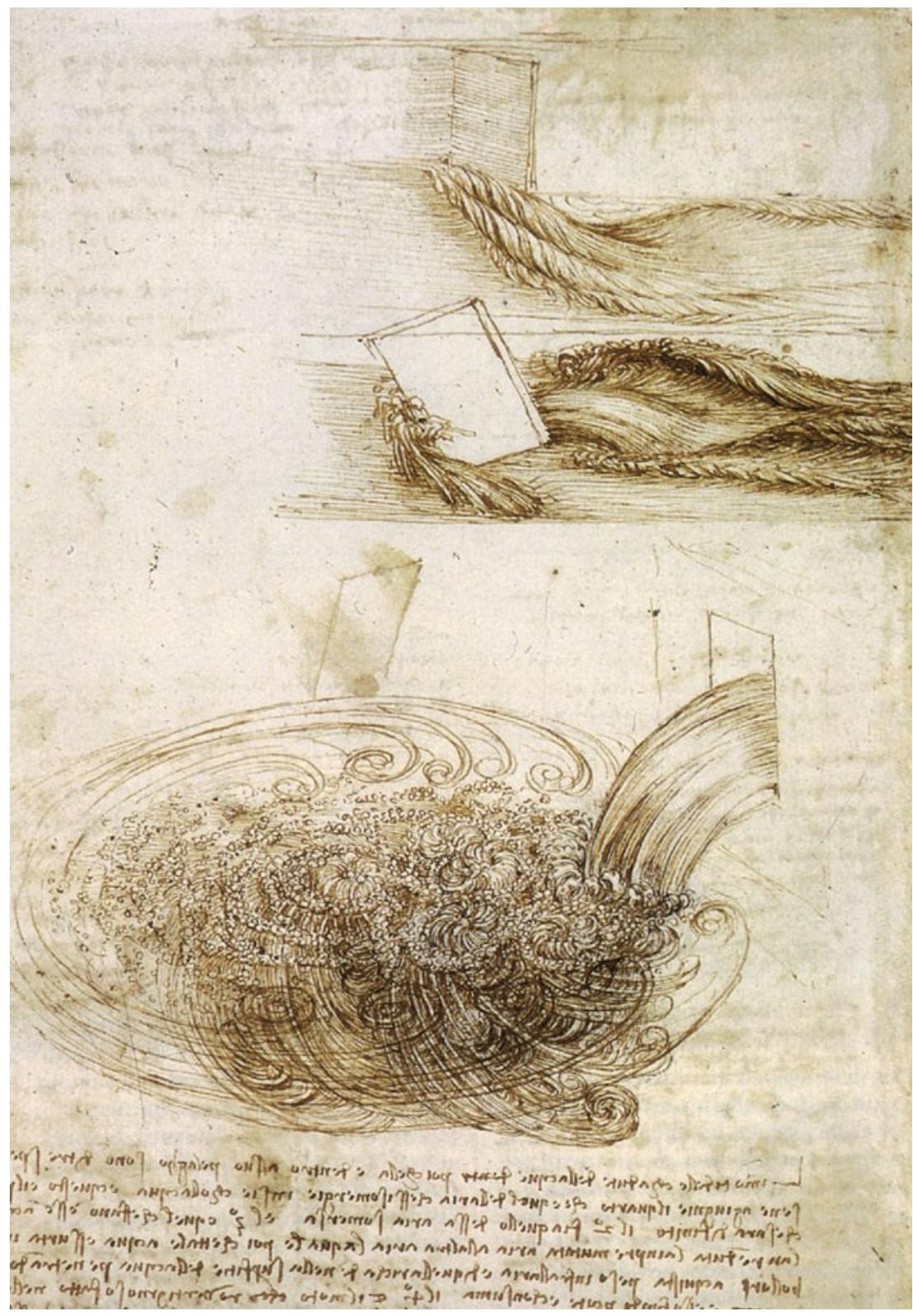
**databile al 1483-1486 e  
conservato nel Musée  
du Louvre di Parigi,**

**la seconda versione è  
conservata alla National  
Gallery di Londra (foto).**

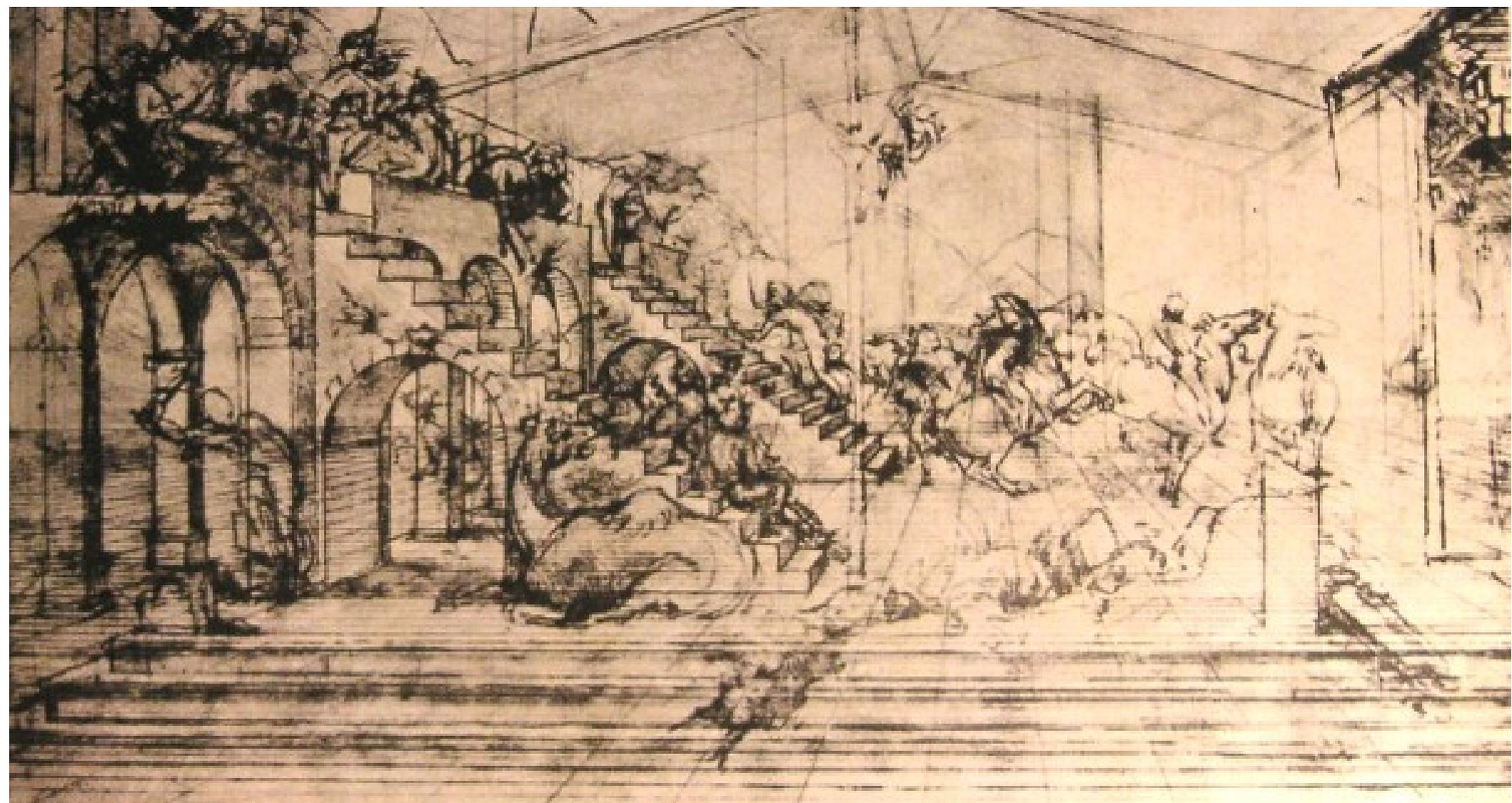


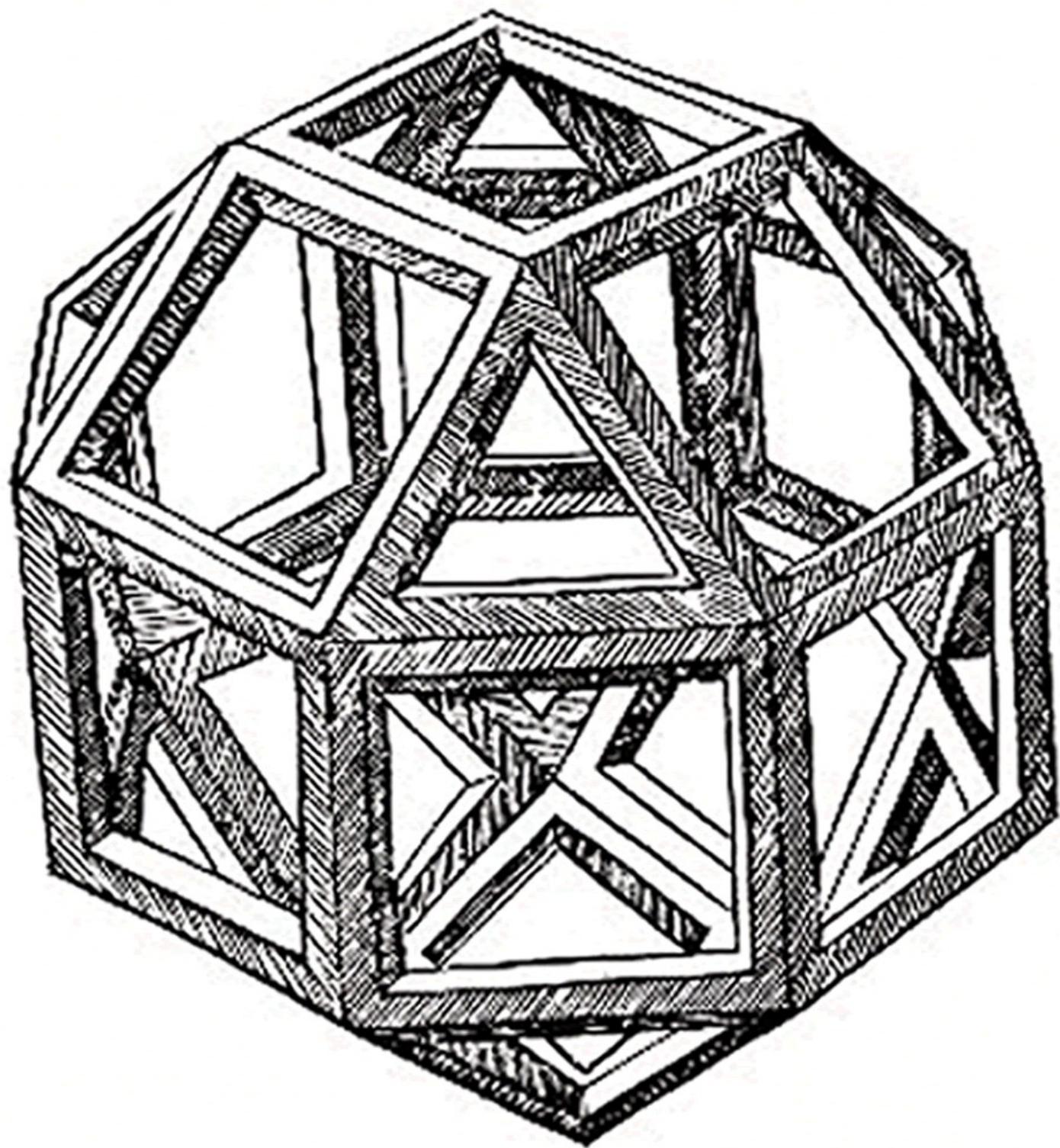


# IDRODINAMICA

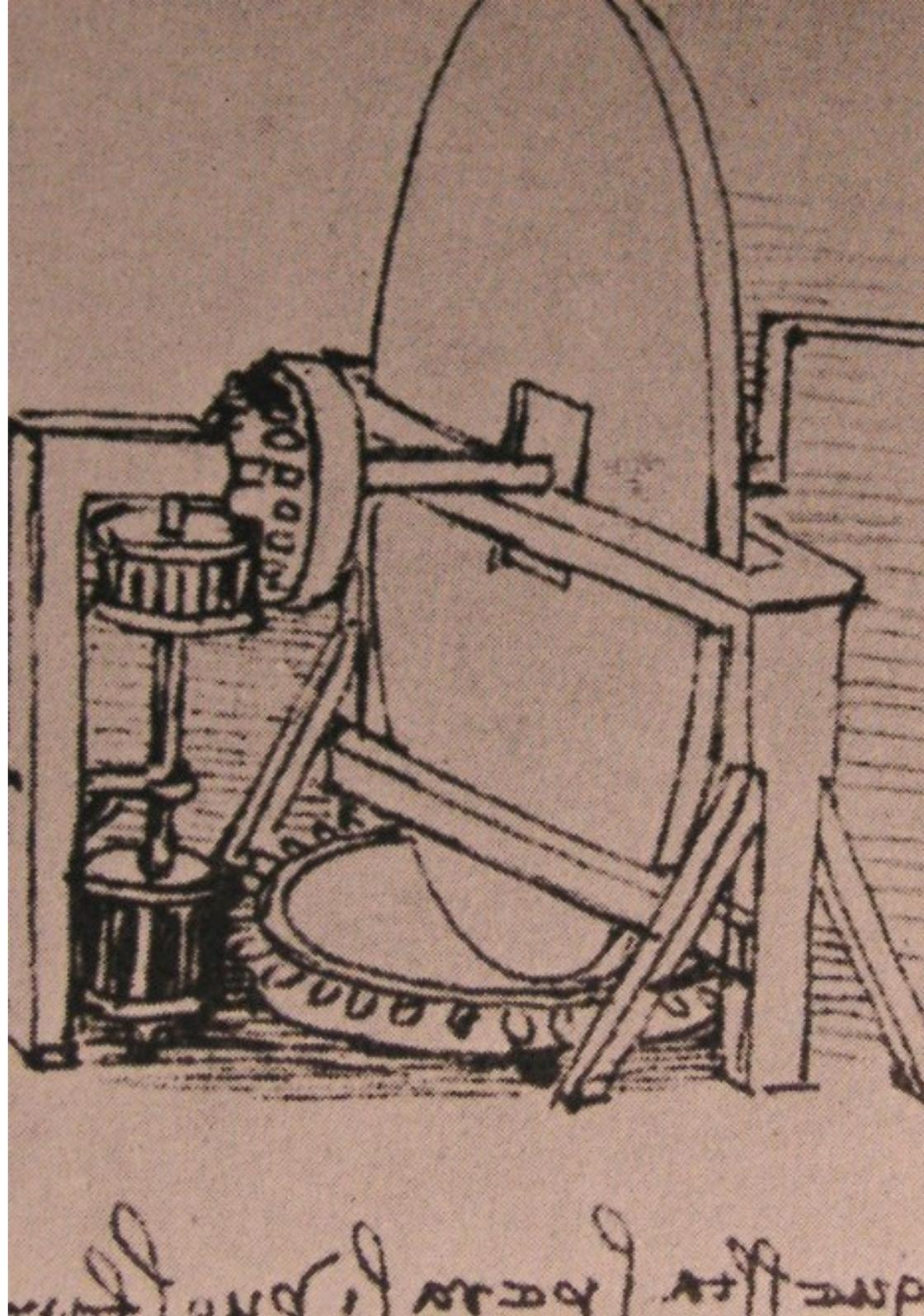


# Studio per “L'adorazione dei Magi”

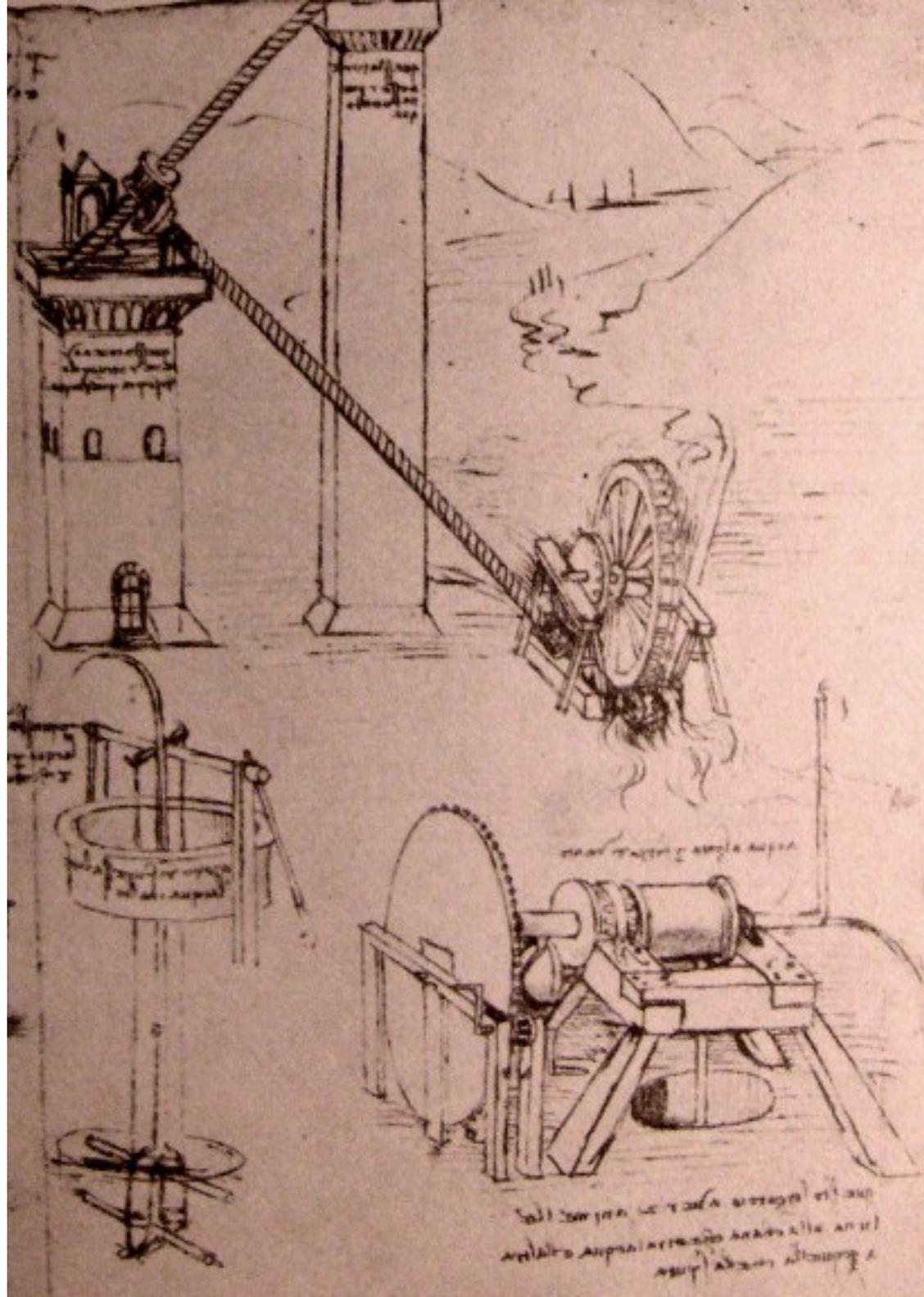


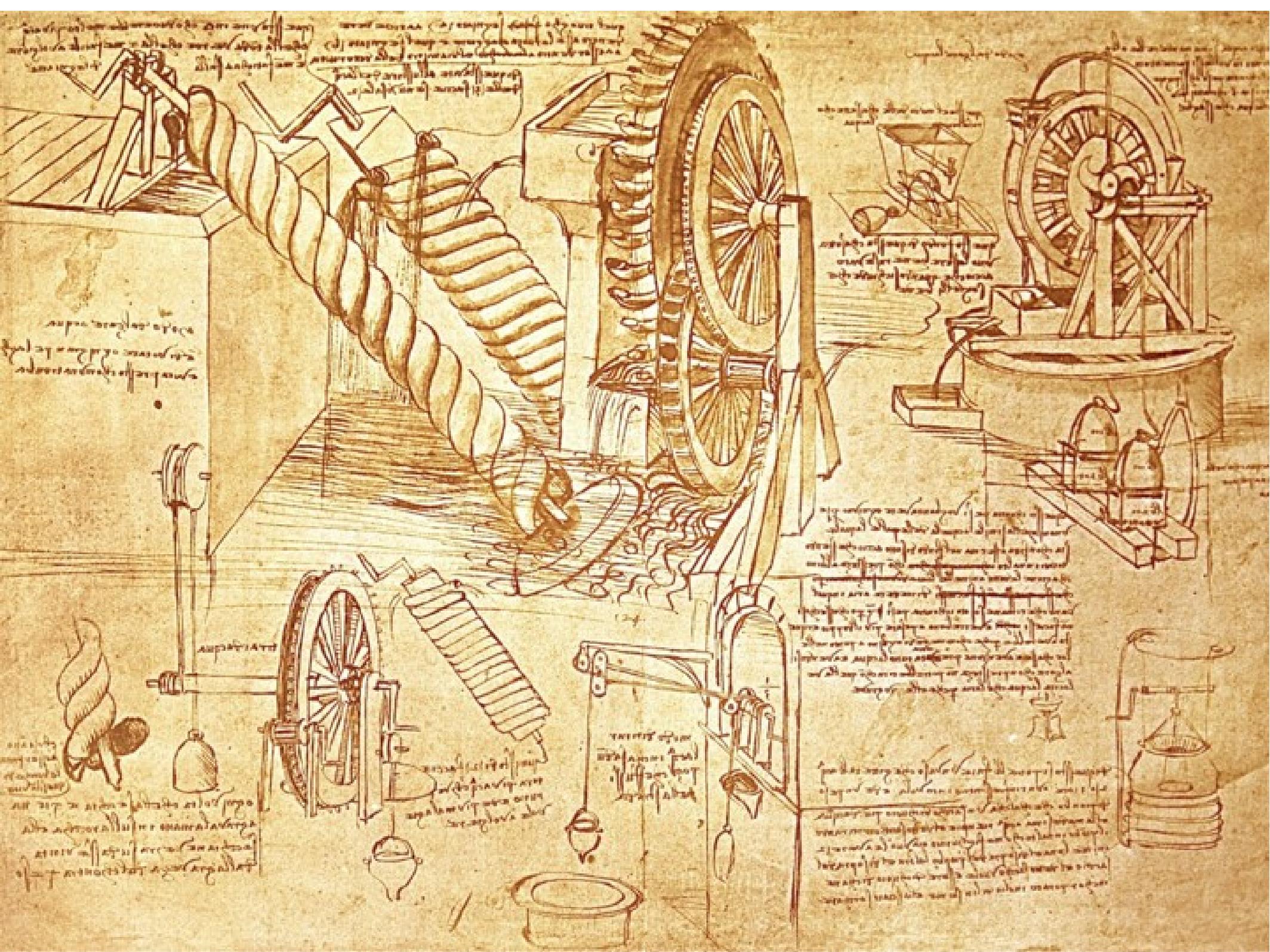


La macchina per  
molare  
lenti e specchi  
convessi

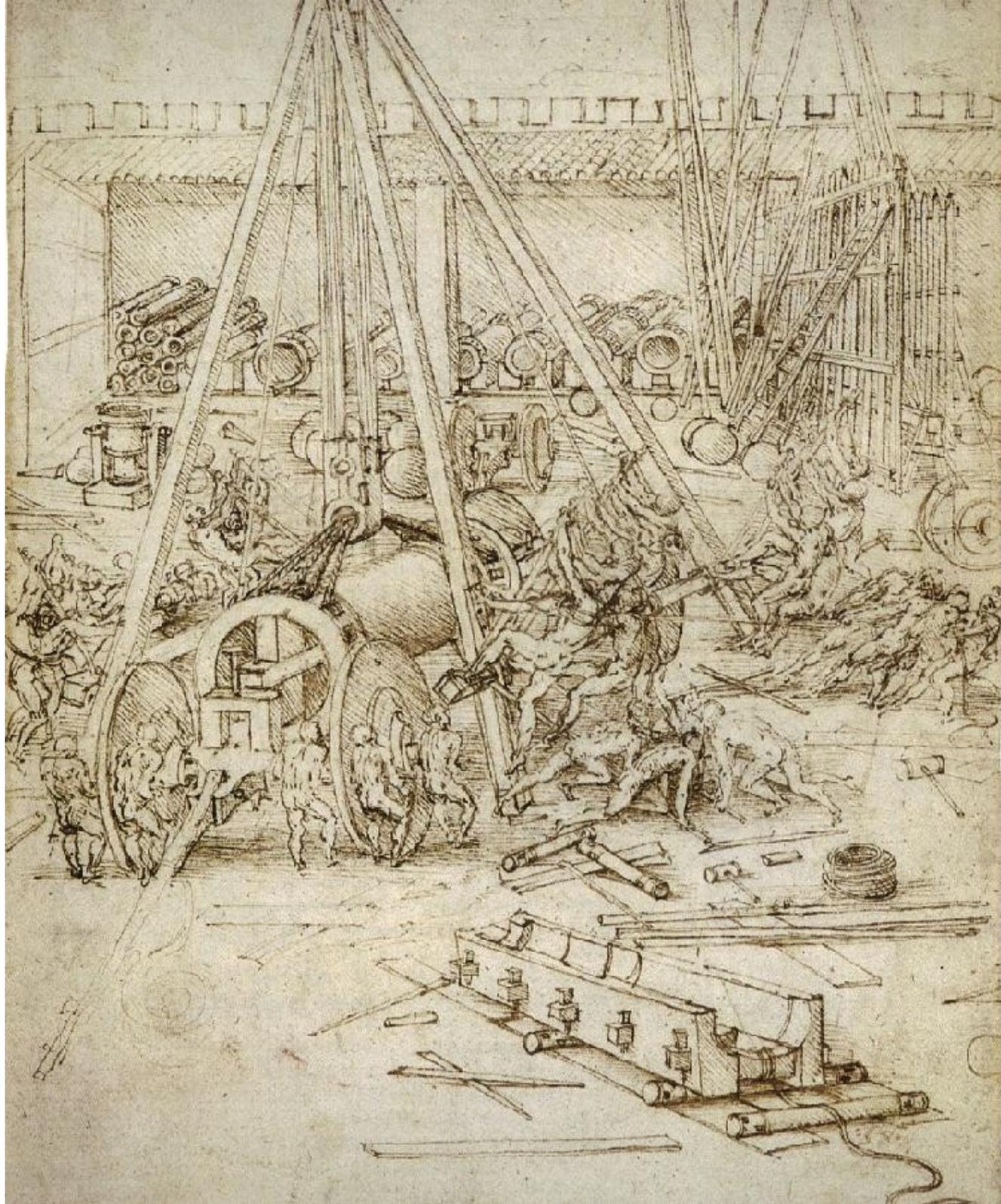


# Le macchine idrauliche di Leonardo

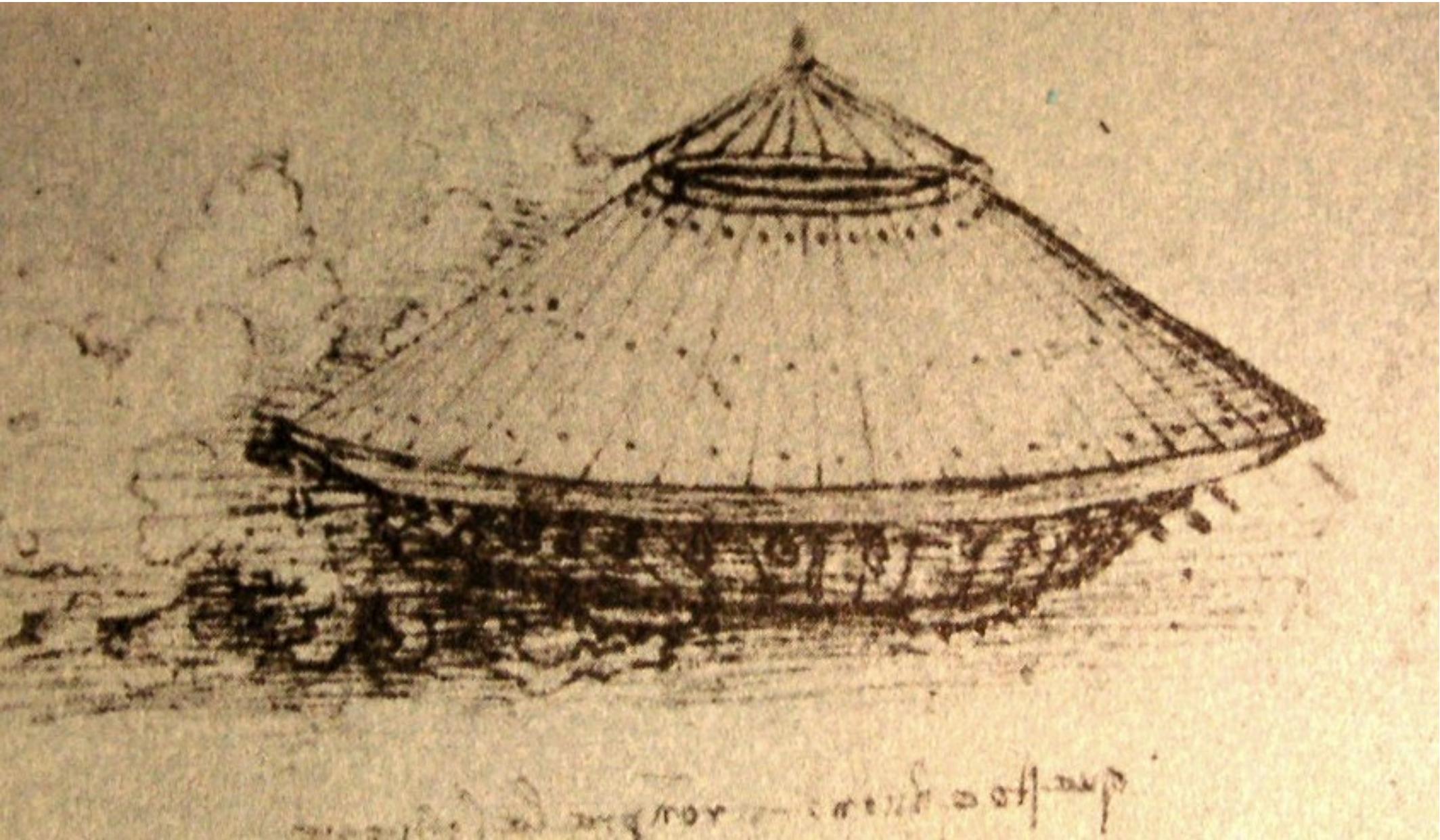




Un  
arsenale  
di  
artiglieria



# Il carrarmato - testudo

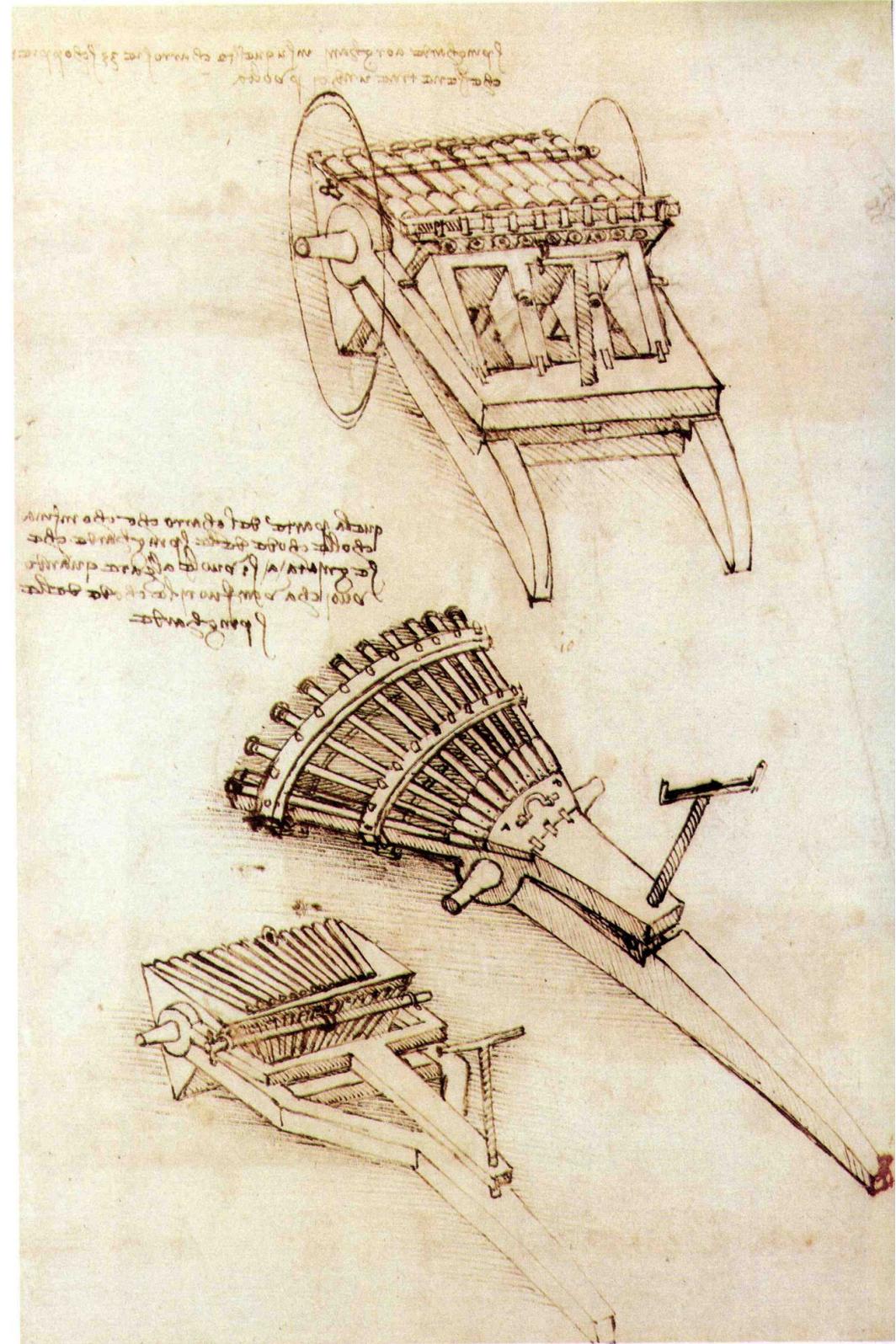


Ribauldequin

La batteria  
da fuoco

La macchina  
infernale

La pistola ad  
organo

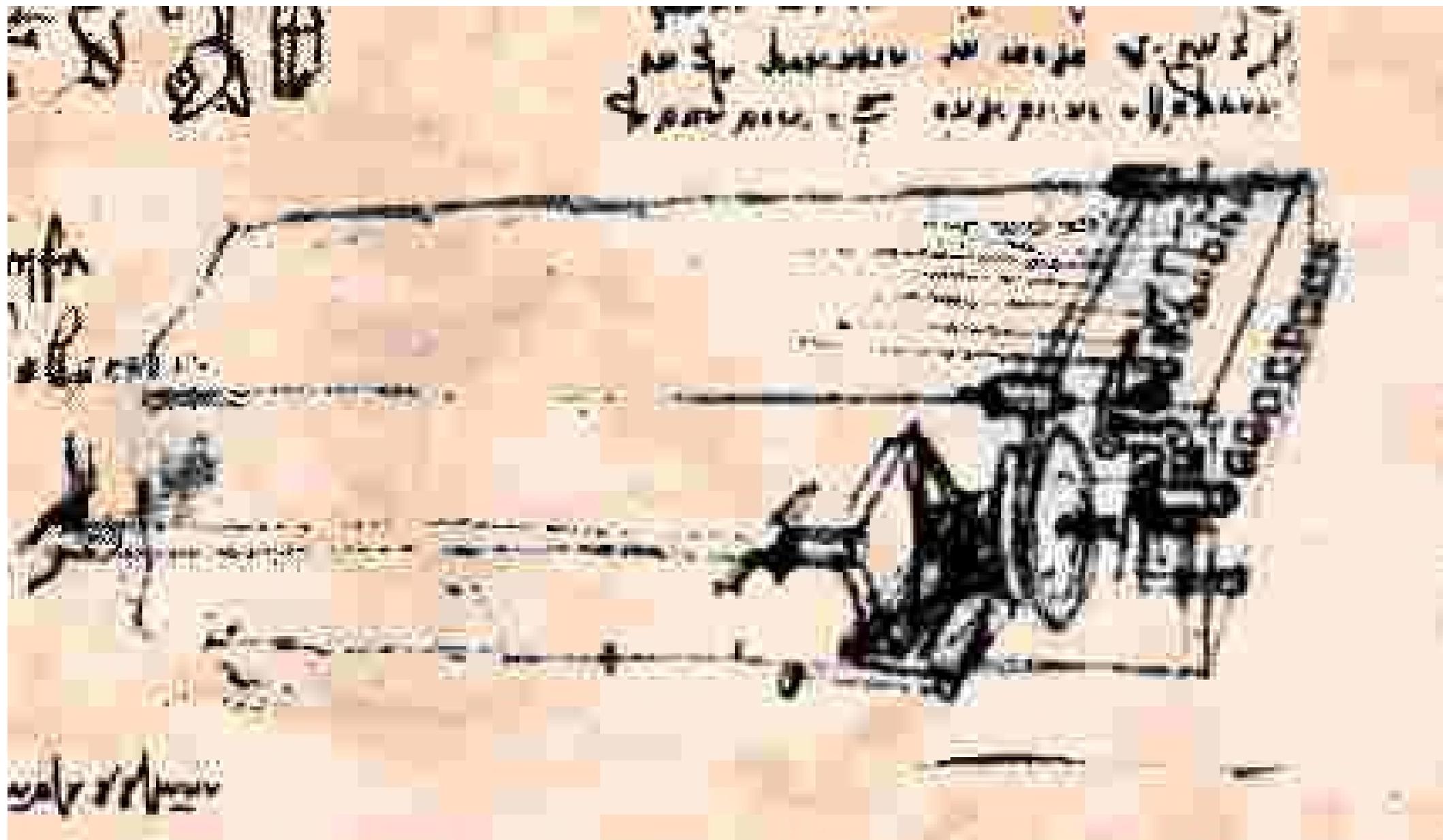


# Il volo degli uccelli





# LA VIOLA ORGANISTA





ISABEL

SPAGNOLA

NOVVS

TERPA SAN

CTAECI

VC

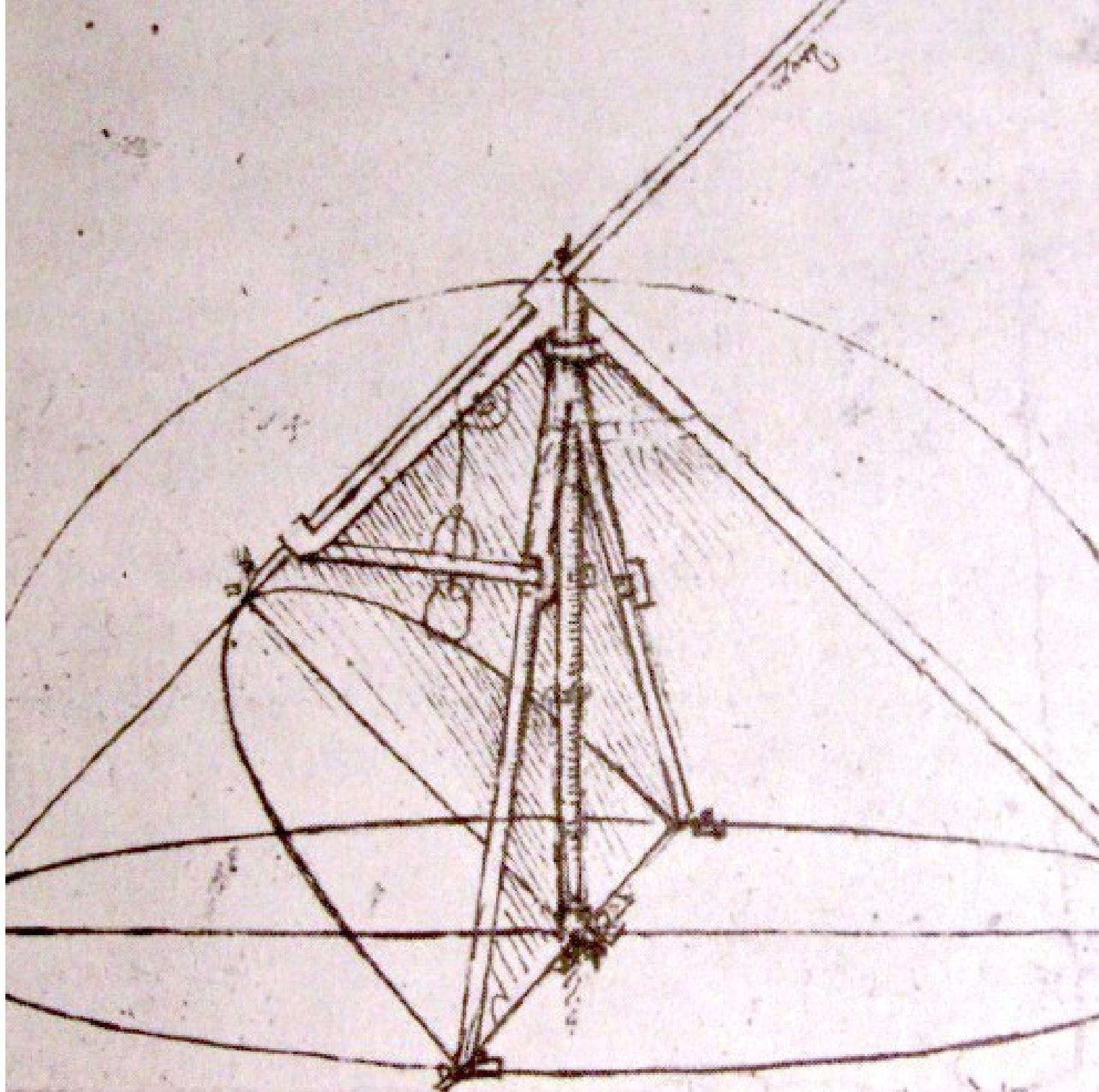
IS



# Museo della Scienza e della Tecnologia - Milano

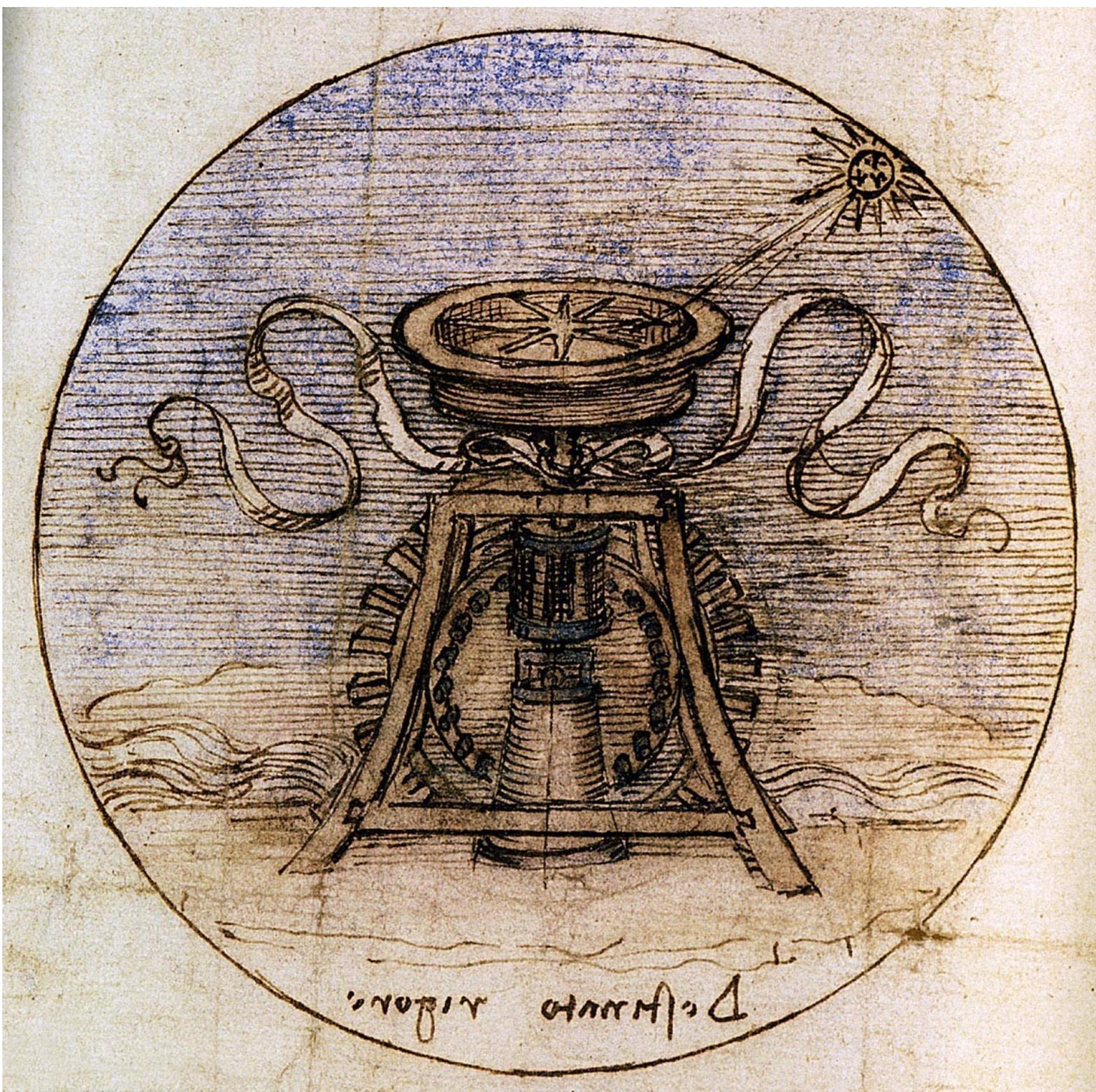


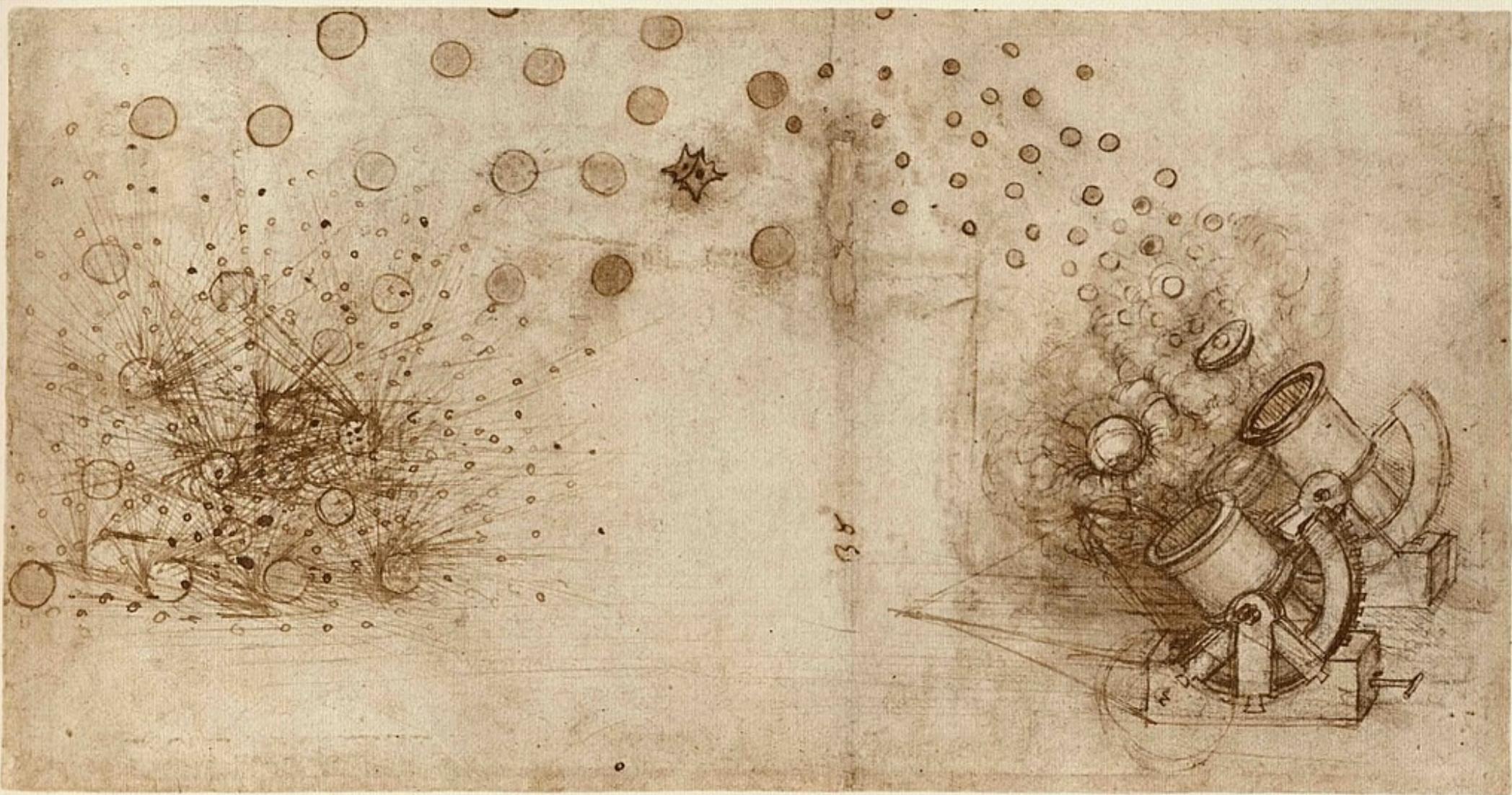




Pump

distance of  
rod of air





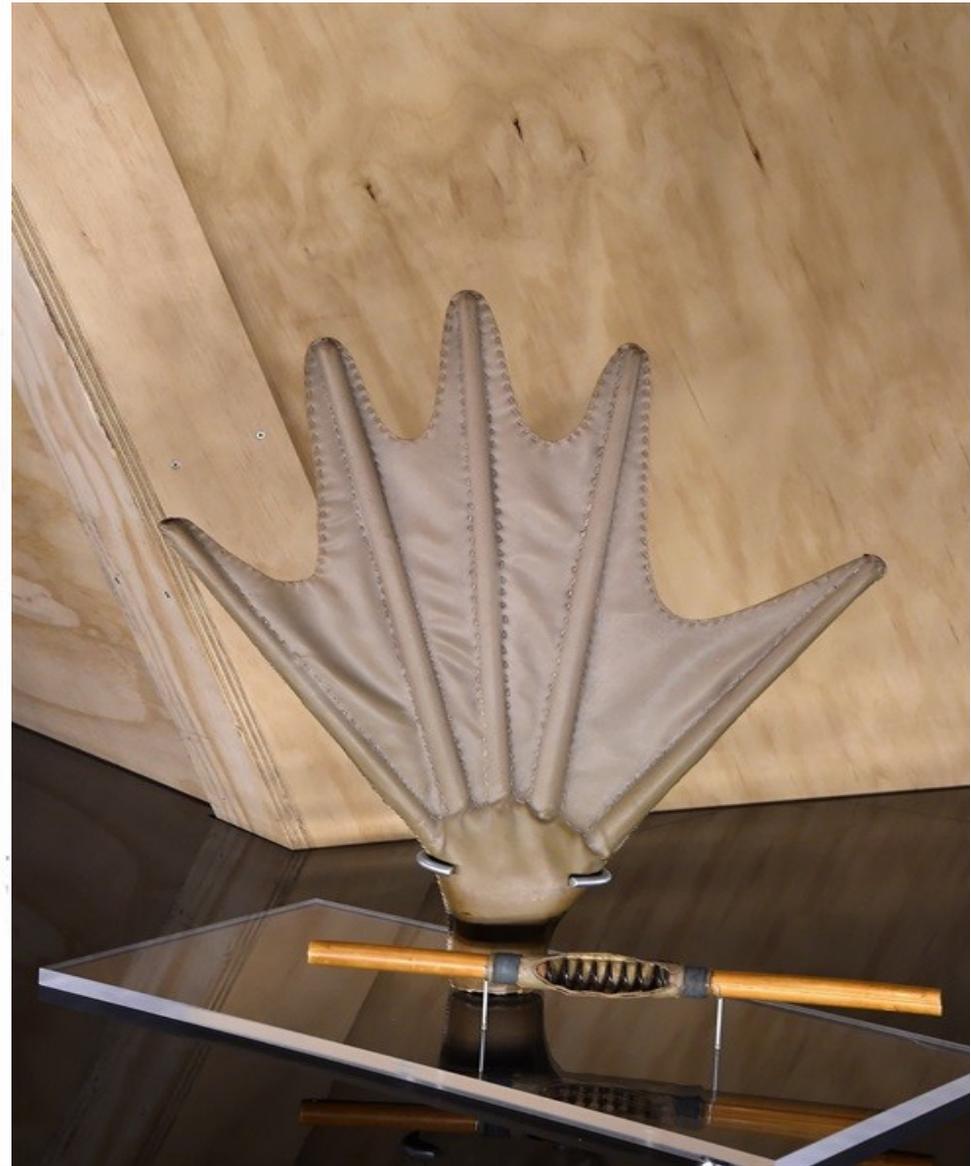


# Guanto palmato per uomo-rana



mo do de sal uai e uno de vna ten  
- pestad.

Handwritten text in a cursive script, likely a historical manuscript, located below the drawing of the swimmer.



# Biblioteca Ambrosiana - Milano

Conserva gli oltre 1000 fogli del

## Codex Atlanticus

e una delle 3 preziose copie manoscritte del

## De Divina Proportione



# Modelli da progetti di Leonardo



# Un paracadute



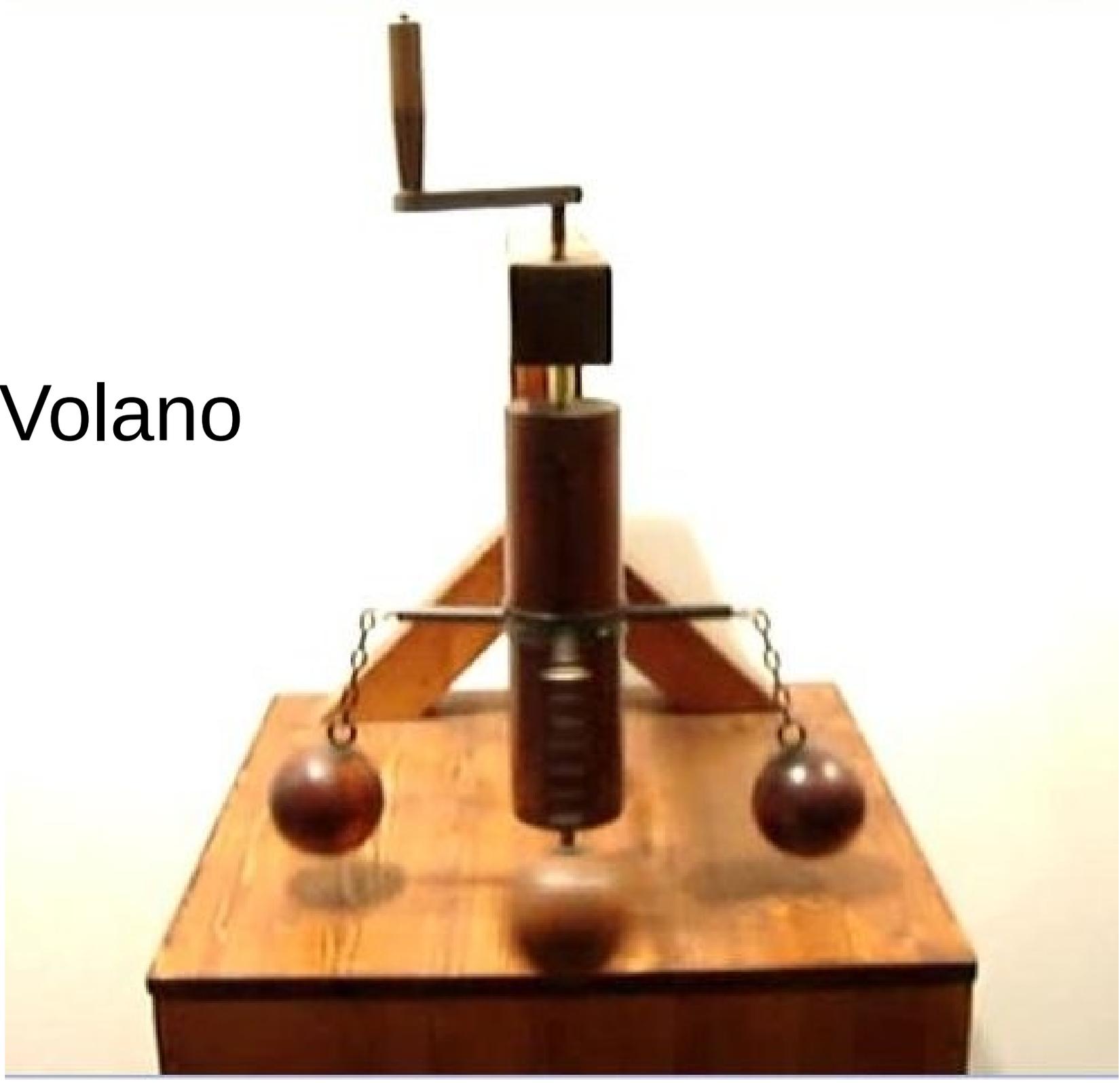
# Il ponte del Corno d'Oro sul Bosforo

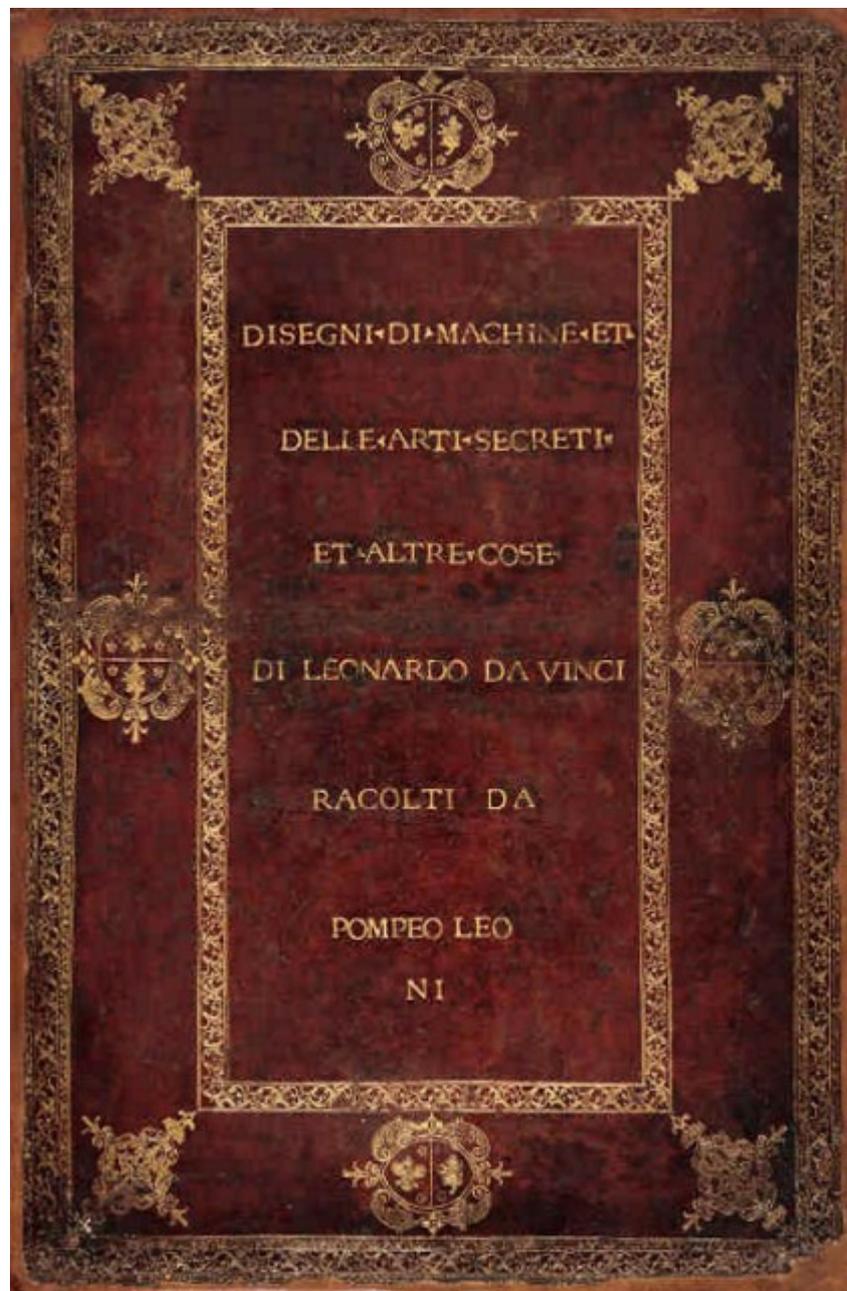




Ribauldequin  
(pistola ad organo)

# Un Volano





DISEGNI DI MACHINE ET

DELLE ARTI SECRETI

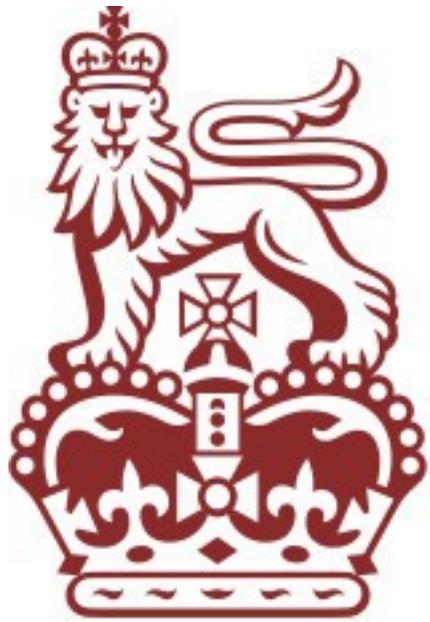
ET ALTRE COSE

DI LEONARDO DA VINCI

RACOLTI DA

POMPEO LEONI

NI

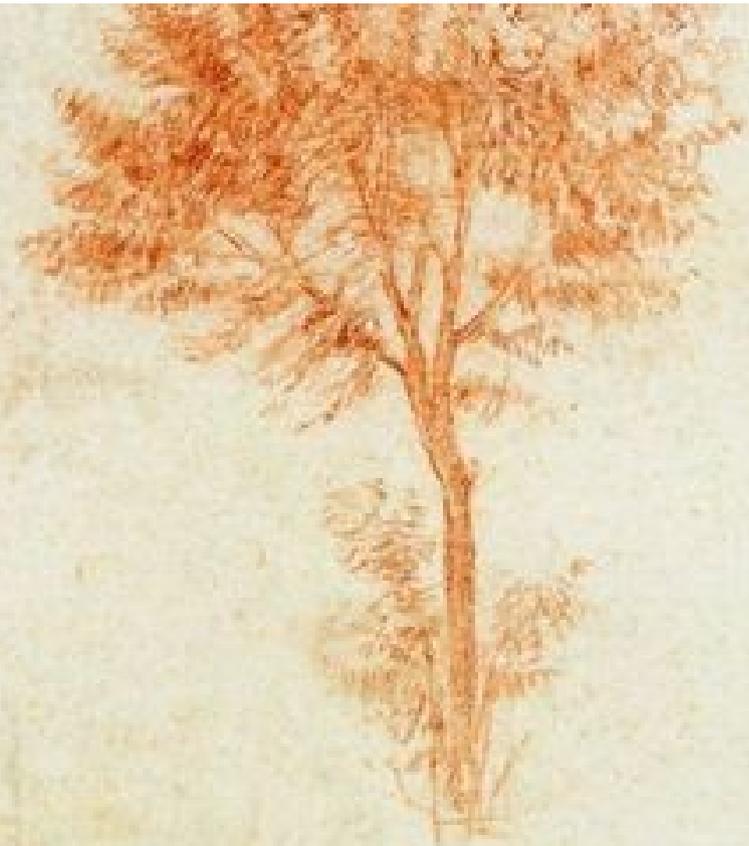


ROYAL  
COLLECTION  
TRUST



LEONARDO | CÓDICE  
INTERACTIVO | MADRID

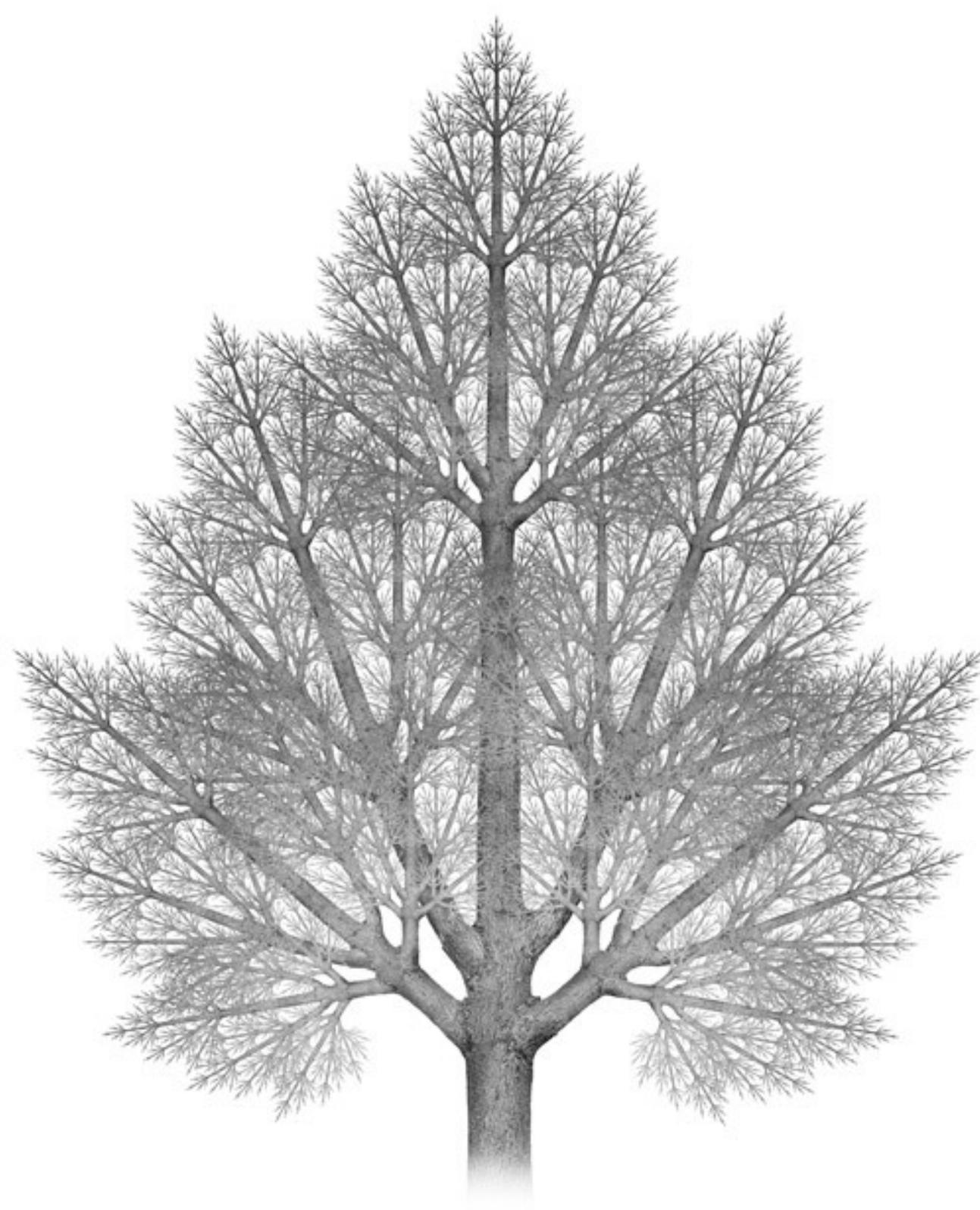
Un albero  
cosa è  
alla fine  
per Leonardo

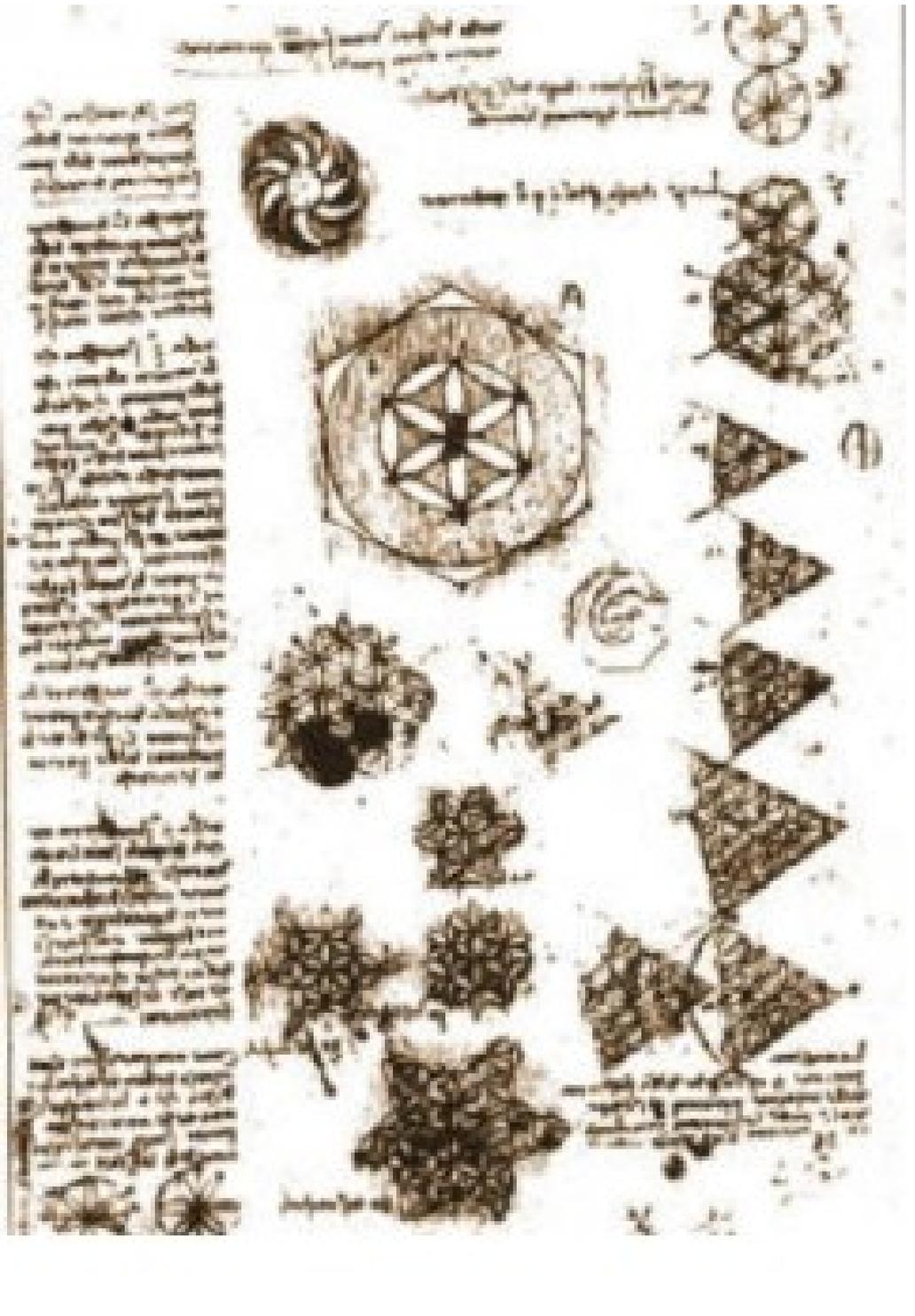
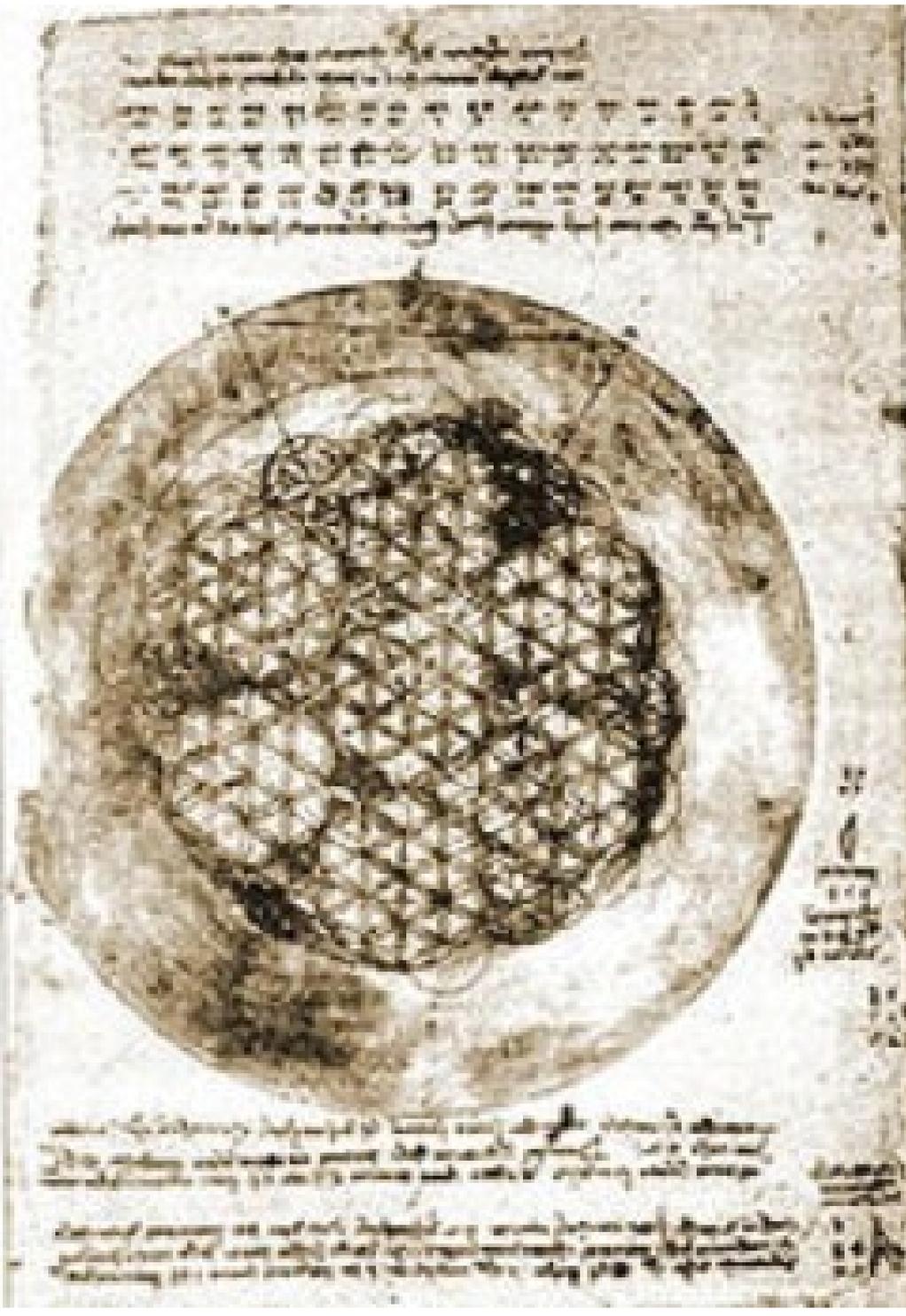


Handwritten text in a cursive script, likely a note or description related to the tree drawing.

Un albero  
cosa è:

una  
espressione  
della legge  
generatrice  
della Natura





137



Un temporale  
in montagna

cosa è  
per Leonardo

16 Nov 2019 15:45 UTC  
Air mass B/W



# wind map

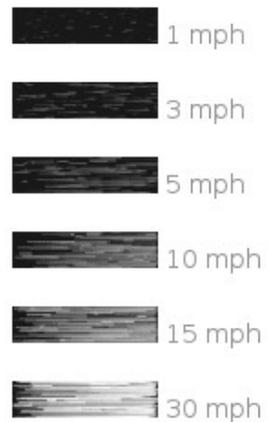
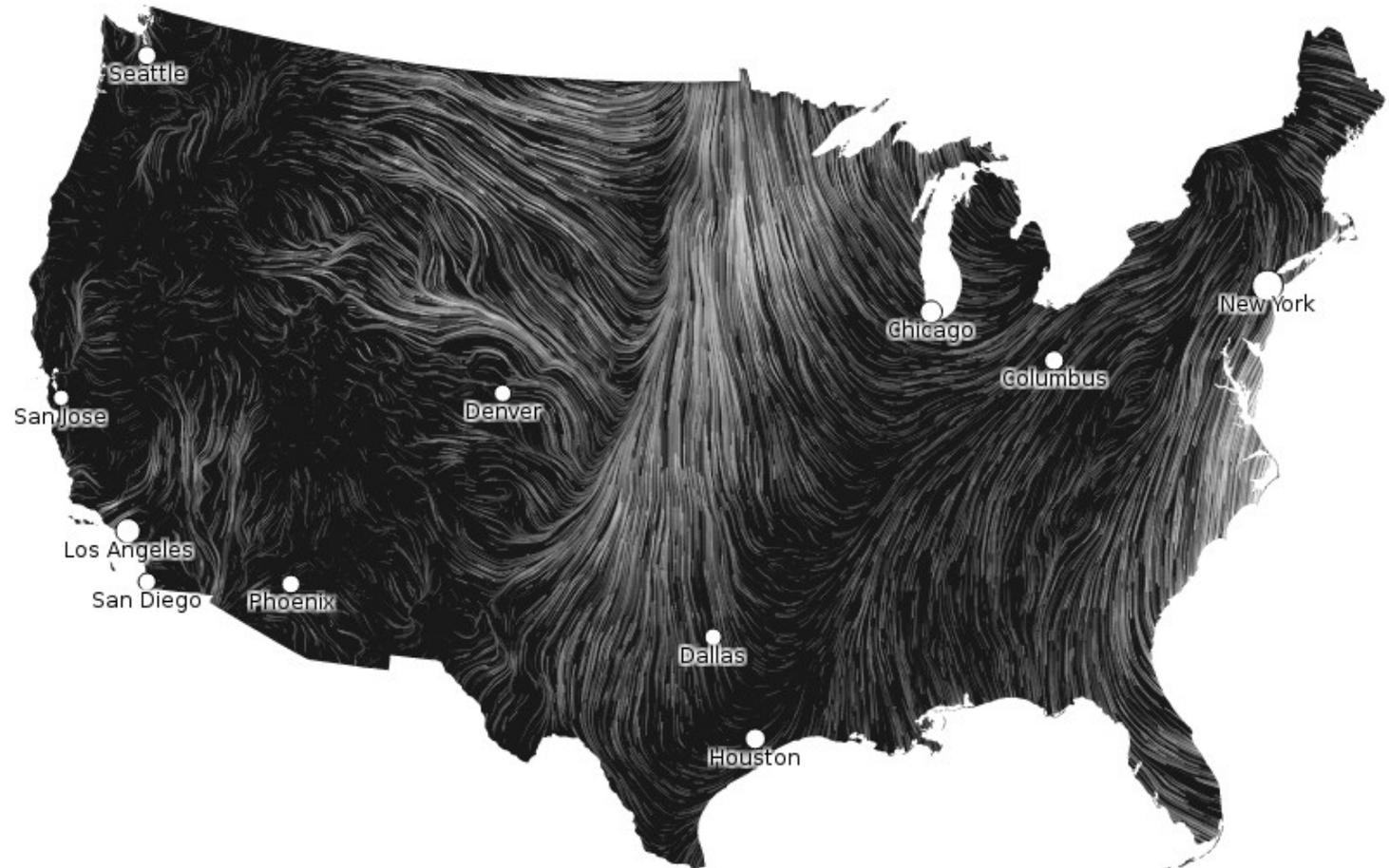
Nov. 16, 2019

11:43 am EST

(time of forecast download)

top speed: 44.1 mph

average: 10.3 mph



Gallery



An invisible, ancient source of energy surrounds us—energy that powered the first explorations of the world, and that may be a key to the future. This map shows you the delicate tracery of wind flowing over the US.

Wind map prints are available from [Point.B Studio](#).

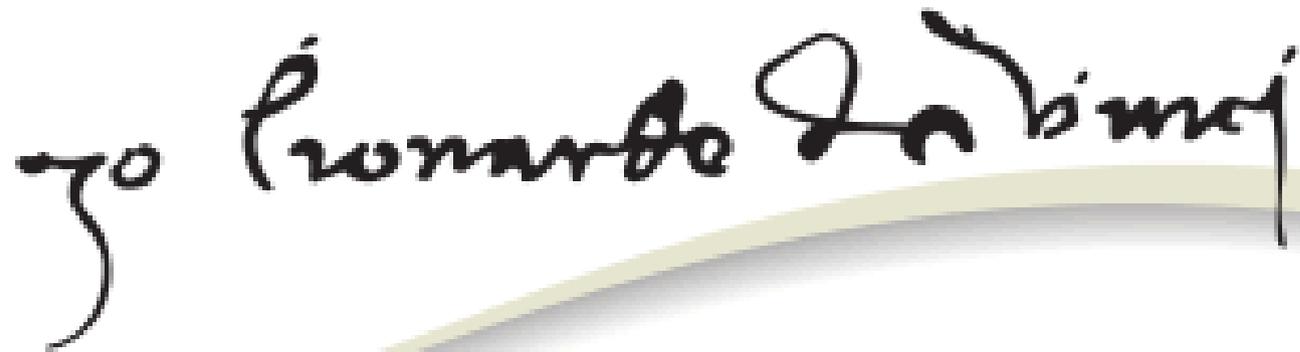
Read more about [wind](#) and about [wind power](#).

In conclusione ...

**«La sapienza è figliola della  
sperienza.» Leonardo da Vinci**

# Firma autografa di Leonardo Da Vinci

depositata presso l'archivio di Stato Italiano



yo Leonardo Da Vinci

The image shows a handwritten signature in black ink on a white background. The signature is written in a cursive, slanted script. The first letter 'y' is large and loops down. The name 'Leonardo Da Vinci' follows in a similar style. Below the signature is a thick, wavy, light-colored brushstroke that tapers off to the left and right.