

ALÉM DA ESCRITA...

As tintas,

como se escrevia no passado



Pigmento

Aglutinante

Solvente

Mordente

Espessante

Hidratante

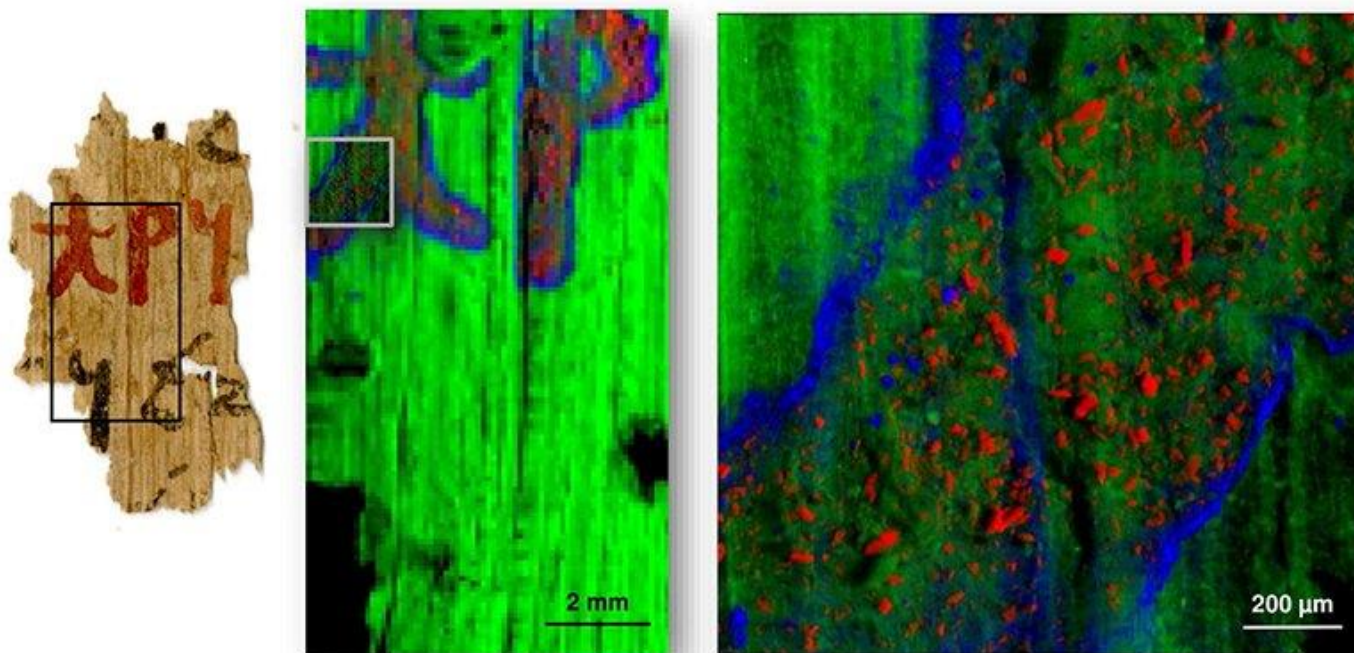
Abrilhantador

Odorizante

Antisséptico

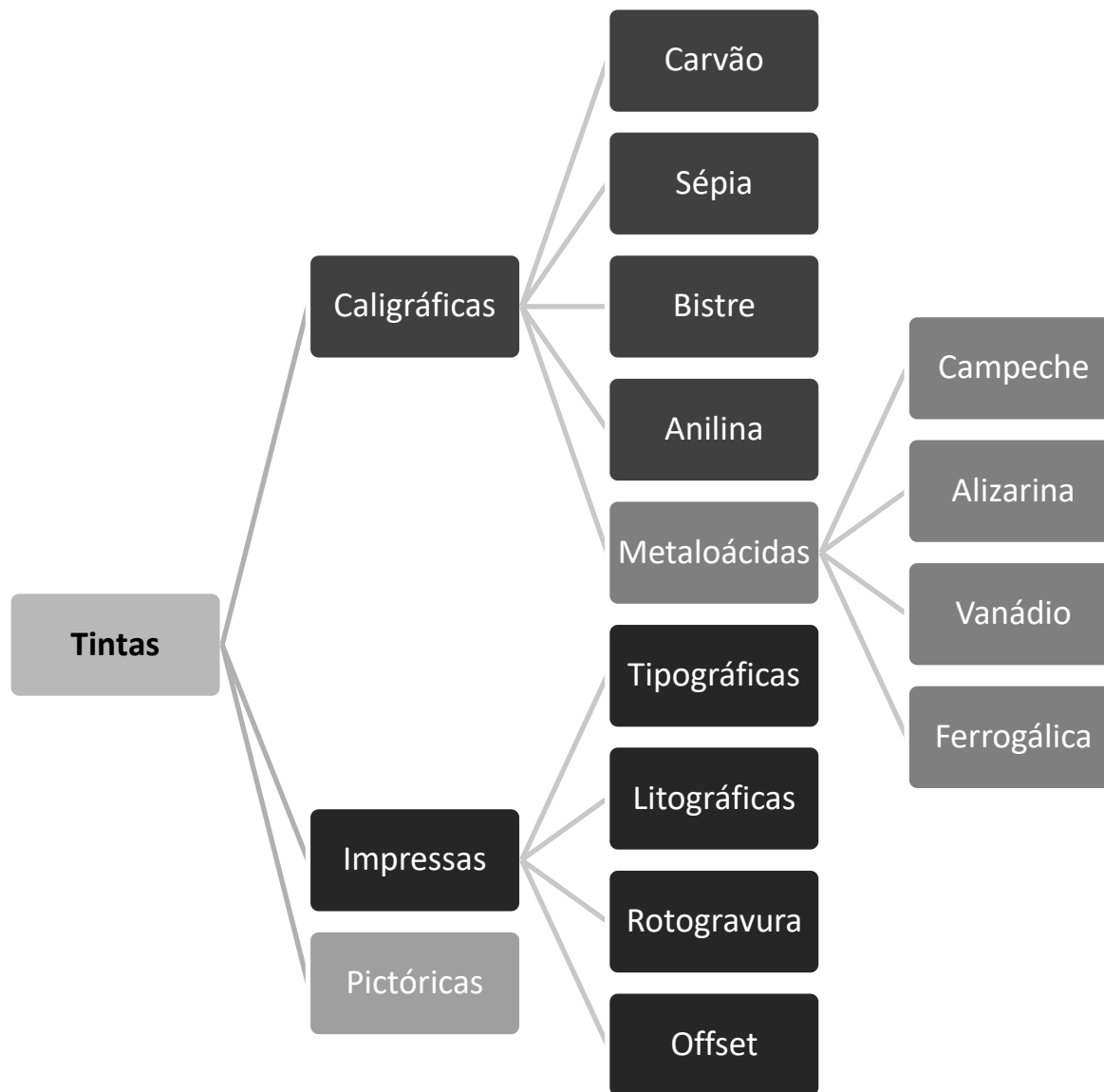
Penetrante

Anticongelante



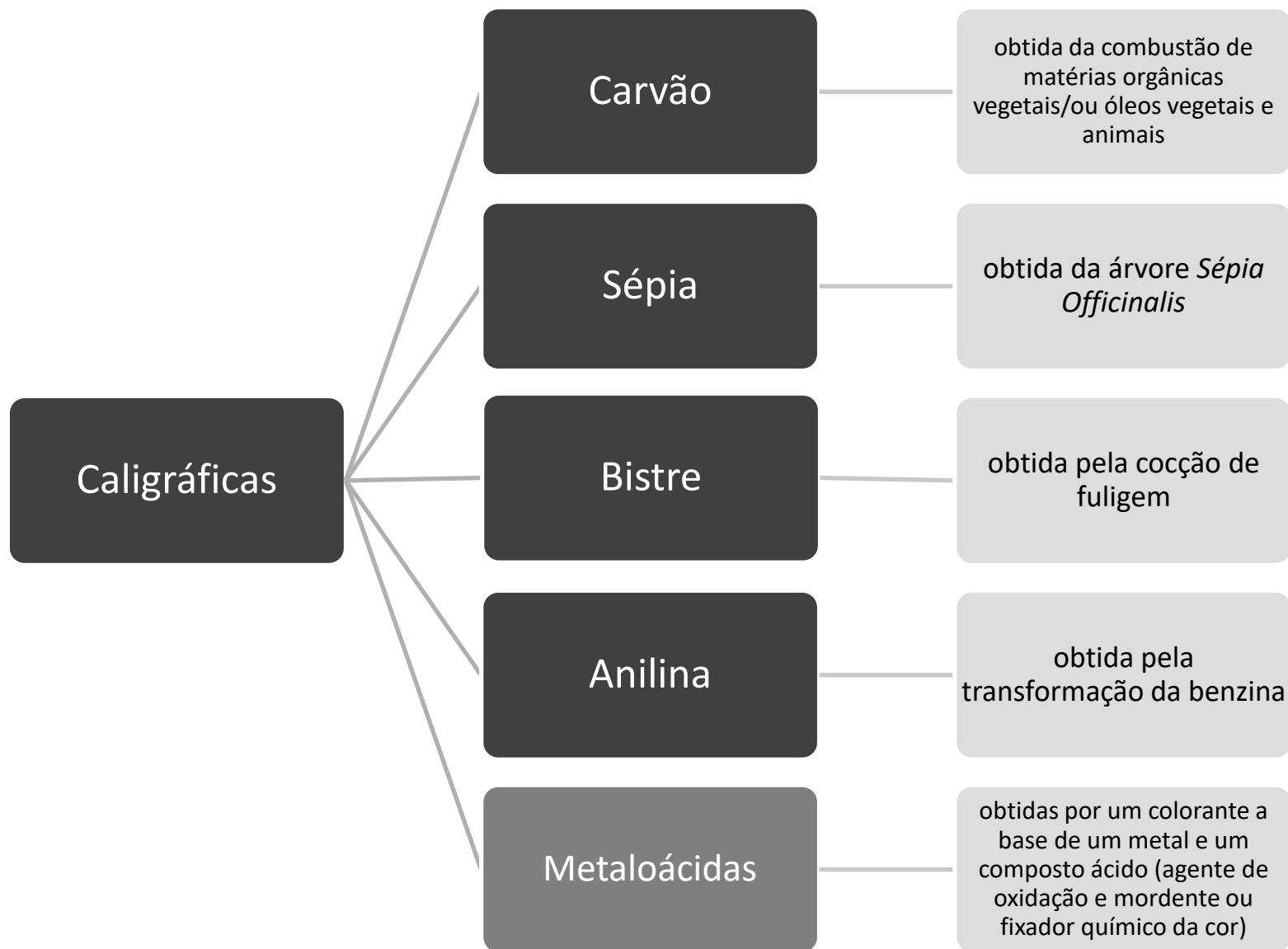
Estudo 12 fragmentos de papiros egípcios.

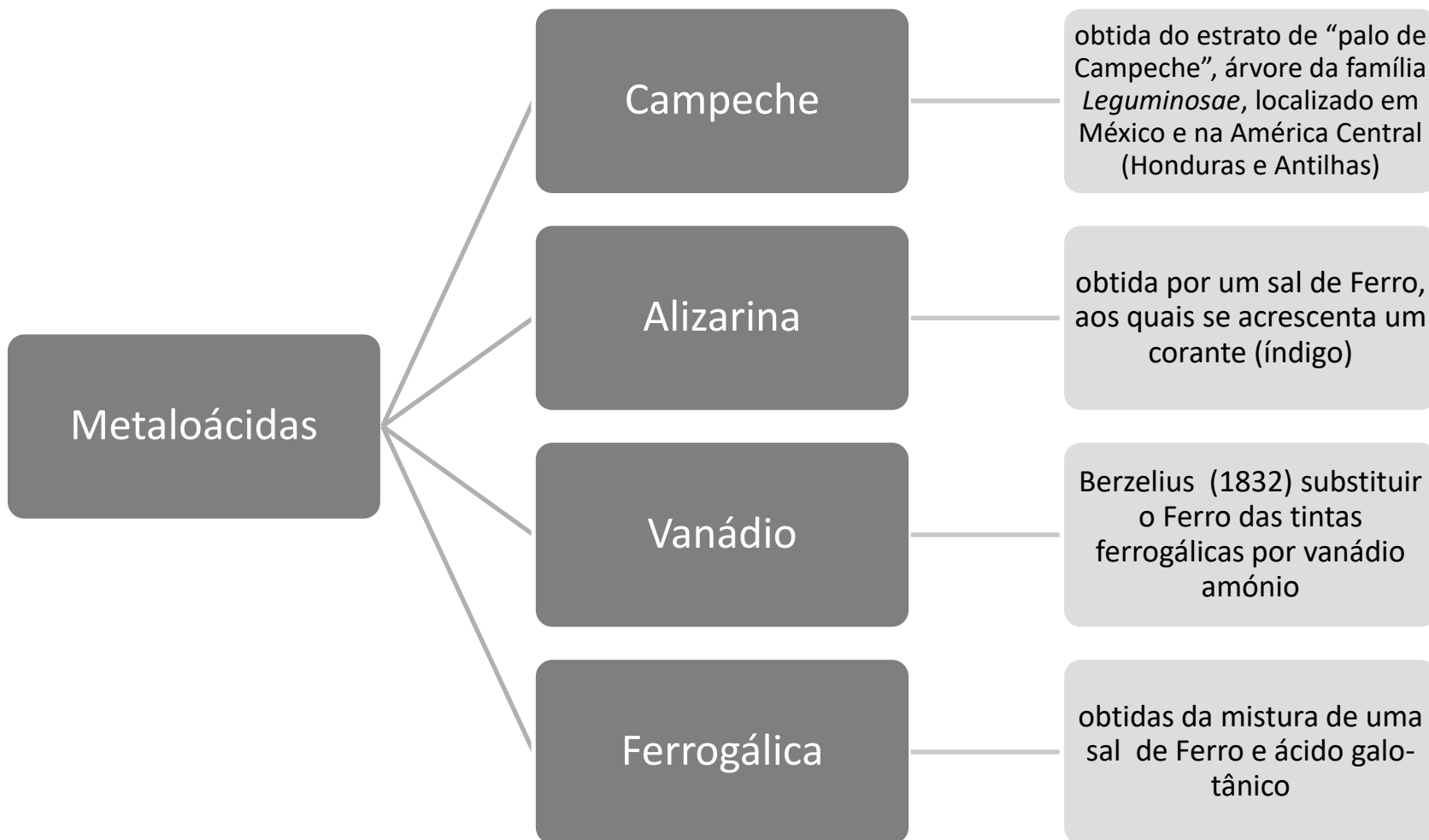
Mapas de fluorescência de raios-X mostrando ferro (vermelho) e chumbo (azul) na tinta vermelha. Créditos: Coleção de Papiro de Carlsberg / ESRF (<https://universoracionalista.org/pesquisadores-decifram-os-ingredientes-secretos-de-uma-tinta-egipcia-antiga/>)





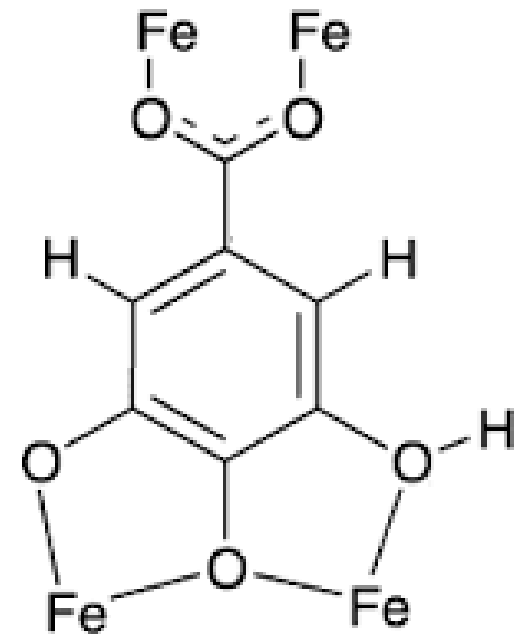
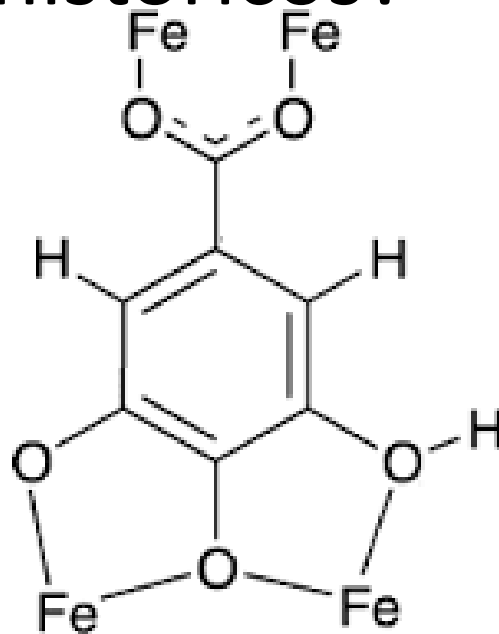
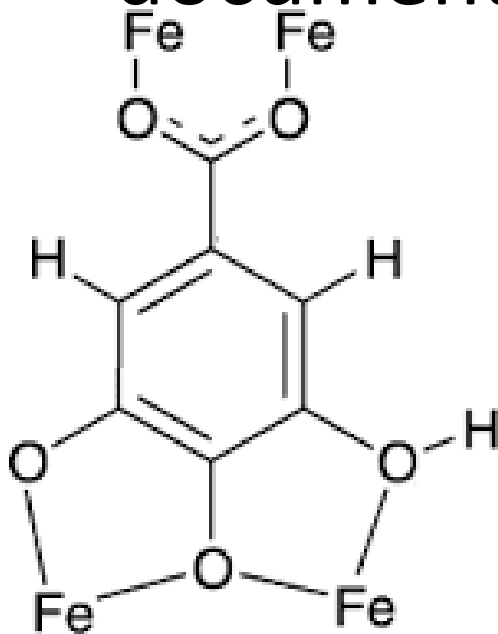
Gravura 1812 e xilogravura 1573 – 1619, representação da produção de tinta na Índia e na China.







Quais são as substâncias mais utilizadas na caligrafia dos documentos históricos?





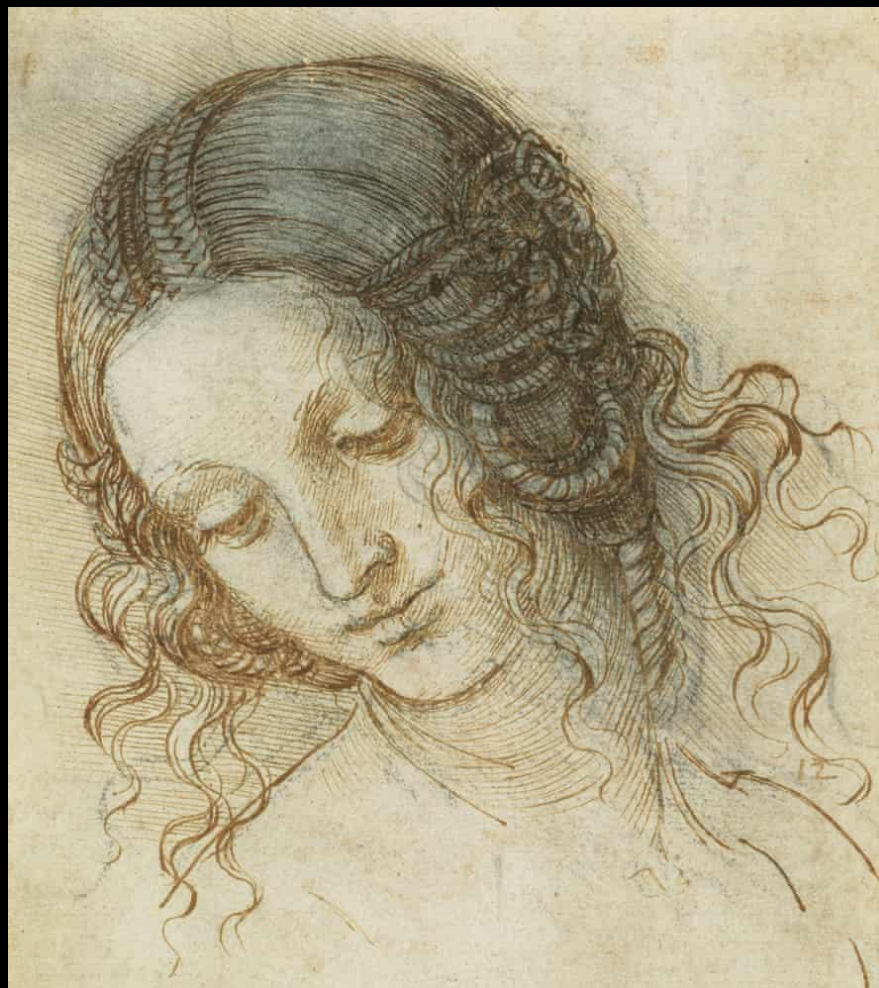
- Antecedentes tintas de carvão (2500 a.C)
- 'Naturalis Historia', Plinio el Viejo (23-79 d.C.)
- 'Tinta sapateiro' (mundo romano)

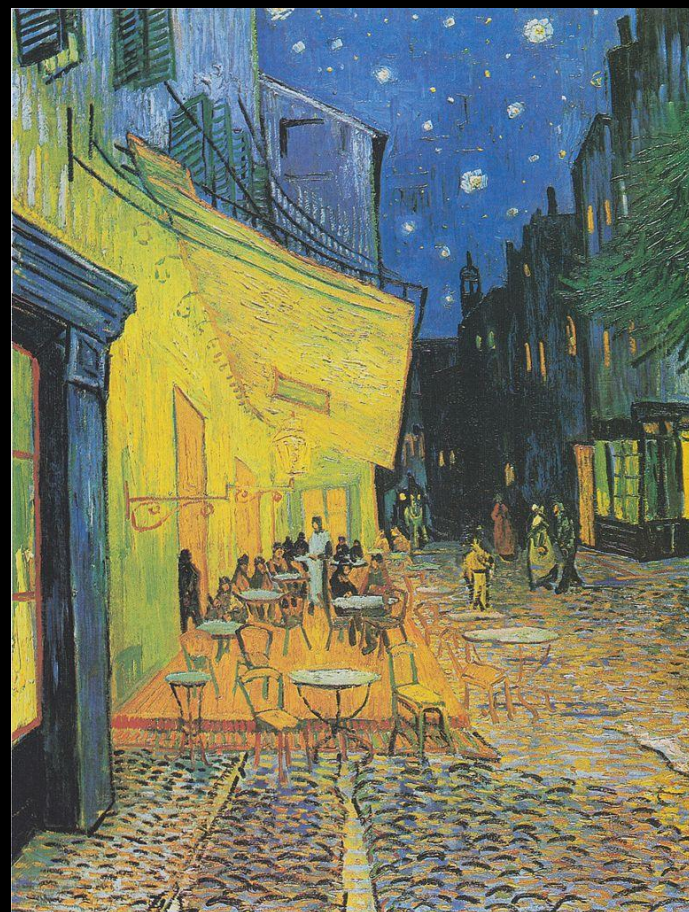
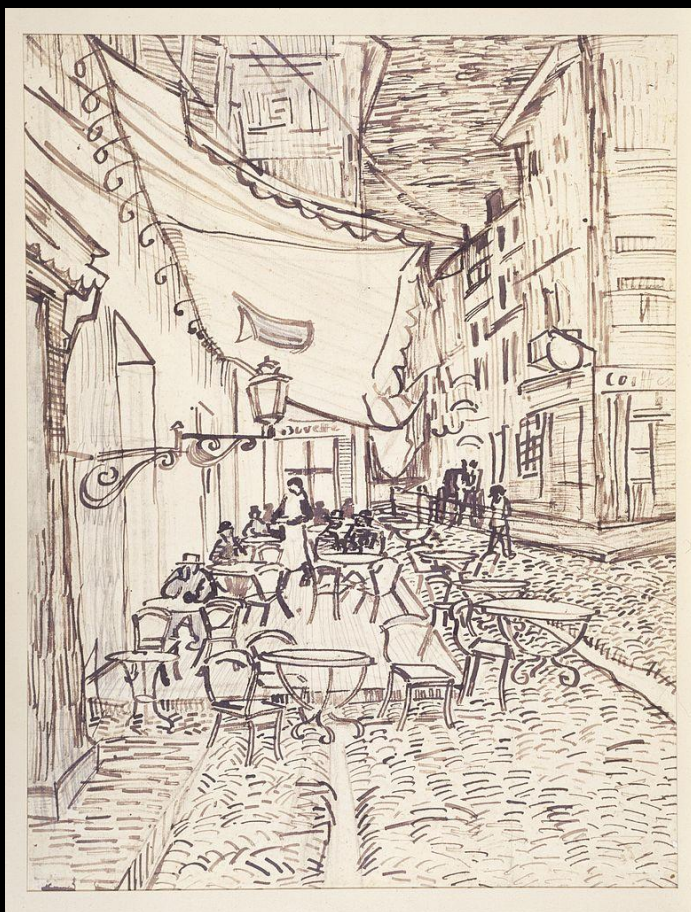


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Sal de Ferro

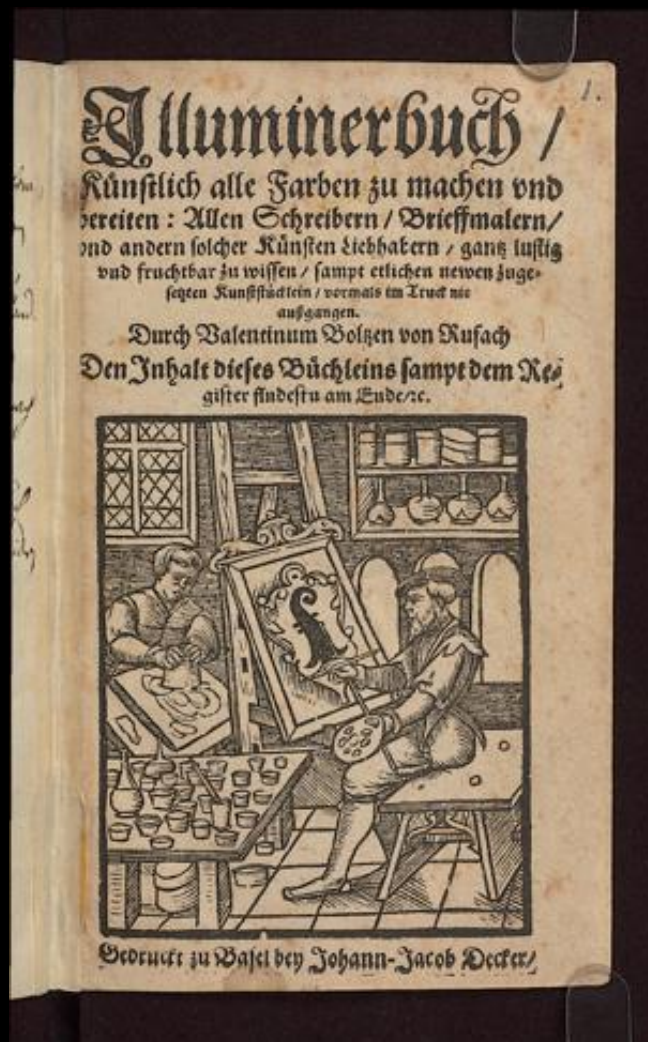


Goma arábica

Sulfato ferroso + Ácido galotânico (taninos) + Goma natural

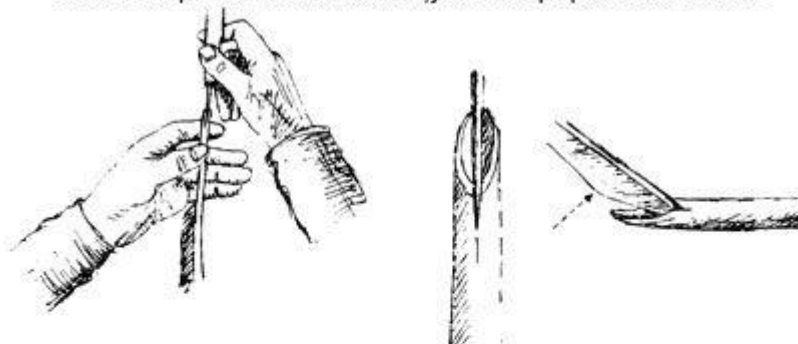


O segredo da receita da Tinta de Fe

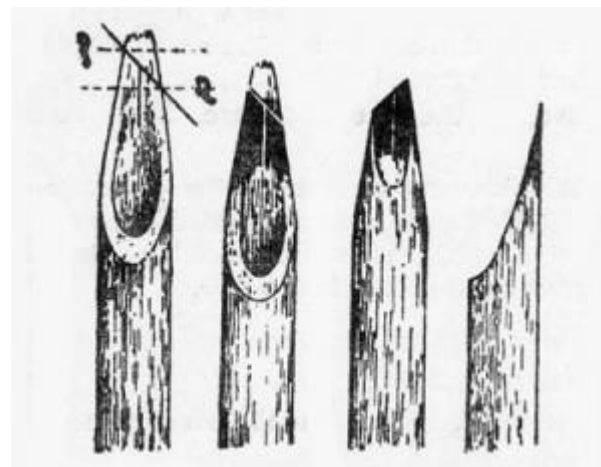
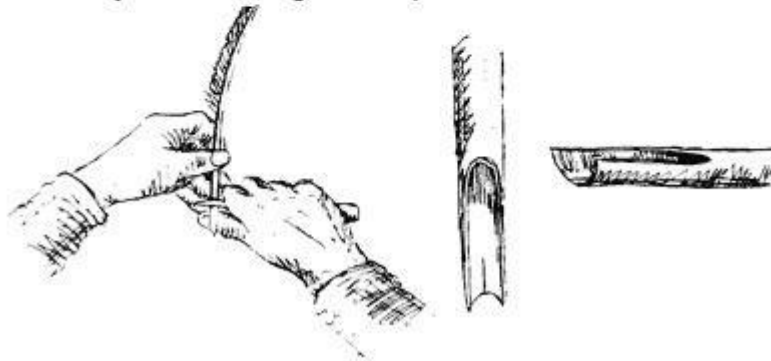




Paso 3.-Limpiar la membrana interna,y hacer un pequeño corte vertical.



Paso 4.-Recortar un poco la punta para que no quede tan afilada,
y limar el corte diagonal hasta poco más o menos la mitad





“Poz p.^a tinta de Holmão”



Holman's London Ink Powder for Records

HOLMAN'S

INK

FOR



LONDON

POWDER

RECORDS

Publiſh'd by his MAJESTY'S Patent under the Great Seal of ENGLAND.

WHICH being found by Experience of many Thousands of Persons (here as well as in foreign Parts) to be most excellent for making the best Black Writing Ink, for the general Convenience of all Persons in City and Country, and at Sea, being of great Use for Gentlemen, Merchants, Attornies, or others that Travel, it being not Cumberſome, or liable to those Miſchances as other Ink is, and the Party carrying this with him, is supply'd with the best Ink, where ever he comes, you may make as much or as little as you please presently, as the Direction underneath shew. And it has these excellent Properties, that it does never greaſe or clog the Pen as other Ink does, which is very troublesome to the Writer; for in Summer, Rindlets and Bottles of Ink dry and thicken exceedingly, before many can use it. When Ink freezes and spoils, this may be made with a little Brandy or other Spirits that will not freeze. If you have any weak or pale Ink, by adding this Powder to it, you may make it as black and as strong as you please. This Powder decayeth not by keeping, and is refin'd from that poisonous Nature that causes Ink to turn Yellow. And Note, that the best Record Ink has no better Ingredients in it then this; for if your writing on Letters or Parcels comes to extremity of Wet, it alters not your Writing or Directions, as other Ink will, which causes many Letters and Parcels to miscarry by bad Ink, to the great hindrance and loss to many in their Business. For if any Writing of this Ink lie soaking in Water a Month together it will not alter, but remain as long as the Paper or Parchment endures.

To make this POWDER into INK presently.

TAKE one pint of Water (whereof Rain or River is the best) to one paper of Powder, and in proportion for a smaller Quantity, shake or stir it well together, and it is presently useful, and tho' it seem pale when new made, it changes blacker and blacker, as it dissolves, and grows better, and better, 'till 'tis a beautiful black to Admiration, which when (after some Days or Weeks shaking) well dissolved and settled, is proper in Summer to be rack'd off, and preserved with daily stirring; if you make a little by guess, and find it too weak, add more Powder; if you find it too thick, add more Water at your pleasure, letting it have Air. And for more common Writing each Paper makes a pint and half.

The Powder is sealed up in Sixpenny Papers, with the Maker's Coat of Arms, as above, being new two Ounces, and sold by most Stationers, Bookfellers and Haberdashers in London and many eminent Shopkeepers in several of the chief Cities and Towns in England.

This Powder is very convenient for those that carry or send Ventures to Sea, yielding there good Profit, being the best of all in general that use the Pen.

Note. Any shopkeeper may be furnished by me, the Maker, Alice Holman, Daughter of Charles and Jane Holman, still living in Red-Lion-Street, against the White Hart Inn in Southwark, with whom is left the Patent granted by his Majesty under the great Seal of England, for making the same. And which is made to as good Perfection as ever. Unless you ask for it in her Name, on the Word of the Dealer, you are liable to be deceiv'd. She also makes the best Liquid Ink, and fine Pounce.



The London Ink Powder
Is Made and Sold by Charles
Holman Habidasher in Red-
Lion-Street against the white Hart
Inn in Southwark he having his
Maje^{ty}s Patten^t granted him under
the Great Seal of England for
making the same

Holmans London
Ink Powder.



Williamsburg Gazette: anúncios de tinta em pó



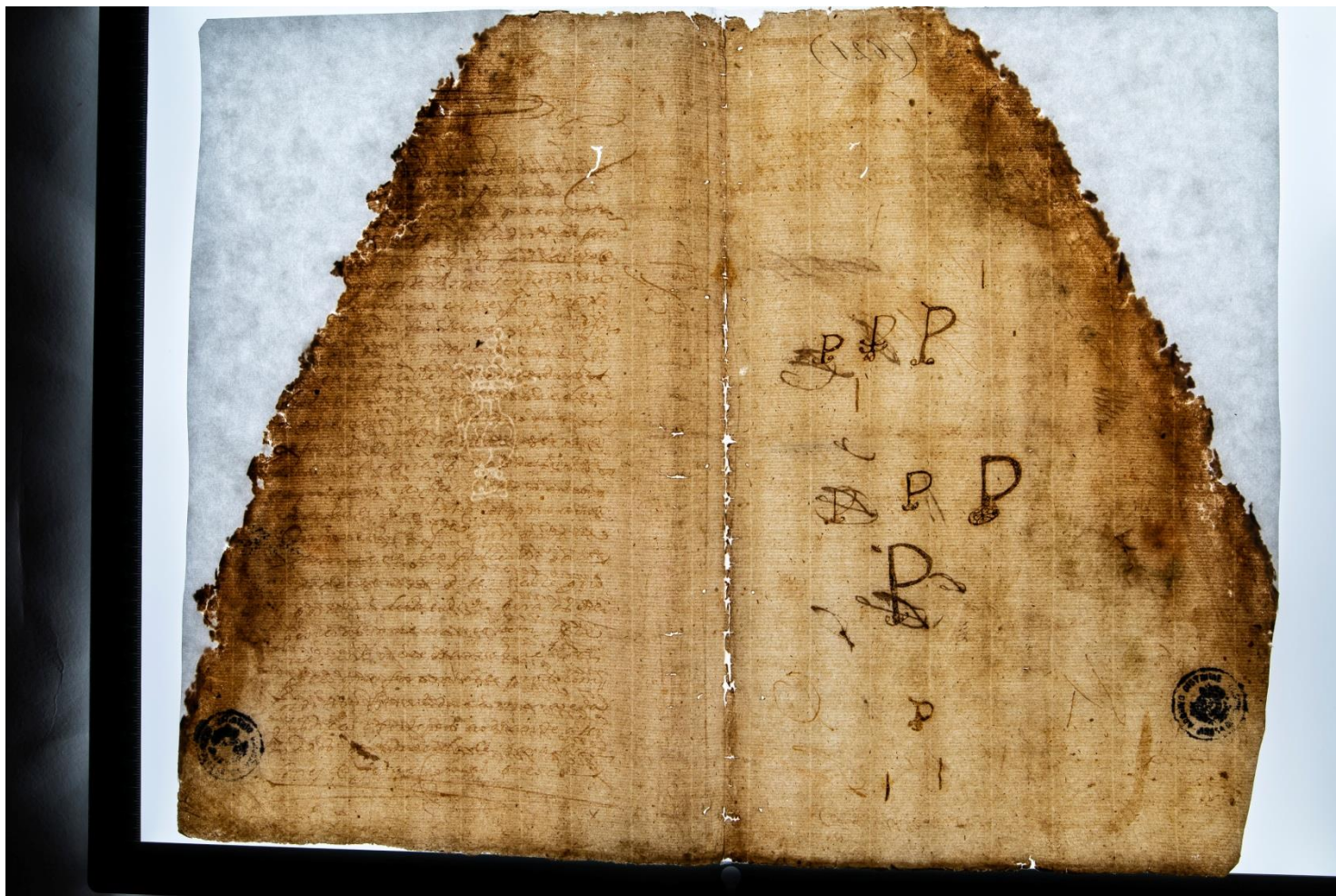
A *Williamsburg Gazette*, publicação periódica setecentista da colónia da Virgínia, continha frequentemente anúncios de tinta em pó

Thaddeus Davids: The History of Ink



Thaddeus Davids (1810-1894) foi um empresário nova-iorquino que, em parceria com os seus irmãos, construiu uma das maiores empresas produtoras de tinta no mundo;

Em 1860, publicou o livro *The History of Ink, including its etymology, chemistry, and bibliography*





do thier seguinte. N. L. J. da Rocha Coelho, p
do Jure da Rocha, 26 annos no sentor Praça, co
do pretos, outras passadas, natural da Freguesia de
Pedro, trabalhador, solteiro, assenteu Praça N. e
2 de Junho de 1824 por outro vice com passagem
do extinto Regimento de Milicias d'Angola, p
este Batalhão extinto na sua creação em
de Janeiro de 1825, digo, vice com passagem
Batalhão de Lisboa, para a dito extinto de
mente em dito, para este Batalhão em 12
Janeiro de 1825, desistiu em 3 de Outubro
1828, succedido despois a Dist. attuo a dito
e nada teve a Real Fazenda, teve licença
Desitor na forma do Regulamento, em
1 Abril de 1829, passou a novo assento a



A qualidade das tintas







dos captivos em virtude dos alvaras de J. St. fol. 11. 15. 212. 2.
 do Sr. D. João de. q. esta em gloria fol. 15. Era forma dos Cap.
 18 fol. 15. por quanto adita com a velleza com
 fol. 145. em June 25. 2. 3 fol. 145. 24. ao alvaras de meu foy
 Andre Ditz da Costa que por ser notoria m. Louloza e Guada,
 os Alvaras e sobre os executivos como delli e na admissi
 bello de. fol. 145. 25. que se passou a fol. 9. 15. 26. 2.
 Dez. da Comand. do Sr. M. D. de M.
 fol. 7. propto o seu m. alvaras que dei resposta a fol. 8. de
 fol. 11. com os do lum. q. nos do alvaras re.
 Caridos Cap. 16. e o traiz q. se con. em. de fol. 19. e a q. mado
 o Cap. 17. de m. q. se mandam executar as appellacoes
 e as interdictas aos Mamestros. nas de os Dez. da C. de
 dos captivos e Sezidos ut fol. 13. 25. e m. os m. dados em
 favor dos Mamestros. nas contra alguns Com. em
 quizeram tomar e. delli como fue de fol. 20. de fol. 24.
 sendo o alvaras sobre. m. no Sr. Dez. M.
 de M. Comand. de com os do alvaras. e Regim

Arquivo Casa dos Condes da Praia da Vitória

Getialando Cap. 366
Regras para a casa
de Praia da Vitória

[Handwritten text in a cursive script, heavily obscured by large, irregular brown stains.]

Cap. 366




para a casa
de Praia da Vitória
que se compoem de
XVIII

[Handwritten text in a cursive script, heavily obscured by large, irregular brown stains.]



Arquivo Casa dos Condes da Praia da Vitória




O Conde da Praia da Vitória e sua con
sorte desta cidade, requer a V. S.ª mandado
também a pena cabível, para se fazer no
seu nome desta freguesia, que for designada a
forquim por Santo António e sua mãe de São
que era de Santa Luzia desta mesma cidade
de a fins desta to fazer-me a quantia de tre
ze mil quatrocentos e quarenta e seis mil
reis e três oprimos de Novembro de 1869. Se
uma coisa não se fizer a prazo de seis me
zes de Santa Luzia de São António e as requisi
ões se fizerem o dito foro anual no termo de
nos annos futuros, tanto quanto se fizerem.
C.ª de S.ª

Cláusula para o dia 15 de
avosto por de 18 me de
avosto. Ag.ª de S.ª
11 de avosto de 1869.

C.ª de S.ª

D. H. S. Mano Leão
fuij do Pas do Guatubá da
Comunidade desta mesma cidade.
Se S.ª for maior, para o re
quisição de nos de e fora p
a tempo em judicial.
C.ª de S.ª
11 de avosto de 1869.



C.ª de S.ª
11 de avosto de 1869.

C.ª de S.ª
11 de avosto de 1869.

C.ª de S.ª
11 de avosto de 1869.



Fountain pen/ Caneta de tinteiro ou tinta permanente /Pluma fuente o estilográfica



March 23, 1907 THE AMERICAN STATIONER 29

The CONE CAP STYLES of Waterman's Ideal Fountain Pen SHOWN IN ALL SIZES

(Cuts actual size)

WATERMAN'S IDEAL FOUNTAIN PEN PAT. MAY 23, 1906 & AUG. 4, 1903 U.S.A.

Size No. 12 Plain Black; also Chased, Mottled or Cardinal.
 Also made in sizes listed

No. 12	..... \$2.50	No. 14	..... \$4.00	No. 16	..... \$6.00	No. 18	..... \$8.00
No. 13	..... 3.50	No. 15	..... 5.00	No. 17	..... 7.00		

WATERMAN'S IDEAL FOUNTAIN PEN PAT. MAY 23, 1906 & AUG. 4, 1903 U.S.A.

Size No. 13 Chased, Gold-mounted, Middle Band, 18-K. Filled.
 Also made in sizes listed

No. 12, G. M. M.	..... \$1.50	No. 14, G. M. M.	..... \$5.00	No. 16, G. M. M.	..... \$7.00	No. 18, G. M. M.	..... \$9.00
No. 13, G. M. M.	..... 4.50	No. 15, G. M. M.	..... 6.00	No. 17, G. M. M.	..... 8.00		

WATERMAN'S IDEAL FOUNTAIN PEN PAT. MAY 23, 1906 & AUG. 4, 1903 U.S.A.

Size No. 14 Cardinal, with Clip-Cap. This colored pen used largely for red ink.
 Also made in sizes listed

No. 12	..... \$2.50	No. 14	..... \$4.00	No. 16	..... \$6.00	No. 18	..... \$8.00
No. 13	..... 3.50	No. 15	..... 5.00	No. 17	..... 7.00		

German Silver Clips add 2½c. to all prices.

WATERMAN'S IDEAL FOUNTAIN PEN PAT. MAY 23, 1906 & AUG. 4, 1903 U.S.A.

Size No. 15 Gold-mounted, Chased Bands, with Clip-Cap (also with two plain bands as on No. 13).
 Also made in sizes listed

No. 12, G. M.	..... \$1.50	No. 14, G. M.	..... \$5.00	No. 16, G. M.	..... \$7.00	No. 18, G. M.	..... \$9.00
No. 13, G. M.	..... 4.50	No. 15, G. M.	..... 6.00	No. 17, G. M.	..... 8.00		

Gold Filled Clips add \$1.00 to all prices; Solid Gold Clips add \$2.00 to all prices.



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<https://www.cultpens.com/news/q/date/2020/11/02/the-history-of-the-fountain-pen>

Roller ball/ Caneta esferográfica/Bolígrafo

https://pt.wikipedia.org/wiki/Ficheiro:Bol%C3%ADgrafo_marca_birome_1.jpg

Nuevo útil para escribir

Stratopen
"Birome"
MARCA REGISTRADA

Nueva palabra para definirlo
Esferográfica



Automática y
escribe con tinta



- Siempre cargada
- Escribe con punta esférica
- Se cae en el acto
- Permite hacer muchas copias con papel carbónico.
- Única para la aviación
- La tinta es indeleble

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MODELO STANDARD
PLASTICO GRIS... \$ 60.
MODELO STANDARD
PLASTICO NEGRO \$ 48.



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CANETAS

*Fountain pen / caneta de
tinteiro/pluma fuente -
inícios século XIX*

*Roller ball / caneta
esferográfica/ bolígrafo -
1939*

Recarregável a
conta-gotas, pontas
de ouro

Canetas de
enchimento
automático 1890,
pontas aço
inoxidável

De base oleosa
(1939- 1950)

Com base de glicol,
corante
ftalocianina de
Cobre - azul (depois
1950)

Tinta para
rotuladores ,
sistema ponta feltro
(Japão) 1962 –
(EEUU) 1965

Canetas de tinta de
gel (Japão) 1980 –
EEUU (1990)



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Comunicação: Anahí Meyer Riera e João Félix
Suporte Gráfico: Gonçalo Simões

V- 2022