

BITTER PILLS AND STRONG DROPS

The exhibit is a story about drugs, told from a pharmacist's point of view.

The aim with the exhibit is to give you a trace to the humanity's incessant searching for new and better drugs against our illnesses and pain.

It is, of course, impossible to show all drugs and their use. I have chosen my most important and appropriate wide range of philatelic items to illustrate the story and some selected drugs.

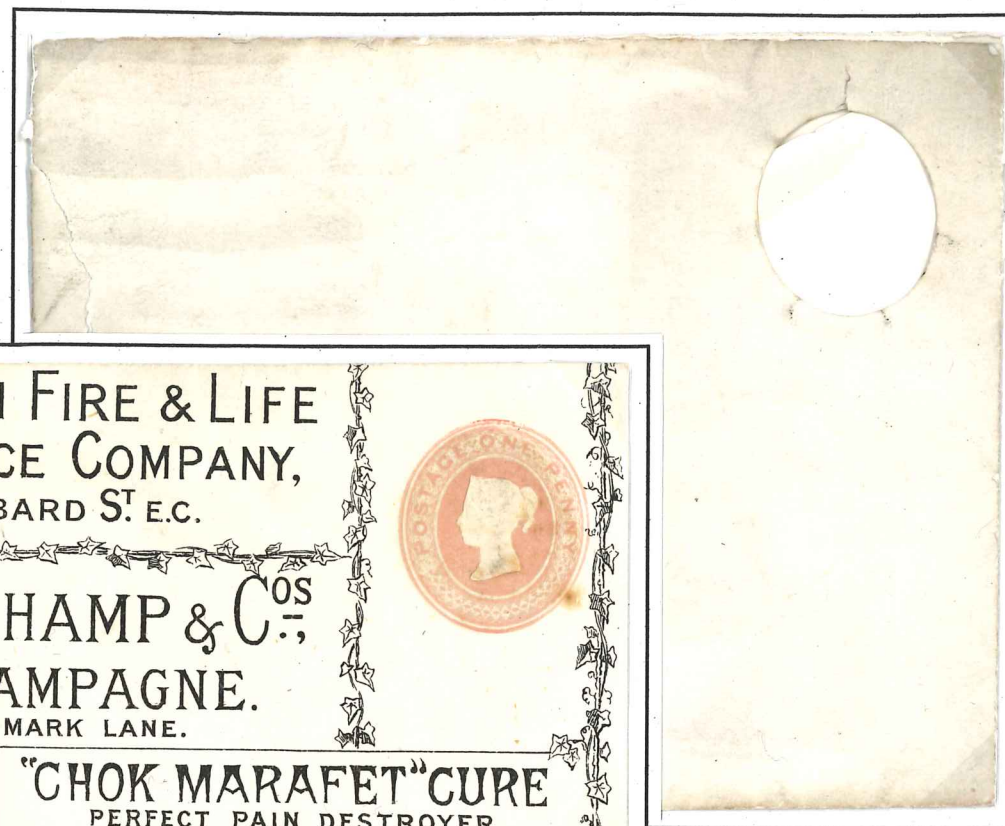
Most of the drugs for a very long time were claimed to be used against nearly every disease. But the ingredients were often secret, the effect was usually doubtful and unproved, and some may even be harmful.

The scientific and industrial revolution created a lot of new drugs. Pre-packed drugs sold "over-the-counter", without a doctor's prescription, flourished and were announced without inhibitions. An example is "Chok Marafet" Cure.

But useful "modern" drugs were developed. An example is Aspirin (containing acetylsalicylic acid): one of the most widely used drugs in the world, now mainly used to prevent blood clots.

Drugs contribute to the increase of life expectancy. But in spite of innovations the traditional medicine have got a new era, and you will see that the story ends like it started and it will never end!

1d. unused advertising postal stationery envelope (1881-84). Plain envelope with cut-out space for Queen's head and insert with embossed 1d., printed advertisements and space for message.



GUARDIAN FIRE & LIFE ASSURANCE COMPANY, 11, LOMBARD ST. E.C.

BEAUCHAMP & CO^S CHAMPAGNE. 61, MARK LANE.

GROSSE AND BLACKWELL SOHO SQUARE, W.

"CHOK MARAFET" CURE
PERFECT PAIN DESTROYER
AND HEALER OF MARVELLOUS RAPIDITY
DISCOVERED BY DR. J. MORTON. 1877.

THE ONLY PERFECT CURE FOR
DIPHTHERIA AND ASTHMA
IN THE WORLD.

For remarkable cures of BRONCHITIS, SORES, BURNS, SPRAINS, &c. &c. &c. SEE TREATISE & 10 YEARS TESTIMONIALS, Post free from
T. B. MORTON & CO
23, 24, & 25, BILLITER ST LONDON. E.C.

From doubtful panacea drugs as "Chok Marafet" Cure ...

... to scientifically developed modern drugs as "Aspirin".

Ce soir, n'oublions au
Château avec "Leuk de
Beveren" Le P. Bosman
pour quelques jours à
Bath, jusqu'à dimanche
probablement. Les enfants
sont très bien, grâce à Dieu.

PUBLICITEIT AN PROFIT DES EMPLOYÉS CHOMEURS
PUBLICITEIT TEN VOORDEELE DER WERKLOOZE BEDIENDEN

ASPIRINE

CONTRE
GRIPPE
RHUMATISMES
REFROIDISSEMENTS
MAUX DE TÊTE, etc.

Carte postale with handwritten text and a blue 50-cent stamp. The address is Contesse A. Le Guelle, Drijboek Hof, Puppe.

| | |
|---|----|
| 0. Introduction to the Exhibit, the Plan | 1 |
| 1. Man needed Cures ... | 13 |
| a) ... since the Beginning of Time Drugs were highly influenced by Magic and Religion ... | |
| b) ... to the Birth of Medical Science. | |
| c) A Medical-Pharmaceutical Revolution ... | |
| d) ... Drugs from the "new" World ... | |
| e) ... and Knowledge about Infectious Diseases ... | |
| f) ... intensified the Research for Drugs | |
| g) And the Study of Effects and Use of Drugs was called Pharmacology | |
| 2. And together with Drugs based on Empiricism and Tradition ... | 9 |
| a) ... by the use of Plants ... | |
| b) ... but also Animals give valuable Drugs ... | |
| c) ... as well as Minerals | |
| d) And this Study was called Pharmacognosy | |
| 3. This resulted in a lot of Drugs, for example ... | 16 |
| a) ... to be used in the Surgery, | |
| b) ... to fight against Infectious Diseases, | |
| c) ... to be used against Respiratory Diseases, | |
| d) ... to be used at Malnutrition Conditions, | |
| e) ... to fight against Digestion Diseases, | |
| f) ... Diabetes, | |
| g) ... Cancer | |
| h) ... and to be Antidote | |
| 4. Who handles all these Drugs ? | 9 |
| a) A Pharmaceutical Profession derived ... | |
| b) ... by using Textbooks | |
| c) ... Tools and Equipment to prepare Drugs | |
| d) ... and sell the Drugs in the Pharmacy | |
| 5. From the Pharmacy to the Pharmaceutical Industry ... | 10 |
| a) ... by Advances in Technology ... | |
| b) ... to the Establishment of Pharmaceutical Companies | |
| c) The Creation of new Proprietary Drugs became overwhelming ... | |
| d) ... this required Public Regulations | |
| e) The modern Scientific Industry became the Main Inventor of new Drugs | |
| f) ... together with some Public Companies | |
| 6. Despite of new Drugs, Man still needs Cures ... | 6 |
| a) ... because not all Drugs act or are used as planned | |
| b) ... increased Knowledge makes new Requirements | |
| c) ... by use of Homeopathic Drugs | |
| d) ... and Traditional Medicine | |

In the Primitive Cultures ...

... since the origin of mankind ...



Accepted artwork for issued stamp. Watercolor on posterboard with acetate overlay for lettering measuring 12 x 16 cm.

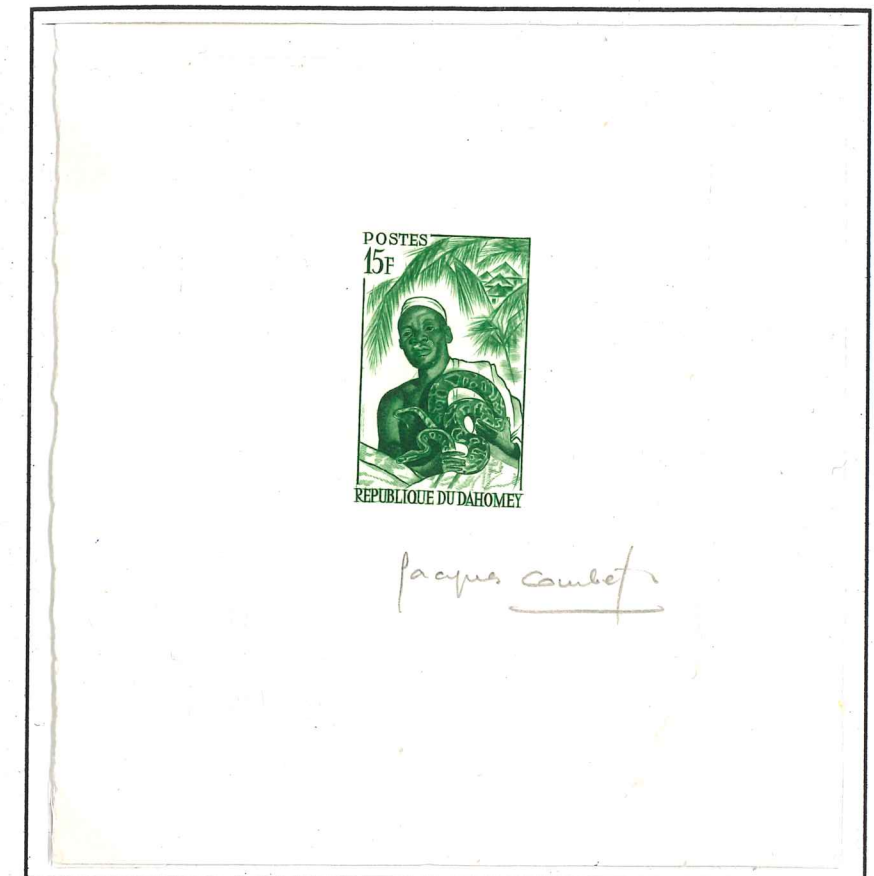
Proof in deep green signed by the engraver Combet. Issued stamp in brown, chest and turquoise.



... there was no distinct border between using magic, religion ...

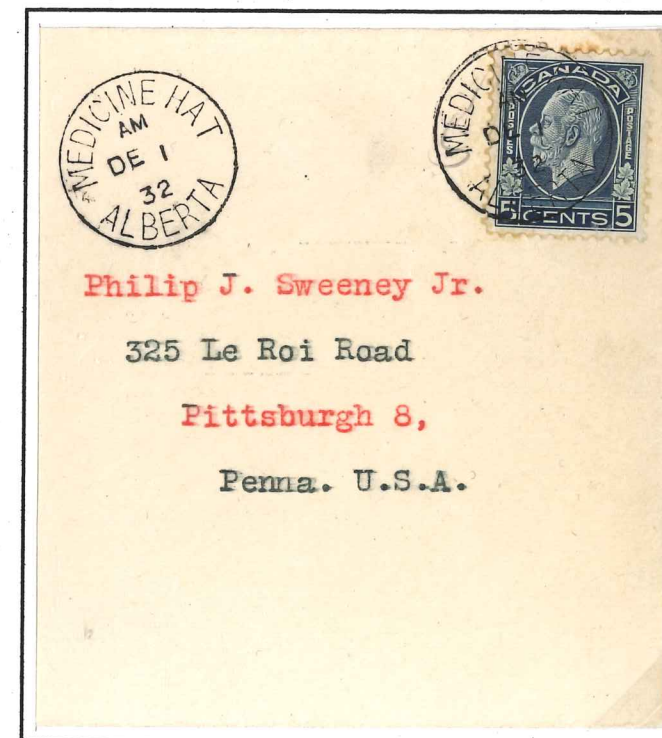


... and more rational methods in the fight against diseases and pain.



It was practiced by witch doctors and ...

The cancellation "Medicine hat" was named after an indian medicine man.



... medicine men. The experience led to a form of medical practice.



Proof in black signed by the engraver Combet. Issued stamp in yellow, red and brown.

Drugs, as Thoningia sanguinea, often claims to be able to cure a lot of different diseases.

In Ancient China ...

The Chinese medicine is based on the philosophical system of Yin-Yang (negative-positive, the black-white symbol), and the five elements (fire, earth, metal, water and wood; the pentagon-points):



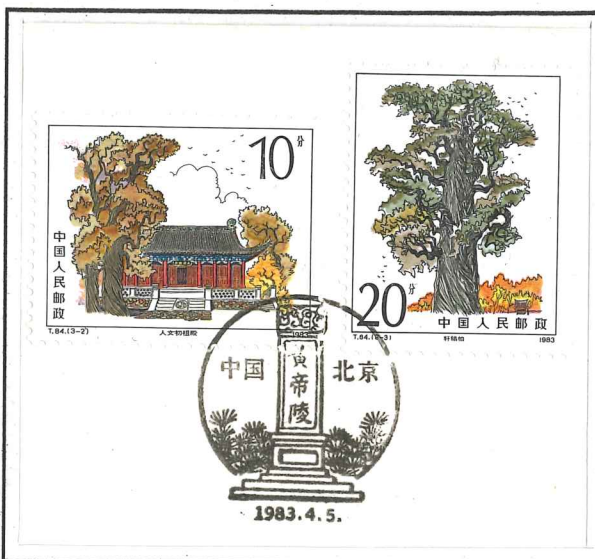
The Mausoleum of Yandi, to commemorate Shennong (Yandi):

He tasted hundreds of plants, so that he could tell what to take and what to avoid. He was poisoned by 70 of them, but found antidote and saved his own life. Regarded as the origin of Chinese medicine !

"The tiger of Shennong":



A drug dealer prescribed medicine from the skull of a tiger, used against cholera.

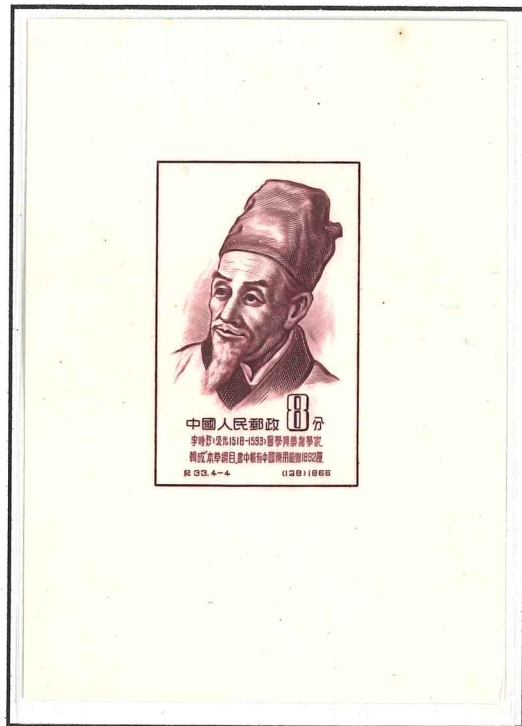


Preliminary artwork, with official remarks on the back. 10,2 x 15,1 cm pen & ink & watercolor on carton. Similar to final design (North Korea 1962).



... and to Korea. The chinese medicine were included verbatim in the encyclopedia "Uibang Yuch'wi" (published in 1477).

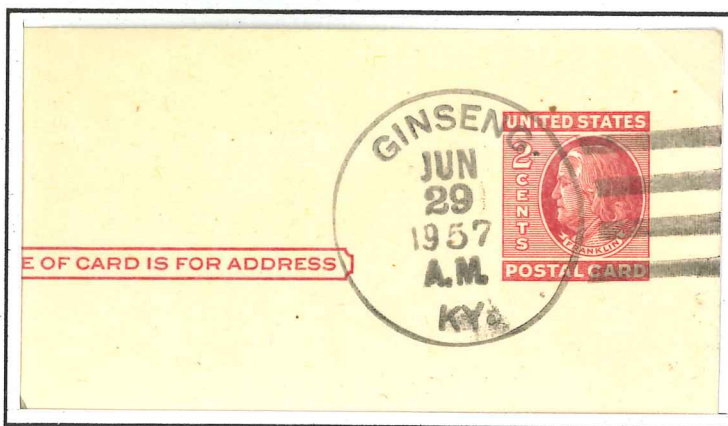
... but Li Shih-zhen's "Pen-Ts'ao Kang-Mu" (Compendium of Materia Medica) raised the Chinese medicine to a new higher level.



The proof to the left and the issued stamp below.



The perforation is totally out of order.



Ginseng claimed to enhance the natural resistance and recuperative power of the body.



The dried skin of the toad have been used for centuries against bleeding gum. Later known that the skin contains adrenaline.

Huang Di's tomb The emperor Huang Di (2698-2599 B.C.) wrote Chinas oldest medical work ...

The chinese exported the knowledge to Japan ...



Jian Chen (688-763), chinese buddhist, learned the japan-ese about drugs.

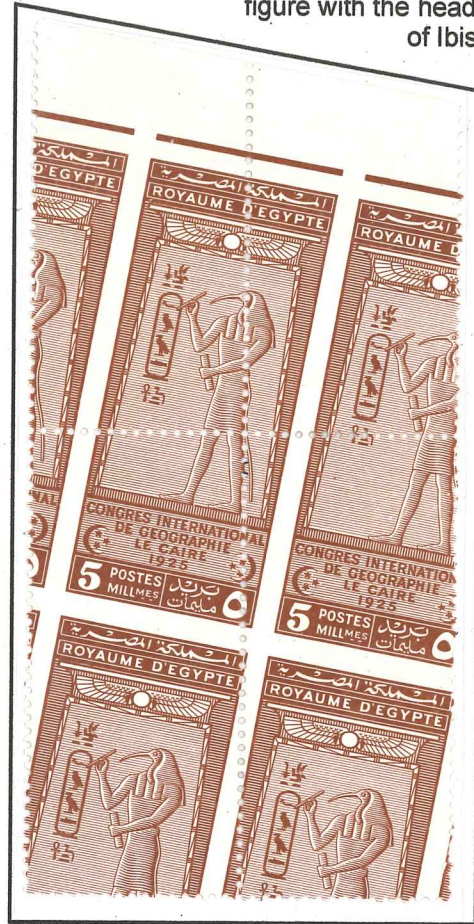
1. Man needed Cures ...

a) ... since the Beginning of Time Drugs were highly influenced by Magic and Religion

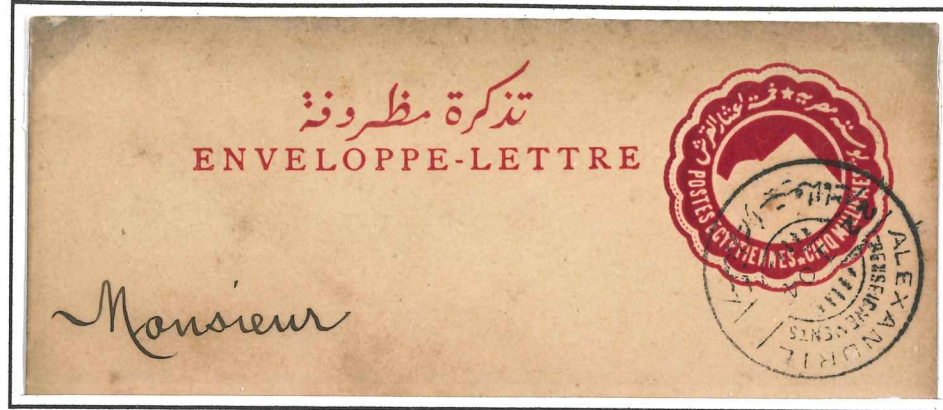
In the Old Egypt ...

... the medical deity was Thoth, a male figure with the head of Ibis.

But the Egyptians developed drugs from the primitive stadium to less magic and a more rational way of thinking, ...



Block of four with oblique perforations.



Egyptian postal stationery, 1904: Pyramid and Sphinx.

... and imported many drugs. Most famous was Queen Hatchepsut's expedition to Punt (Somaliland).



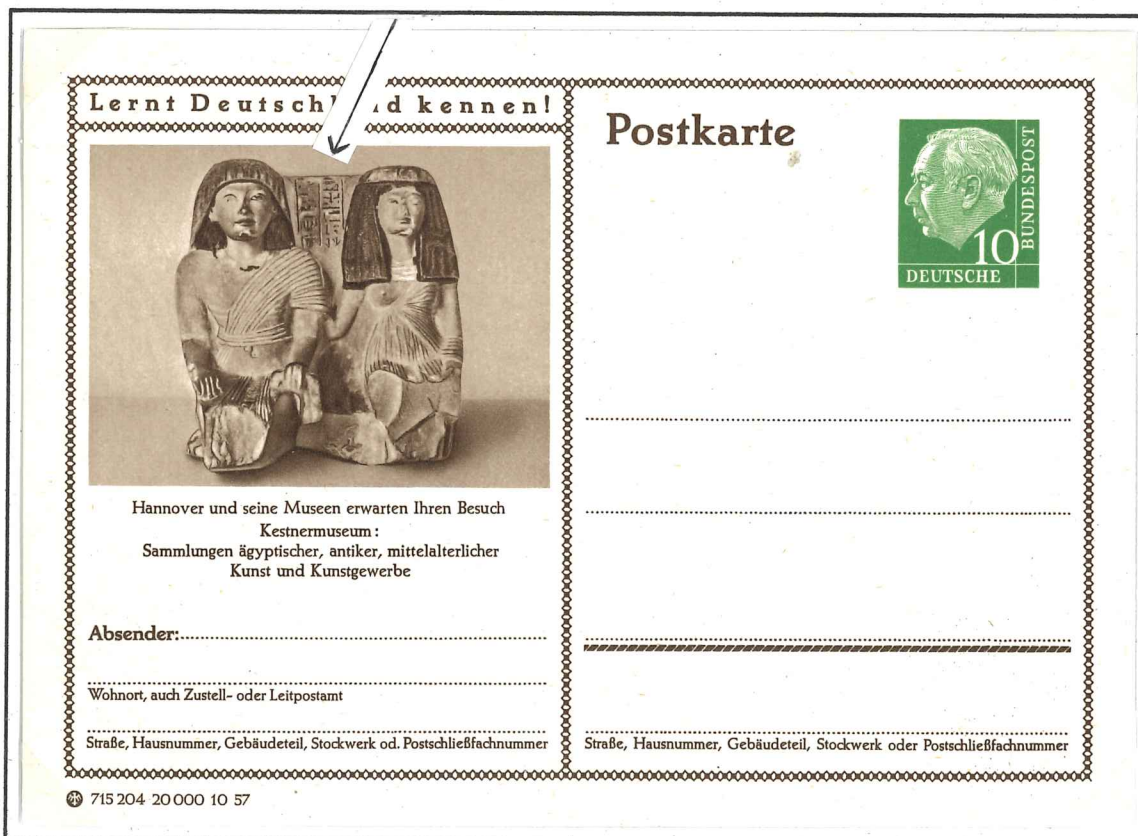
Variant: Extremely wrong perforated.

Imhotep (about 2000 B.C.) was the most famous and skillful doctor.



Variant: Extremely wrong perforated.

The medical secrets and magic formulas were written by hieroglyphs on holy papyrus scrolls.



Postal stationery showing Egyptian sculpture with hieroglyphs.



Imperforated miniature sheet as block of four, unmounted mint.



Papyrus Ebers contains 811 prescriptions and more than 700 drugs: explained use, ingredients and method of preparation, as

Variant: Extremely wrong perforated.



... drugs used for eye diseases.

Artist's proof in dark brown. Issued stamp in red.



The Aesculapius statue. He was ...

In the Greek pre-Hippocratic period the Egyptian medicine were combined with Greek myth. Aesculapius was the god of medicine. At his sanctuary, the place of healing, the ailing sought healing, alleviation and instructions on a cure.



... symbolized as a serpent with a staff.

The Hippocratic School of Medicine

Hippocrates (460?-377 B.C.): "The father of modern medicine" recommended drugs to recreate the balance of the body's fluids, e.g. ... ox-bile.



Statue of Hippocrates, mint from the corner (1947): Imperforated pair with additional inverted print.



Moldavia, second issue "Bull's Head" (1958), mint, large part original gum, signed A.Diena.

Dioscorides' "Materia medica" described more than 500 drugs.



Dioscorides (right) with a mandrake plant: used to relieve pain...

Variety: Fourfold print of the black colour. Certificate in the back.



... and recommended milk, one of the useful drugs from animals.



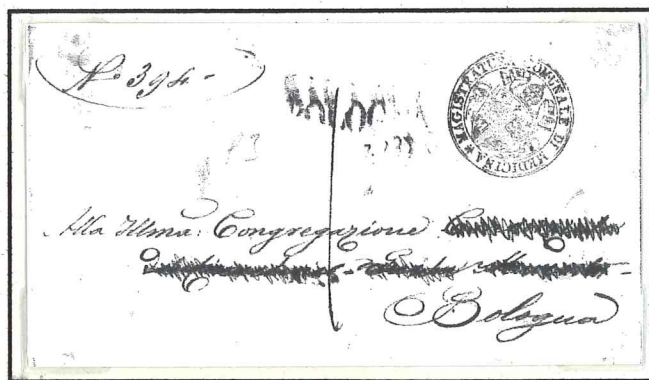
The horn of the unicorn was a highly prized drug against gout and rheumatism.



Galenus used complex compounded drugs as the famous "Theriac": the panacea for curing all diseases. It was used until late into the 18th century! The chief ingredient of "Theriac" was ...



... the serpent, symbol of rejuvenation and ...

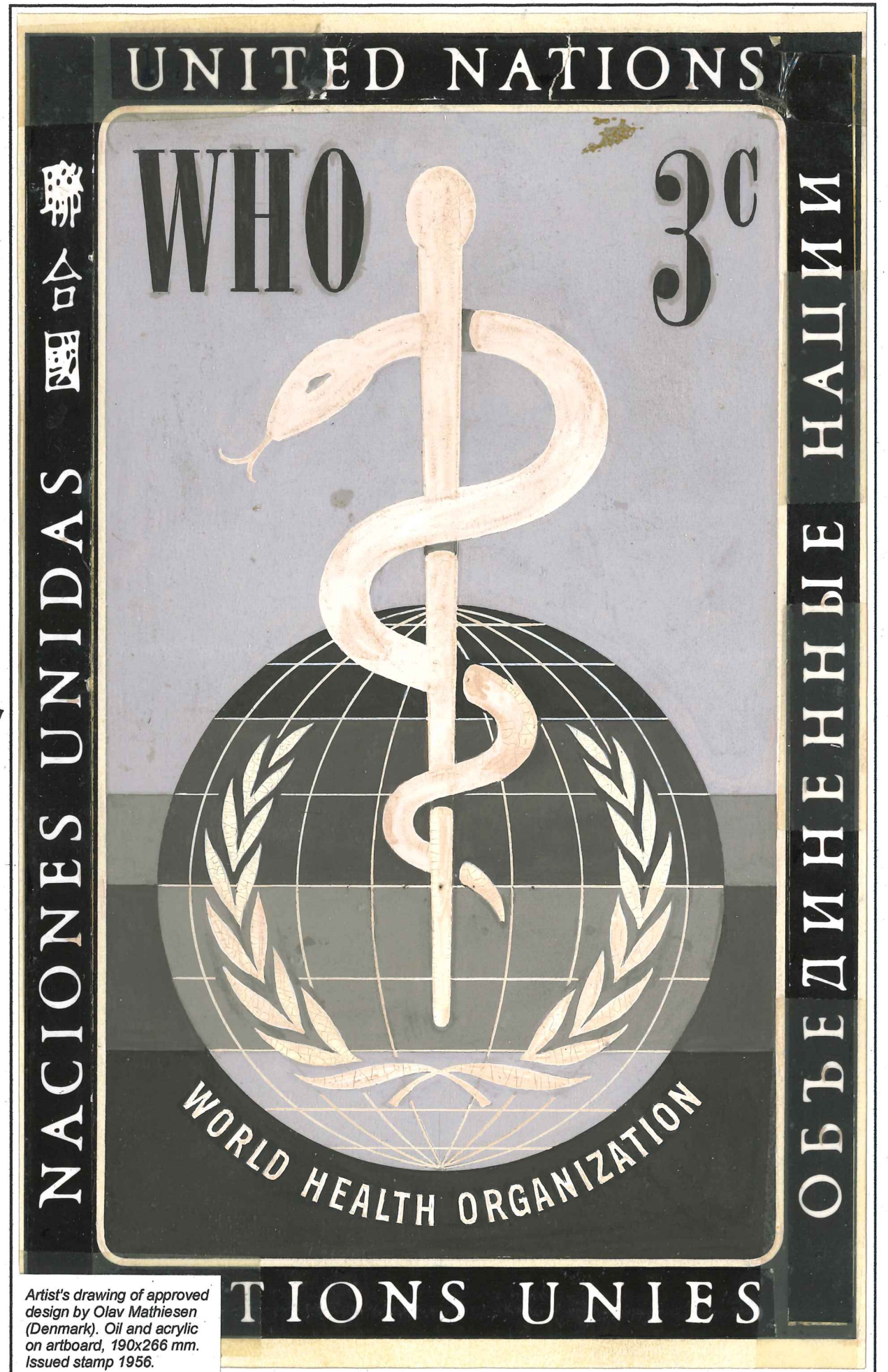


Copy (50%) of the front.

1854, letter from Medicina to Bologna. ½ Baj in horizontal pair. Arrival cancellation in the front.



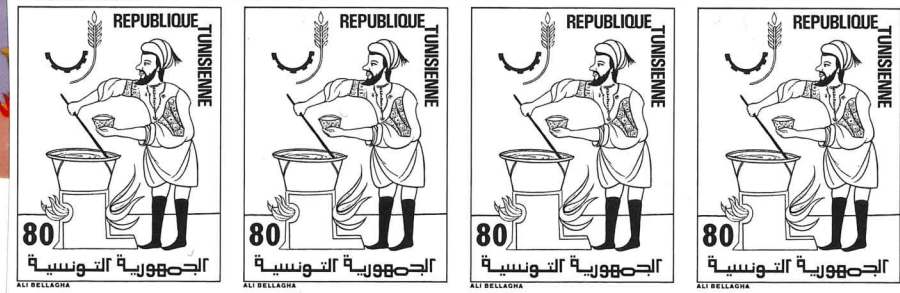
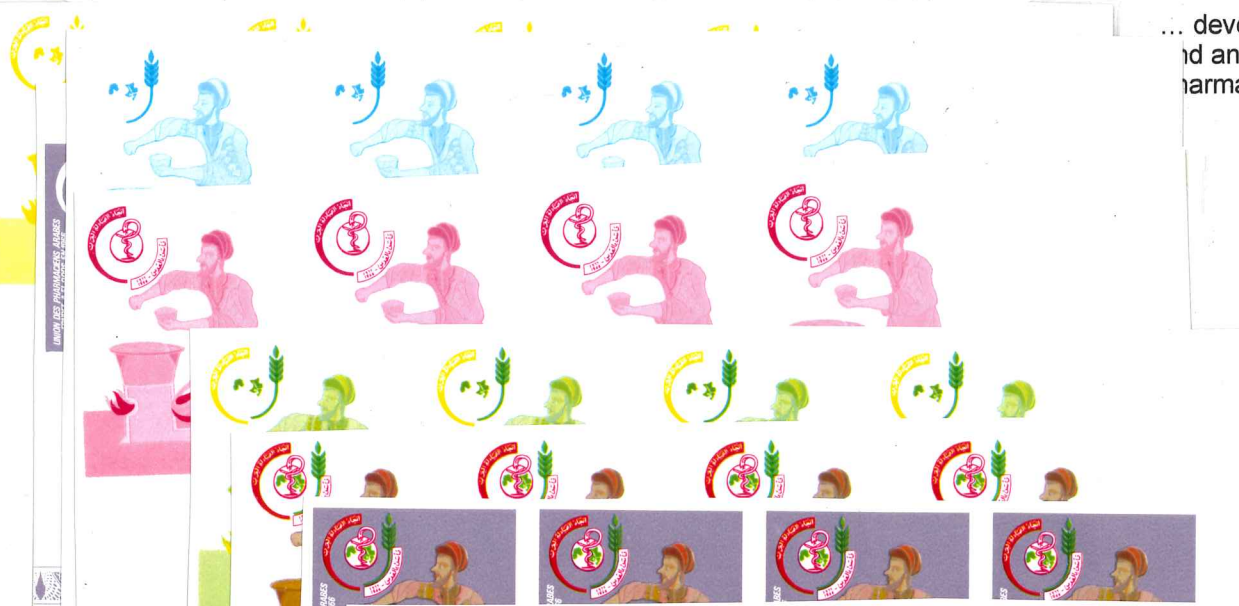
... a drug: **Medicina**, an Italian town. The origins of its name is uncertain. A legend tells that the holy Emperor Frederick Barbarossa, passing the town fell ill and miraculously recovered because of a serpent accidentally came into the pot of his soup.



Artist's drawing of approved design by Olav Mathiesen (Denmark). Oil and acrylic on artboard, 190x266 mm. Issued stamp 1956.

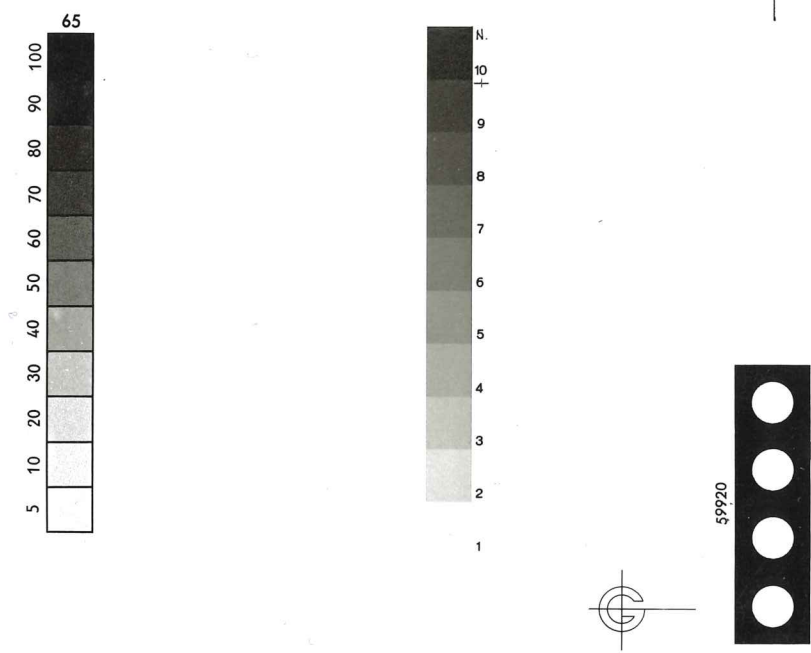
The Arabs ...

... developed the ancient and antique medicine and pharmacy further:

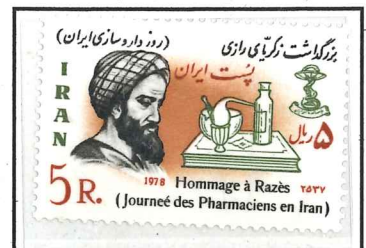


Issued stamp (1982). Complex compounded syrups became very popular, as honey mixture

Progressive plate proofs in horizontal corner strips of four, with color bars, traffic lights and register marks, total 8 items, 32 stamps.



Jabir discovered nitric acid, arsenic and antimony, and invented techniques for drug preparation, ...



... Rhazes wrote drug book "Continens medicinae" and used new chemicals as mercury ointment,



Imperforated vertical Al-Biruni to the left and Avicenna to the right.

... and Al-Biruni cataloguing 720 medicinal plants. But most important was Avicenna's "Canon medicinae", used until the middle of 17th century:



Imperforated Avicenna ... describing a lot of simple and compounded drugs.

Avicenna - Trial color plate proofs in strip of five



09174

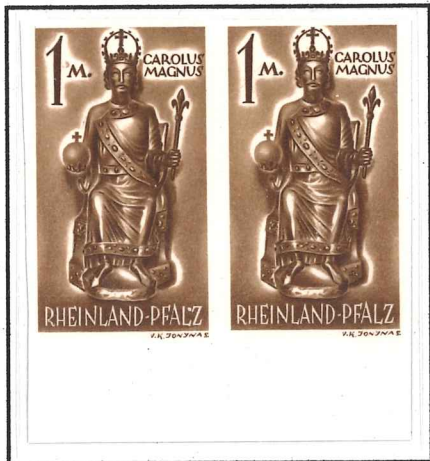
TD3-17

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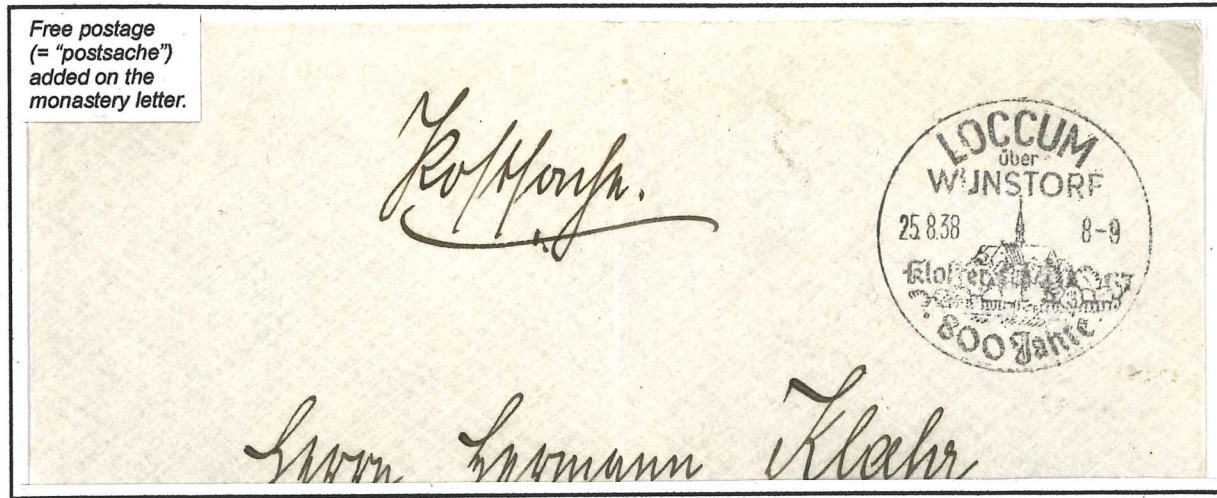
In the Monastery Schools ...

Imperforated lower margin pair, mint with gum.



Charles the Great gave an order...

Free postage (= "postsache") added on the monastery letter.



... that medical science had to be taught and advocated gardens for the cultivation of medicinal plants.

... out to the sick people.



Monks translated Arabian books into Latin, practiced medicine, kept and prepared drugs in specially rooms.



Imperforated stamp with original gum. Certificate in the back.



"Doctorissa" Katharina von Bora brought her knowledge about medicine and drugs from the monastery and ...

Gradually the medical science was influenced by the catholic church ...
But the Medical School in Salerno, founded in the 9th century, had religious Liberty ...



... and Constantin Africanus translated Arabian books into Latin and introduced Arabian medicine and pharmacy.



Africanus on the right

... and with Help by the Alchemists ...

... in their intense struggle in the laboratory to produce...

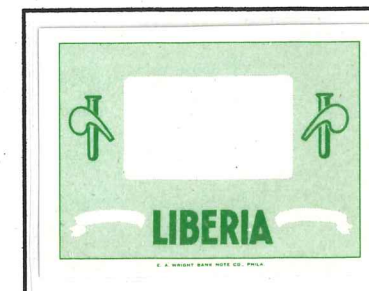


... gold, although it was doomed to failure. But the work was not in vain ...



Proof in dark blue, signed by the engraver Jumelet. Issued stamp in blue, green and brown (1969).

Proof of frame design, issued 1954.

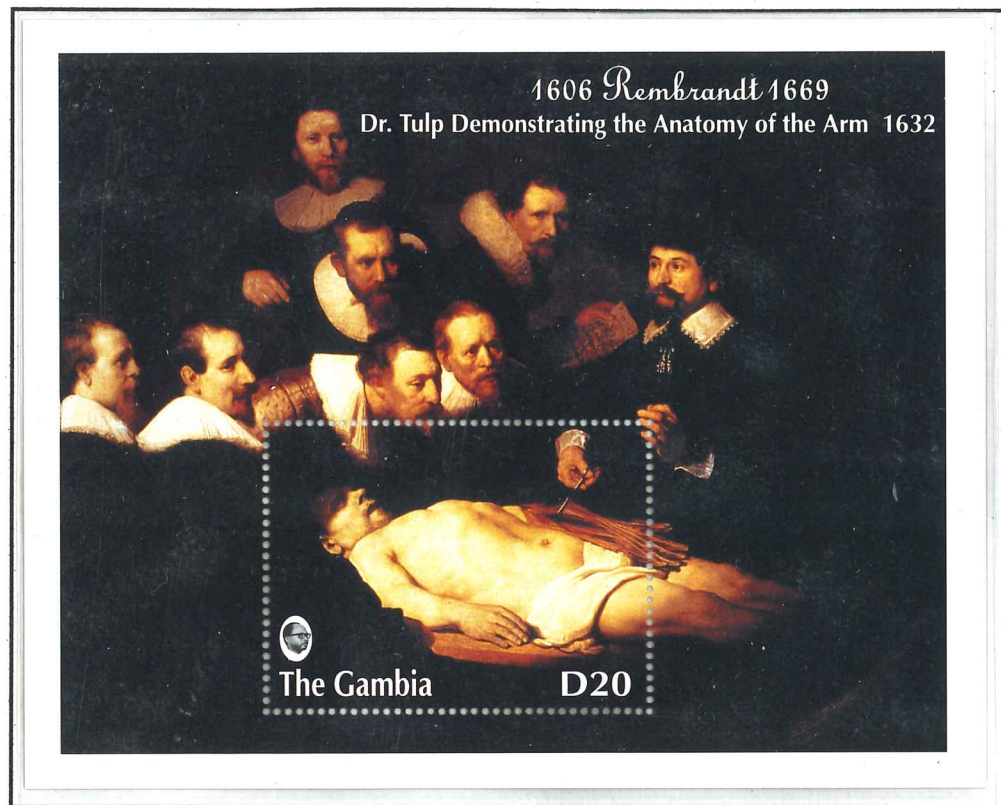


... new methods like distillation retorts, and chemicals were introduced. The german stamp shows alchemic symbols.

Double printing of the black colour. Certificate in the back.



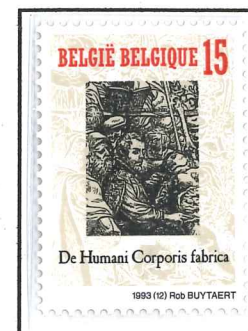
New basic research of the body's structure, anatomy, ...



... started by Leonardo da Vinci, ... but Vesalius' famous work "De Humani Corporis Fabrica" was fundamentally in the development of modern medicine.



Andreas Vesalius

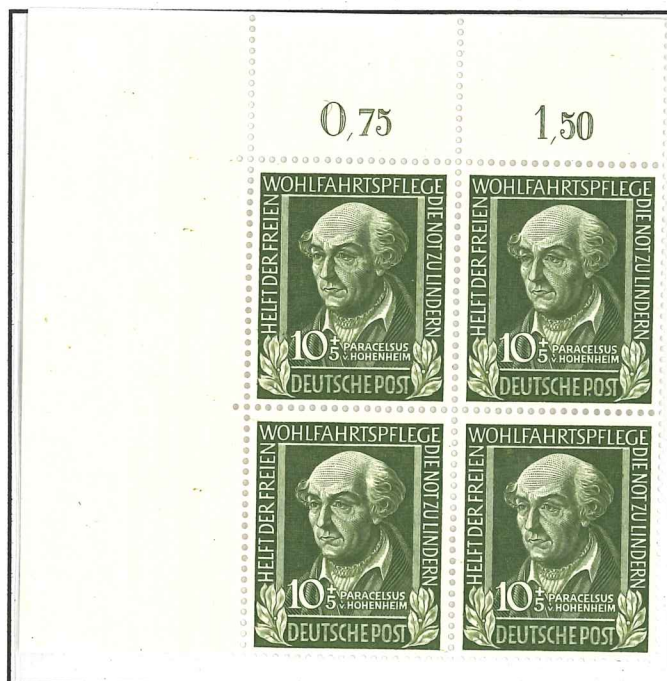


Variety: Imperforated

Cusanus suggested that diagnosis should be based on heart pulse, research of the urine and the respiration.



British India 1895, used stamp: Perfin depicting heart.



Upper left corner of sheet (1949) with extremely broad margin to the left.

Paracelsus: To find the effective substance in its simplest form. He introduced e.g. mercury, lead and antimony for internal use: "Toxic, but not in correct dose!"

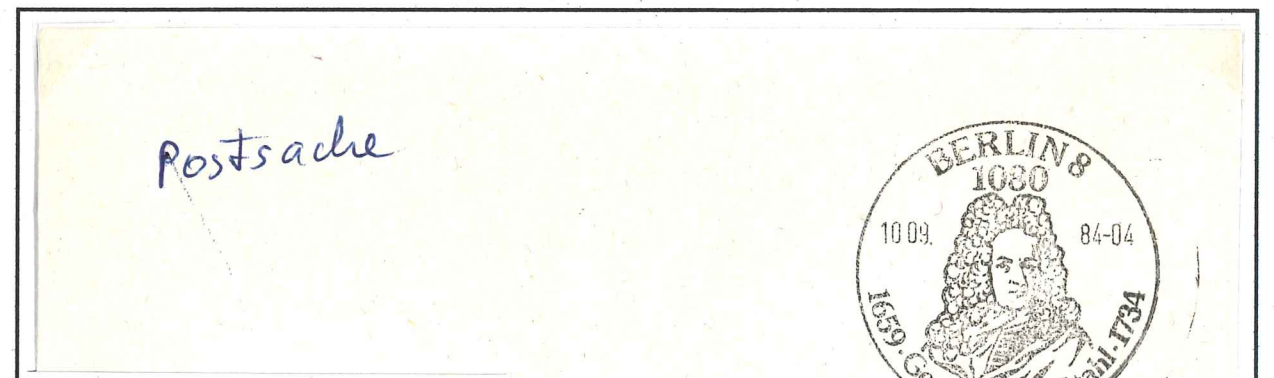


Sylvius



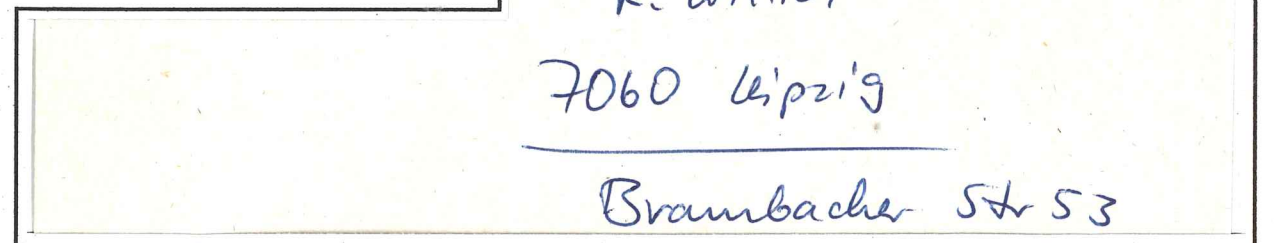
van Helmont

Sylvius used acids and alkali drugs to neutralize the excess in the body. Van Helmont studied effects of drugs, in small dose, and preparation.



"Postsache" letter: free postage.

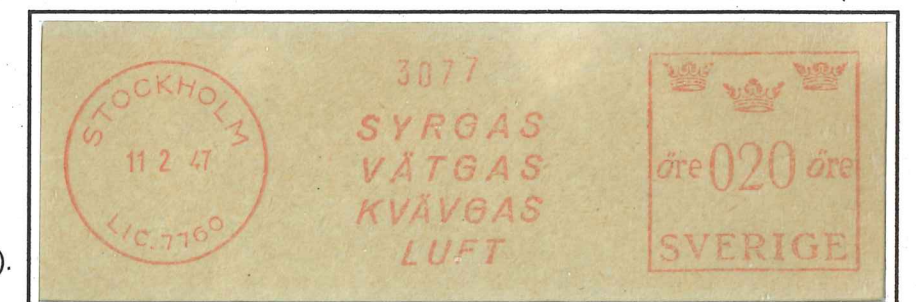
Stahl's phlogiston theory led to the use of antiphlogistic methods and drugs against fever and new chemicals.



Scheele discovered and produced a lot of chemicals, studied medicinal plants and purified the active principle of a crude drug by crystallization; ...



... and he discovered the important fire gas later called oxygen ("syrgas") and nitrogen ("kvävgas").



... for instance by de Orta's journeys to India ...



... but what he actually found was Sisal (Agave), used by the natives for numerous purposes, incl. medical.



Imperforated in block of four. One copy exist.

Fugger's trading company imported and sold herbs and drugs for medical use.



Missing perforations.

Important drugs was "big nuts" (cacao) and ...



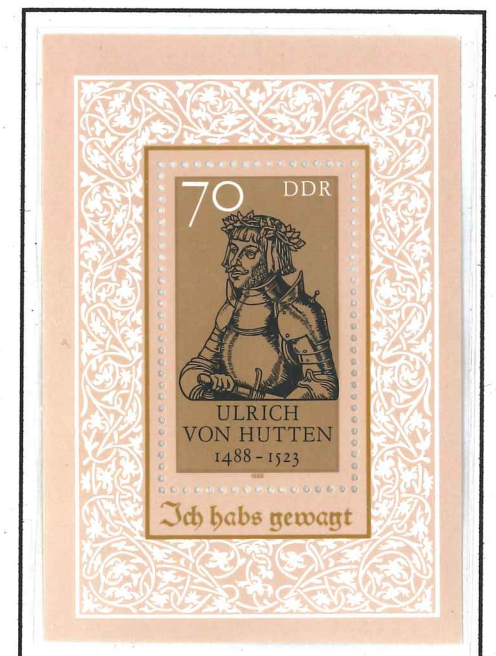
Imperforated in block of four. One copy exist.

... Guaiacum ("holy-wood"): Its use was the result of ...



Overprints: one normal and one upside down

... a publication by Ulrich von Hutten, who had syphilis. But subsequently learned that it was not effective!



Ich hab's gewagt



One of the most important new drugs were Peruvian bark, a specific for fever.

Variety: The print is on the reverse, the gum side. Certificate in the back.



The new plants from the "new world" formed the basis to establish botanical gardens ...

... and Columbus' discovery of America, were introduced into European medicine.



Postal stationery envelope, 2c, to the Columbus jubilee. Cancellation on the back: New York Dec.21. 1893. Additional postage 2x2c. to Germany. Arrival cancellation on the back: Mergentheim Jan.2. 1894.

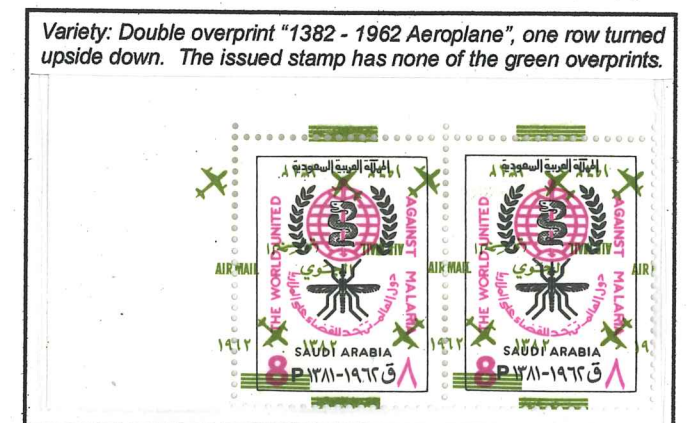
Columbus was seeking for Aloe, the chief ingredient of purgative pills,



Imperforated stamp on Harrison and Sons presentation card.



... and Linné, the great botany reformer also studied medicinal plants, and called the fever-bark tree "Cinchona" which alleviated the symptoms of malaria.



Variety: Double overprint "1382 - 1962 Aeroplane", one row turned upside down. The issued stamp has none of the green overprints.



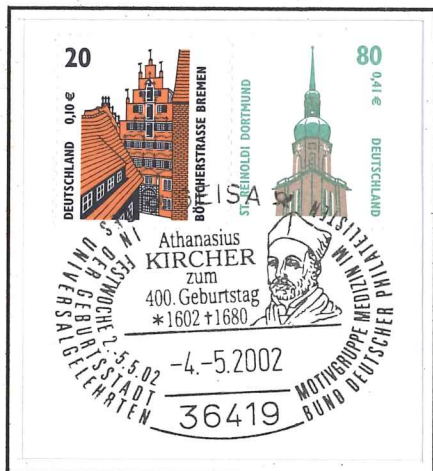
Malpighi's and Leeuwenhoek's use of the microscope ...



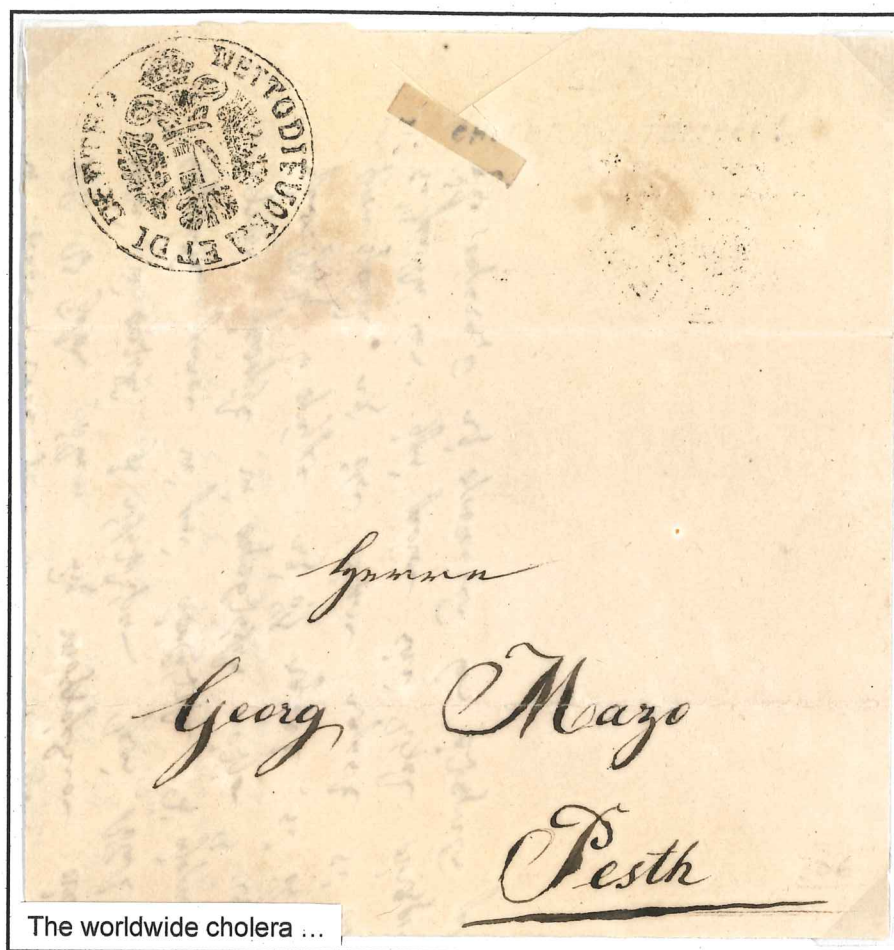
... opened a new world: Bacteria and other microbes could be detected and studied ...



... and by use of microscope Kircher ...



... confirmed Fracastoro's theory: Contagious diseases were caused by microbes. But how to fight down the microbes?



Cholera cancellation, 1837

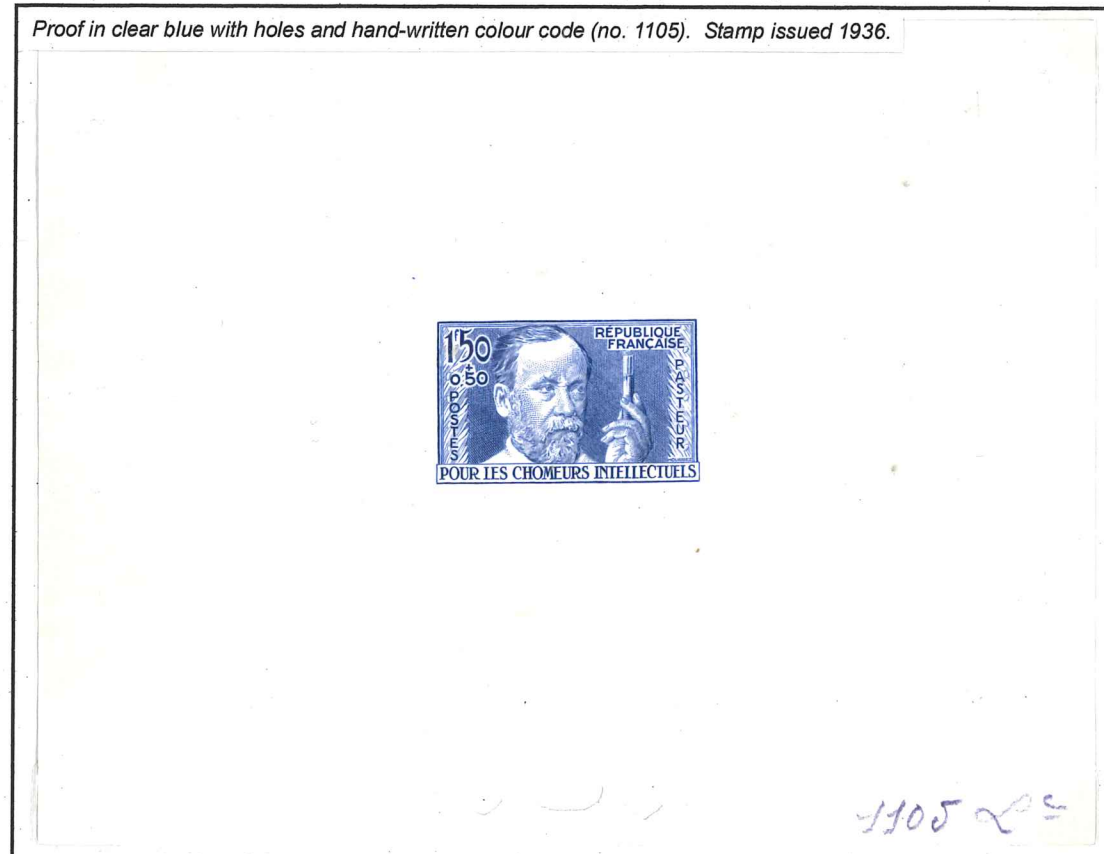
"Cholera letter" from Christiania to Bordeaux in 1831, added on postage "19" and cancellations "Strömstad", "Suede" and "Hamburg" (not seen, on the back). The letter is perforated many times in order to let the cholera disinfection liquid to be penetrated.



... epidemic in 1831 led to disinfection of mail in the belief to prevent the infection. (Later stated as ineffective).



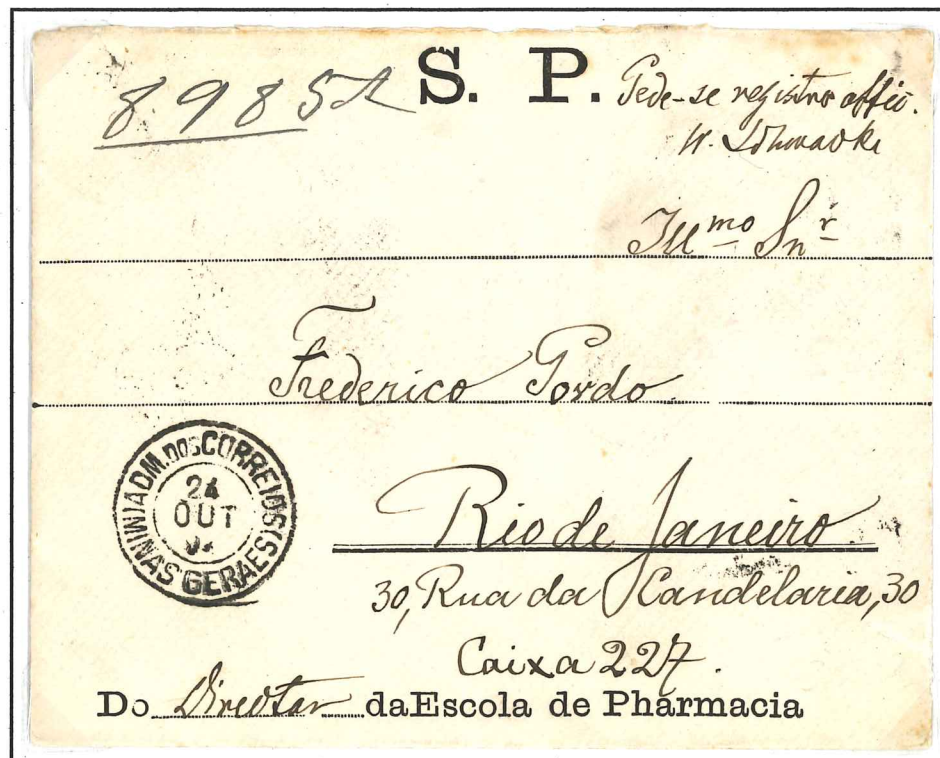
The founders of modern bacteriology were Koch, ...



... and Pasteur. Pasteur was convinced that many diseases were caused by microorganisms. He isolated the cholera bacteria, and formed the basis of development of vaccines and drug therapy.



The early medical faculties of the universities also offered lectures in medicinal plants, chemistry and pharmacy ...



Official letter ("S.P." - Public Service) sent in 1894 from the pharmacy school, which had free postage. Arrival cancellation, Rio de Janeiro, in the back.

... and distinctive pharmacy schools were established.

... by improved Education

Mulready envelope, 1841, 1 d advert letter.

EDINBURGH ENVELOPE ADVERTISER.

New Tea Warehouse.
34 NORTH BRIDGE, One Stair up.
(Below the Upper Market Stairs.)
THE issue of the design of this announcement is to meet the eyes of PURCHASERS of TEA, and to lead them to the right quarter to make a profitable "bargain." We are justified in saying, that no other House in Edinburgh holds out such advantages. In our opening circular of 15th June, we stated that our progress would be slow and difficult; notwithstanding our offering the public a saving far too great to be overlooked, still Houses of old resort would for a time have a preference, even from those most jealous of being overreached. Our predictions on this point have been entirely realized; but as every new buyer became the centre of a new circle of influence, the goodness and cheapness of our Teas have taken such a strong hold of the public mind, that any future attempts of our competitors to decri our system of business may be spared, as they are equally insignificant and impotent. We are not wide of the mark when we say, that all who have patronized us have pocketed a saving of at least 8d. per lb.

NELSON & CO.
NEW TEA WAREHOUSE,
34 NORTH BRIDGE, One Stair up,
Below the Upper Market Stairs.

TODD'S PERTH WRITING INKS are MOST PLEASANT to write with, and also MOST DURABLE in the Colour. The constantly increasing demand, especially for the OFFICE, COPYING, and RED INKS, is the best proof of their being esteemed by the public, and the best security that the Manufacturers will keep up the quality. To be had of all respectable Stationers.
The Trade in Edinburgh supplied by R. F. BELL, 5 UNION PLACE.

The Pectoral Cough Lozenges,
PREPARED BY
BAXTER, SANDEMAN, AND CO., DUNDEE.
GIVE immediate relief in those cases of Tickling Irritation, generally followed by distressing and exhausting fits of Coughing, to which aged persons are so frequently subject, being a composition of several most valuable Medicines, in such proportions as to render them a pleasant and highly efficacious remedy for the above complaints, operating by dissolving the congealed phlegm, and consequently producing free expectoration. In recent Coughs, Colds, difficulty of Breathing, and Asthma, they will be found of the most essential service. They are particularly recommended in Hooping-Cough, and, being perfectly innocent, may be administered to infants in all its stages with every certainty of success. Directions enclosed.
Sold in boxes at 7½d., 1s., and 2s. 6d. each; and in tin canisters, warranted to keep in any climate, at 1s. and 2s.

EDINBURGH—Messrs William Pugh, 33 Prince's Street, and 35 Northumberland Street; James Robertson, 35 George Street; H. C. Baildon, 73 Prince's Street; James Gardner, 58 George Street; W. Moffat & Co., 53 Nicolson Street; T. & H. Smith, 21 Duke Street; R. Lindsay, 11 Elm Row; C. Stringer, 15 Calton Street; J. F. Macfarlane, 17 North Bridge, Druggists; and R. Blair, Italian Warehouse, South Bridge.—Also, Wholesale by R. F. Bell, 5 Union Place.

IRVINE'S MUSTARD.—All who are particular in the Quality and Flavour of MUSTARD should ask for Irvine's, which is now declared by all who have used it to be remarkable for its strength and flavour, and when once tried, no other gives satisfaction. To be had of all the principal Grocers, in sealed jars, at 1/6 and 3/4 each.

Mosley's Silver Steel Pens.
THE constantly increasing demand for these approved PENS, and the celebrity they have obtained in Public Offices & Banking-Houses, together with the long and successful trial they have sustained among the public generally, pronounce at once the superiority of these useful articles over the numerous imitations now offered to the Public.
The trade only supplied by
GEORGE ARMSTRONG & CO.
1 HIGH TERRACE, LEITH STREET, EDINBURGH,
Sole Agents for Scotland, and also for
STEPHEN'S PATENT WRITING FLUID;
GREAVE'S PORTABLE LETTER BALANCES; and **HYDE & CO'S SEALING WAX AND WAFERS.**

Chemistry and Practical Chemistry.
DR REID, FELLOW OF THE ROYAL COLLEGE OF PHYSICIANS, will begin the **WINTER COURSE OF LECTURES ON THE THEORY AND PRACTICE OF CHEMISTRY,** on WEDNESDAY, 4th November 1840, in the EXPERIMENTAL ROOMS (late Dr D. B. REID'S) 9 ROXBURGH PLACE, EDINBURGH.
This Course of Lectures qualifies for all the Public Boards,—the Army,—the Navy,—Apothecaries' Hall,—University of London, &c. &c. Ticket, L.3, 5s., PERPETUAL, this Season.
Dr REID will, on the same day and at the same place, commence his **COURSE OF PRACTICAL CHEMISTRY AND PHARMACY;** Ticket, L.3, 5s. Ticket to Lectures and Practical, L.5, 7s. Ticket to the Lectures being perpetual.
Dr REID'S Rooms are now open, and continue so for ANALYSIS, during the Session. The Classes for Analysis are specially arranged to suit the views of individuals, whether as Engineers, Agriculturists, or Medical Students.
Dr REID has a Vacancy for a **PRIVATE PUPIL** in the **LABORATORY**, who, besides many other advantages, will have every opportunity of acquiring a complete practical and theoretical knowledge of Chemistry.
For further particulars, apply to Dr REID, at his Class-Room, 9 Roxburgh Place, or at his residence, No. 37 Nicolson Street.

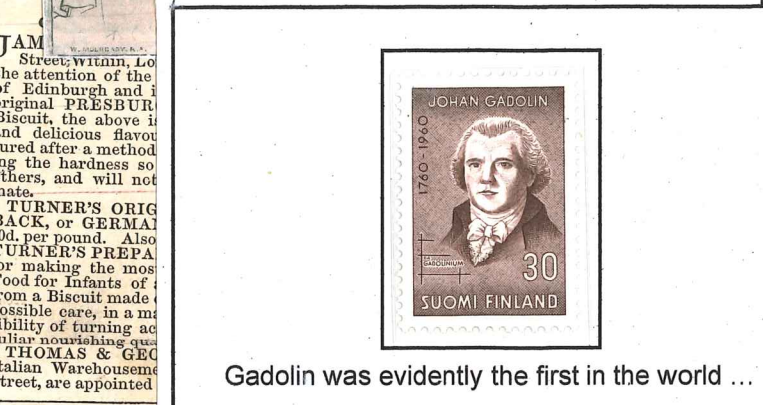
Dr Reid's Elements of the Practice of Medicine.
Recently published,
ELEMENTS OF THE PRACTICE OF MEDICINE, designed as a **TEXT-BOOK** for the use of Students and Junior Practitioners. By **WILLIAM REID, M.D.,** formerly Superintendent of the Fever Hospital, Queensberry House, and Lecturer on Pathology and Practice of Medicine, Fellow of the Royal College of Physicians, &c. &c.
OPINIONS OF THE REVIEWS.
"This is an excellent work; common sense and a just appreciation of what is actually known in medicine appear in every page. The style is simple, clear, and unpretending; the matter well arranged and practical."—*New York Journal of Medicine*, 1839.
"Dr Reid's work evinces much pathological and practical knowledge, and contains many sagacious remarks. We have seldom met with a work which condensed so much valuable matter in the same space."—*Forbes's British and Foreign Journal*.

N.B.—TO LECTURERS, TEACHERS, AND OTHERS.
The **LARGE LECTURE ROOM** in the **EXPERIMENTAL ROOMS, ROXBURGH PLACE,** may be engaged at any hour after twelve o'clock.
For further particulars, apply at 37 Nicolson Street.

ENT, WATERLOO NEWS-ROOM; and Printed by NEILL & CO., OLD FISHMARKET, who hereby attest the Circulation at 9000, being

It was giving lectures on the theory and practice of chemistry and pharmacy and it was published textbooks of the practice of chemistry, pharmacy and medicine.

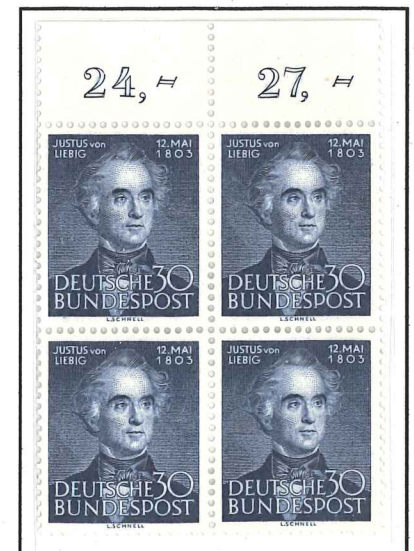
Copy (70 %) of the front.



Gadolin was evidently the first in the world ...



... to make all his students do compulsory laboratory work, a new era!



von Liebig wrote a textbook on organic chemistry which became a classic among the students.

1. Man needed Cures ...

f) ... intensified the Research for Drugs

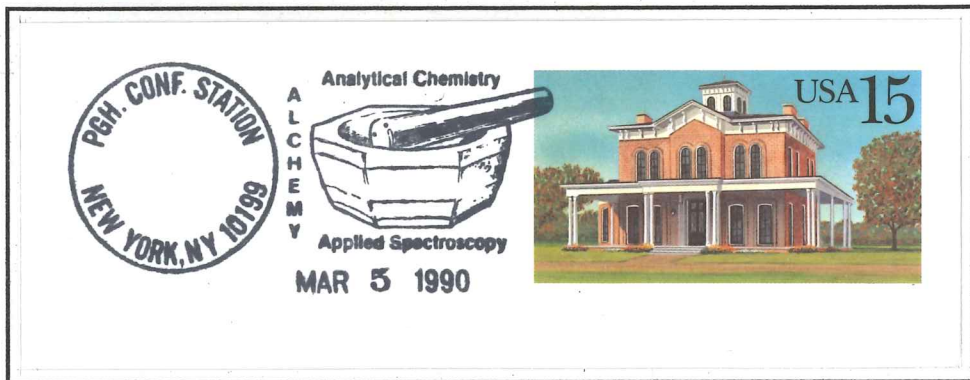
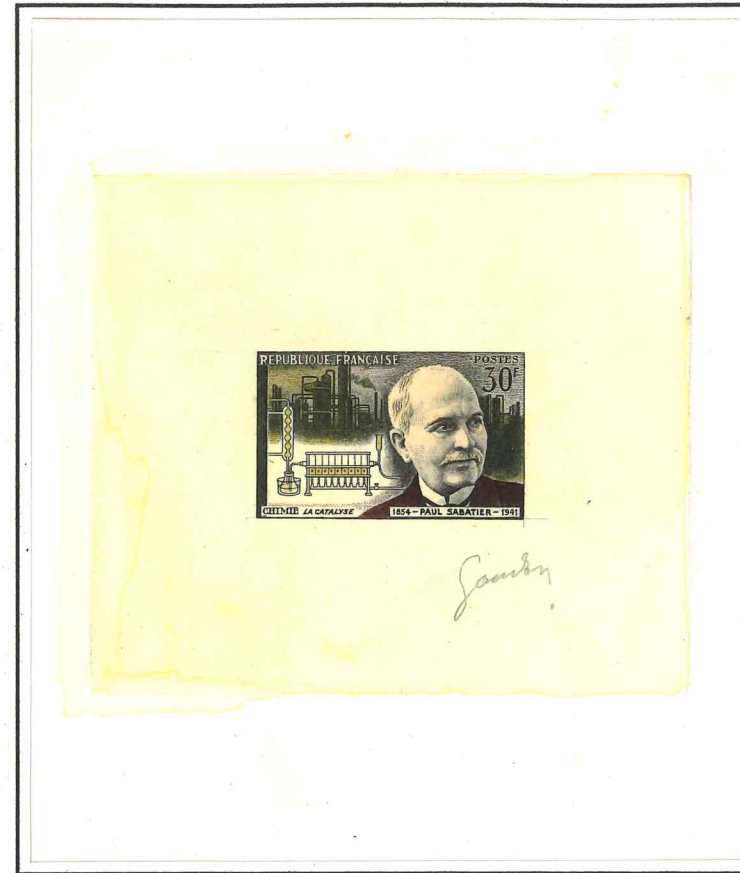
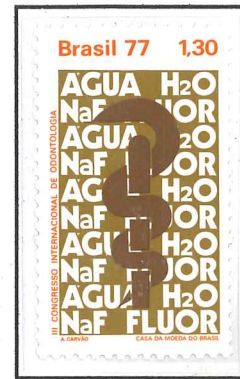
... by Chemical Developments

Berzelius developed the chemistry of elements, laboratory instruments, new chemical words as catalysis, isomer, polymer, protein, and ...

... the writing of formulae as H₂O (water, aqua).

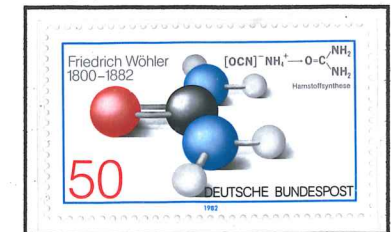
Paul Sabatier, a pioneer of the organic synthetic chemistry. The progress of chemistry had been greatly advanced.

Another pioneer was Marcelin Berthelot. He performed many organic synthesis.



Proof by the artist, issued stamp (1927) to the right.

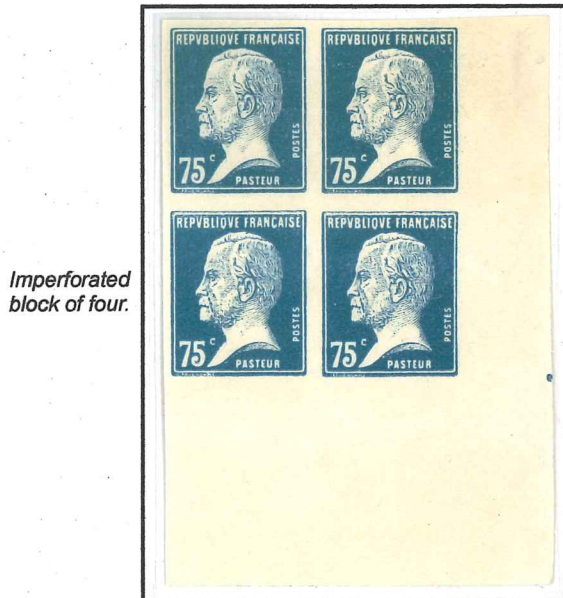
Urea, the first artificially organic compound, and a drug (carbamid) used in creams.



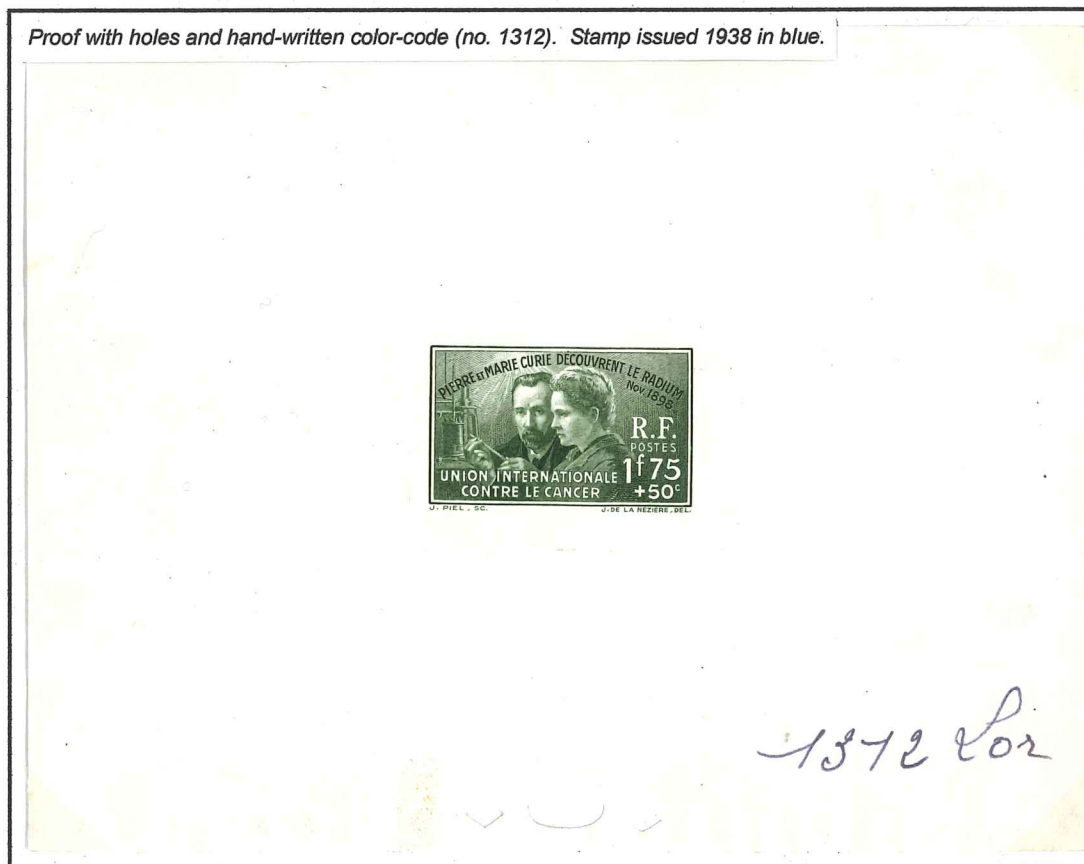
By use of chemical analytical methods ...

... the chemical structure of drugs were determined. (See the stamps background).

Proof (1956), hand colored, signed by the engraver Gandon.



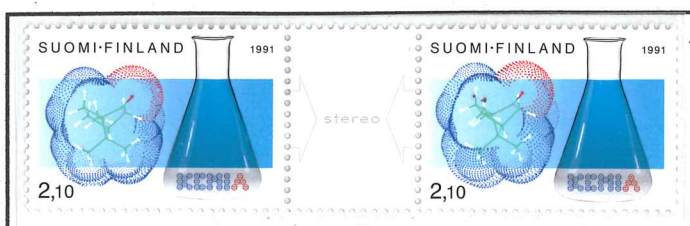
Imperforated block of four.



Proof with holes and hand-written color-code (no. 1312). Stamp issued 1938 in blue.



Pasteur in his early career: a pioneer in the discovery ...



... of the relative location in space of atoms in a molecule, later called "stereochemistry". This may have vital importance if a drug have an effect or not.

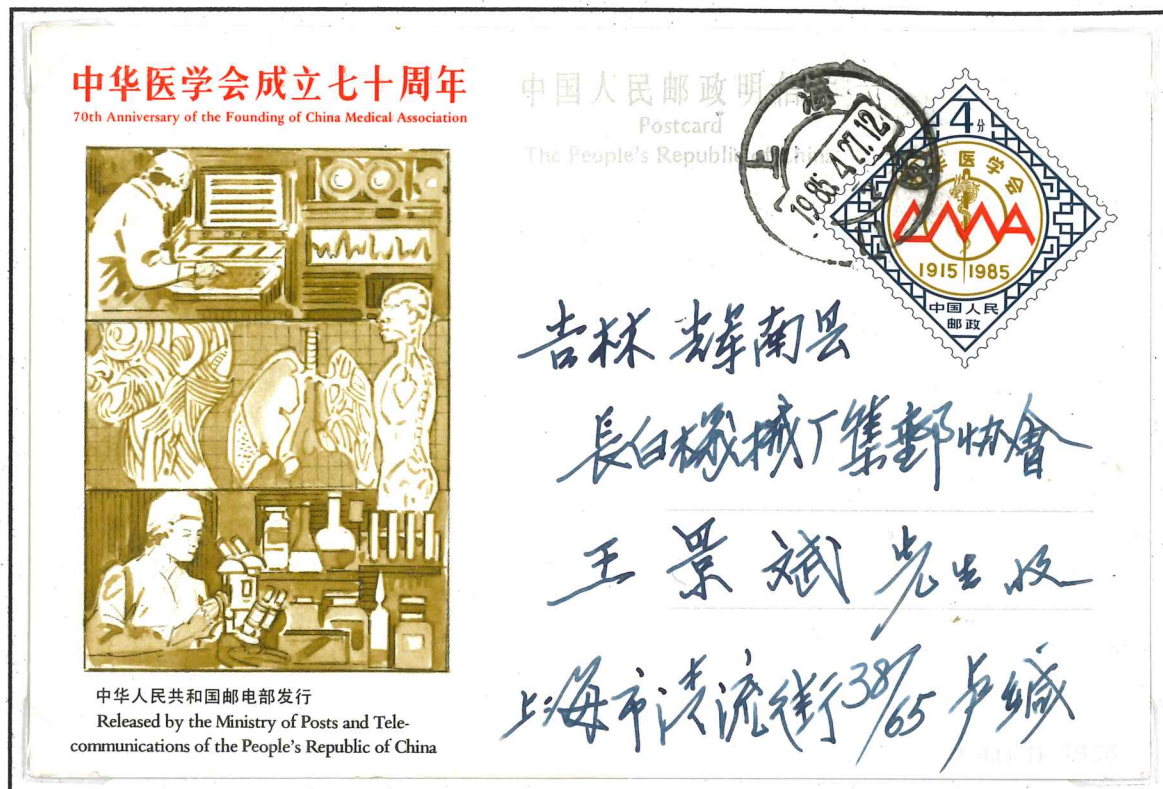
In 1898 Pierre and Marie Curie discovered radium, the first radioactive substance of medical importance.



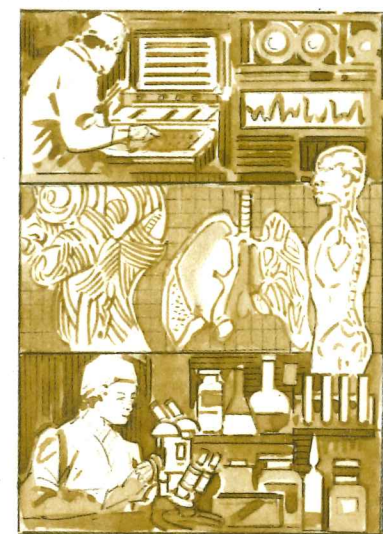
Miniature-sheet of four, only 50 copies known.

Radium have been used in drugs for rejuvenation and against various diseases. (Later stated as very toxic !)

... and by Medicinal-Biological Developments



中华医学会成立七十周年
70th Anniversary of the Founding of China Medical Association

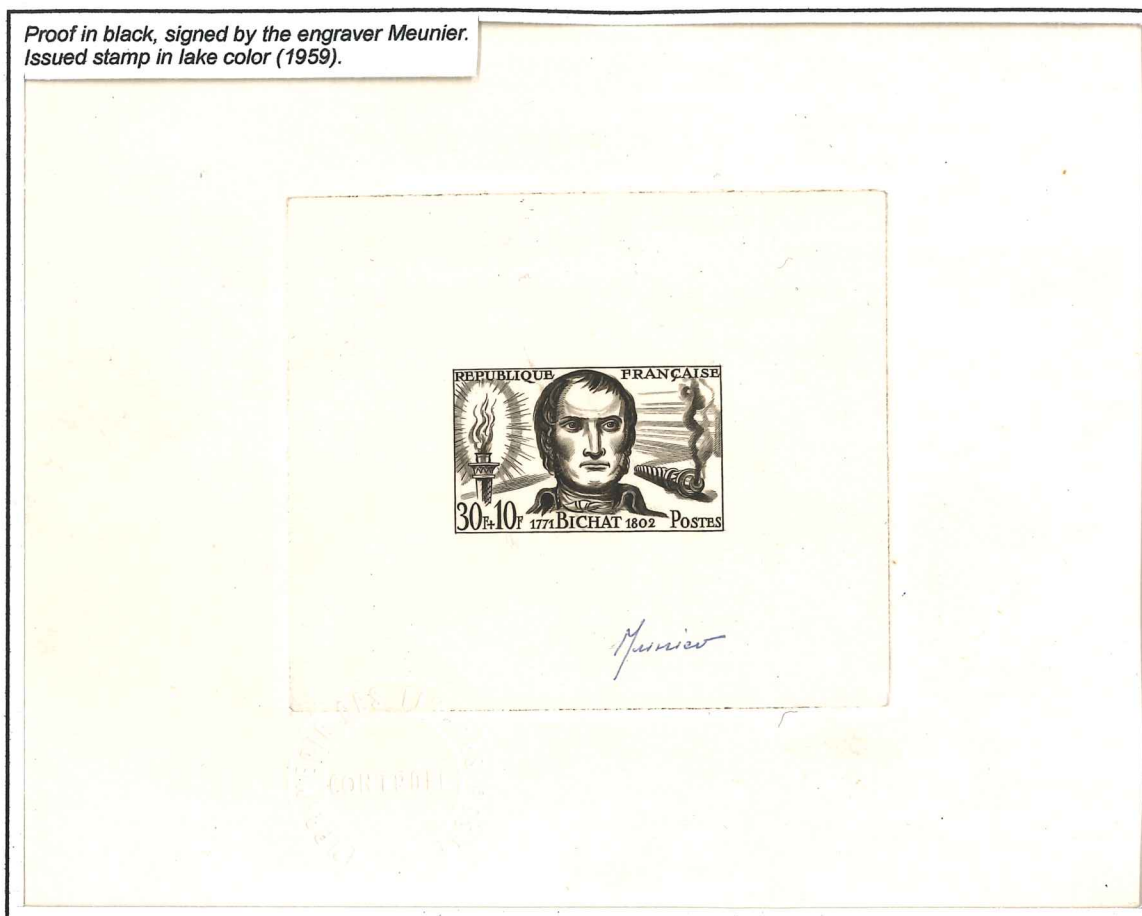


中华人民共和国邮电部发行
Released by the Ministry of Posts and Telecommunications of the People's Republic of China

吉林 辉南县
长白机械厂集邮协会
王景斌先生收
上海市淡水路38/65号

Increased knowledge about the body's anatomy, functions and processes (physiology).

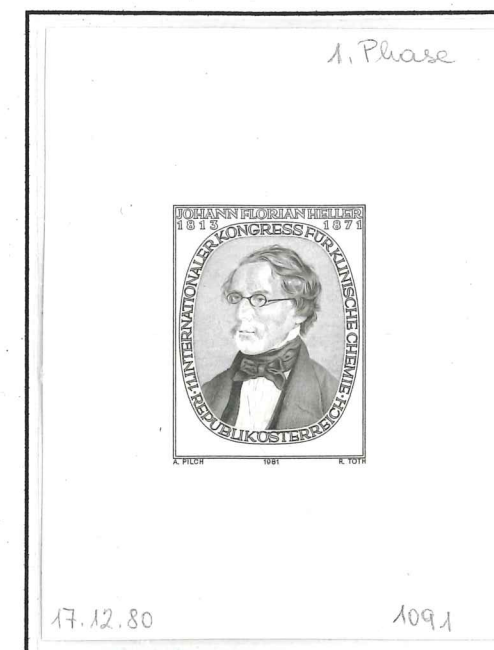
Proof in black, signed by the engraver Meunier. Issued stamp in lake color (1959).



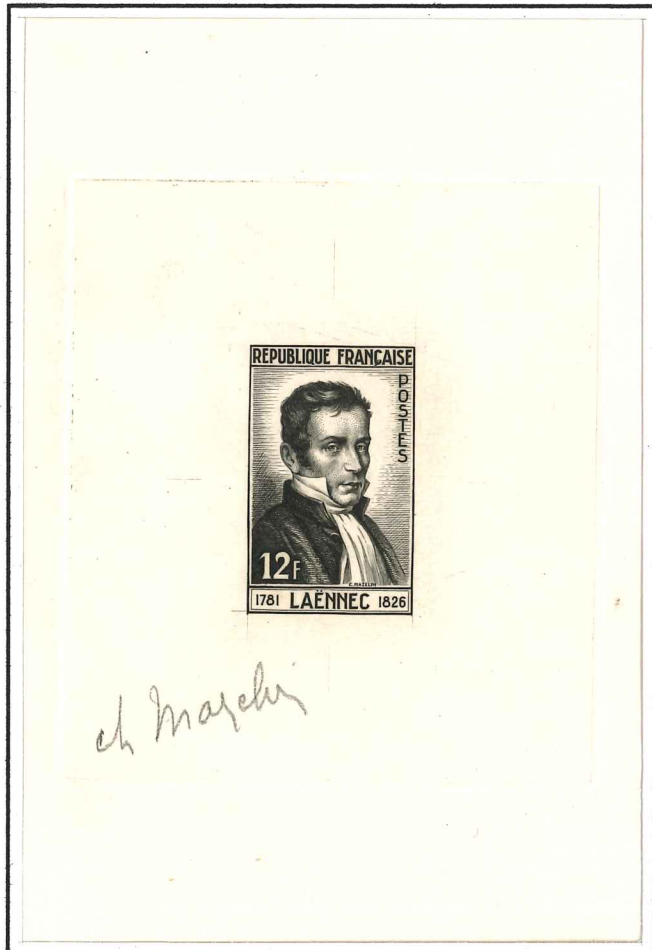
Bichat: Anatomist and physiologist, regarded as the father of modern histology: The knowledge of cells and tissues. He supposed that diseases attacked tissues rather than whole organs.



Proof (below) from the line engraving process, probably a unique item. The issued stamp is shown above.



The knowledge and developments in clinical chemistry. Heller was a pioneer within urine analysis.



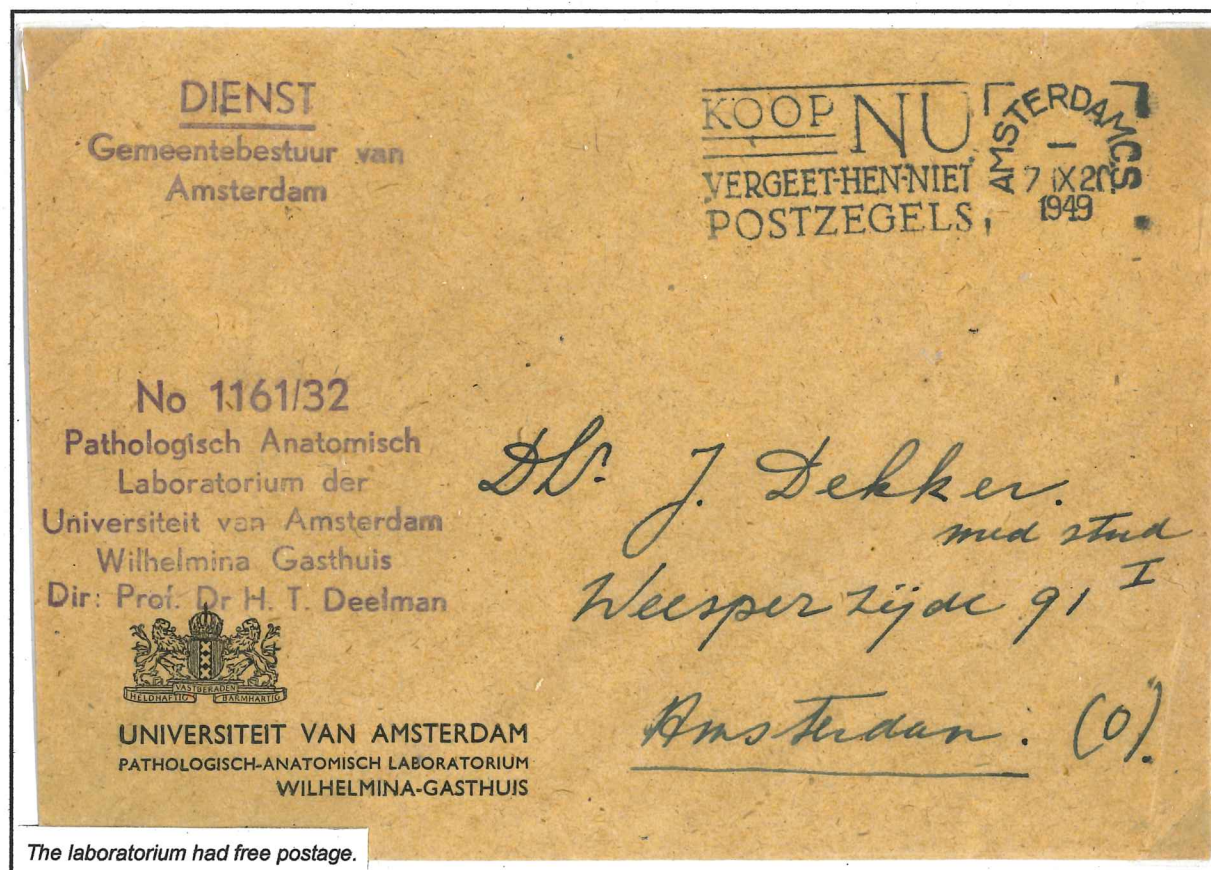
René Laennec invented the stethoscope, a major step to make diagnosis.



Variety: Imperforate pairs.



Another epoch-making development was the blood pressure monitor in 1881.



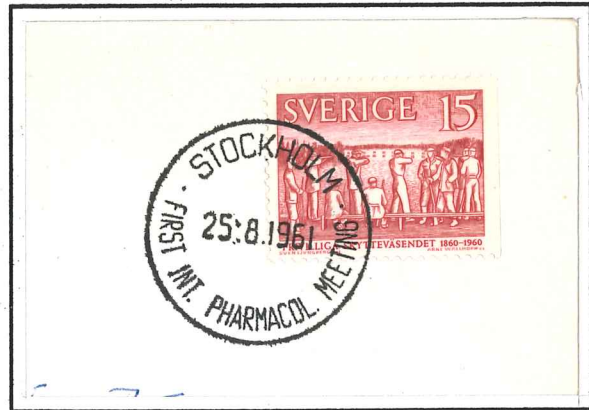
The laboratory had free postage.

The knowledge about the study and diagnosis of diseases was called pathology, and ...



Variety: Divergent color. Issued stamps in blue (1948).

... Virchow was regarded as the father of modern pathology.



More specifically, pharmacology is the study of the interactions that occur between ...



... drugs and ...



... the body, ...



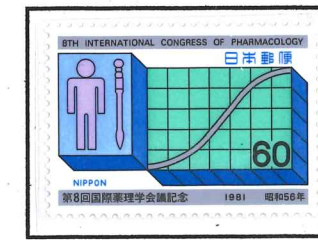
... that affect normal or abnormal biochemical function.



But before testing new drugs on humans, animals have to be used.



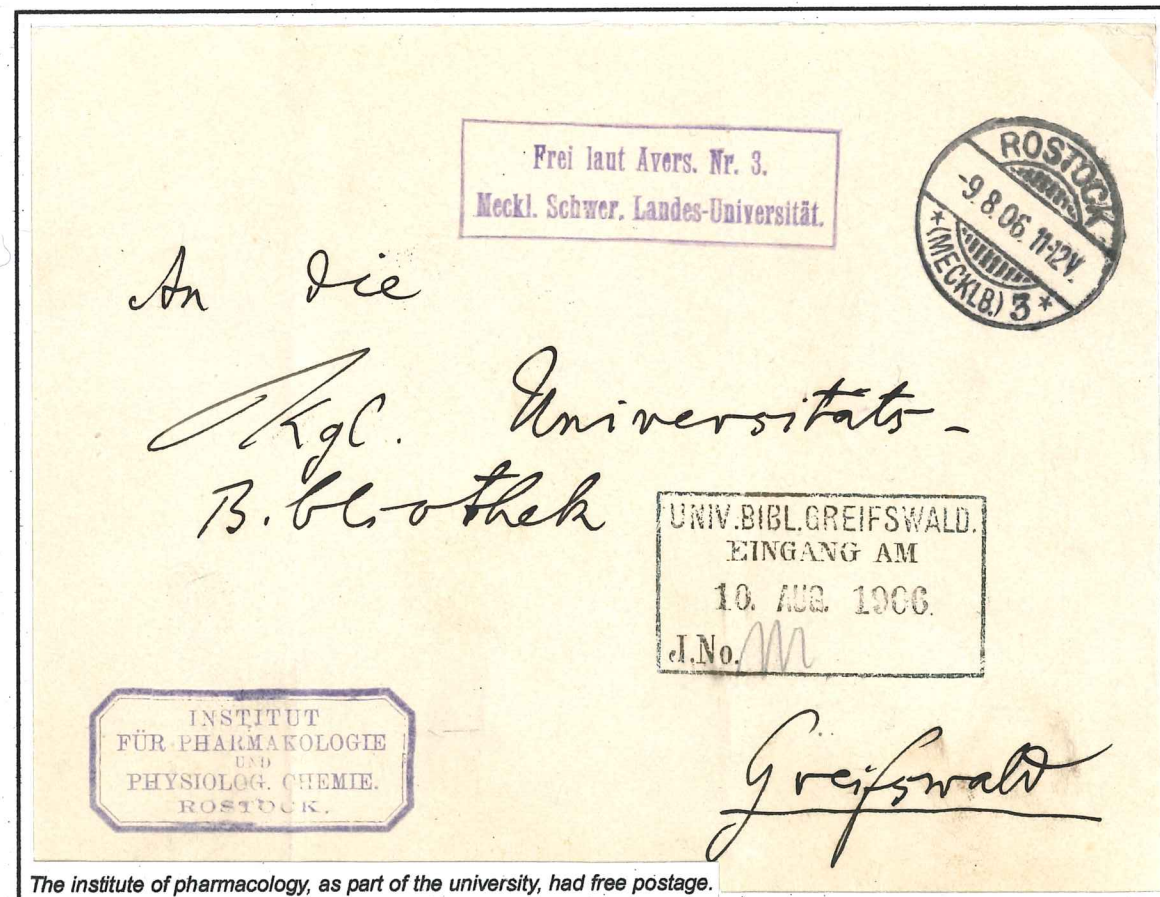
The main areas of pharmacology are pharmacodynamics: the effects on biological systems, receptors ...



... and the dose-effect relation,

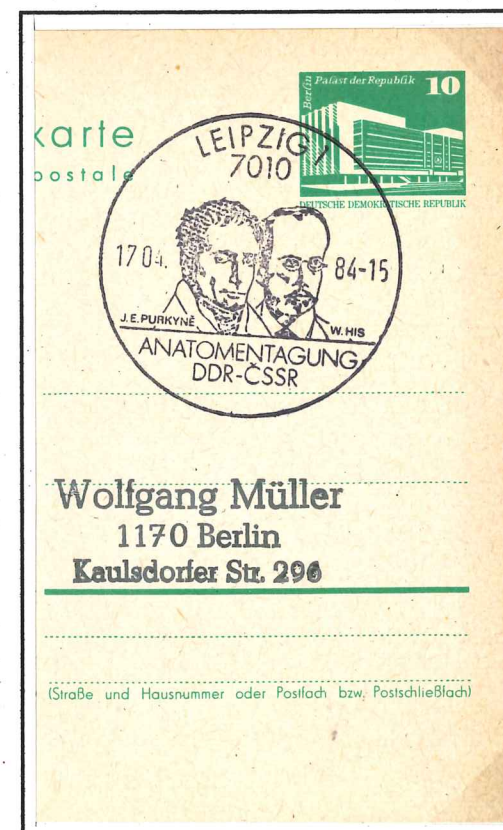


... and pharmacokinetics: the absorption, distribution, metabolism and excretion.



The institute of pharmacology, as part of the university, had free postage.

The study of pharmacology is offered in many universities.



Purkinje as a pharmacologist: studied effect of drugs like belladonna, digitalis, opium and camphor on humans.



Proof with holes and hand-written color-code (no. 1415). Stamp issued 1954 in sepia-brown and green.

Millon (1812-1867) also studied pharmacology and became director of pharmacology in the army in Algeria.

... to affect the Digestive System

Bilberry, a well-known remedy against diarrhoea.

Берегите природу!
Голубика болотная

Куда *г. Мошнёв,
ул. Камульская,
дом 35*

Кому *мам. №13
"Книга-подарок"
Индекс предприятия связи и адрес отправителя
440065
г. Саратов, ул. Луговая,
дом 5, кв. 252
Беласову с.о.*

Пишите индекс предприятия связи места назначения

Mexican stamps, JALAPA overprints, showing different sub offices, incl. Tesiultan, Perote, Misantla and San Juan de los Llanos. Only 200 - 400 sent of each.



Mexican letter (1842)



Jalapa is also a medicinal tree: The resins have drastic purgative action, but may be toxic.



Arrowroot is used as a gruel in the treatment of diarrhoea.

Variant: pair imperforated, double printed.



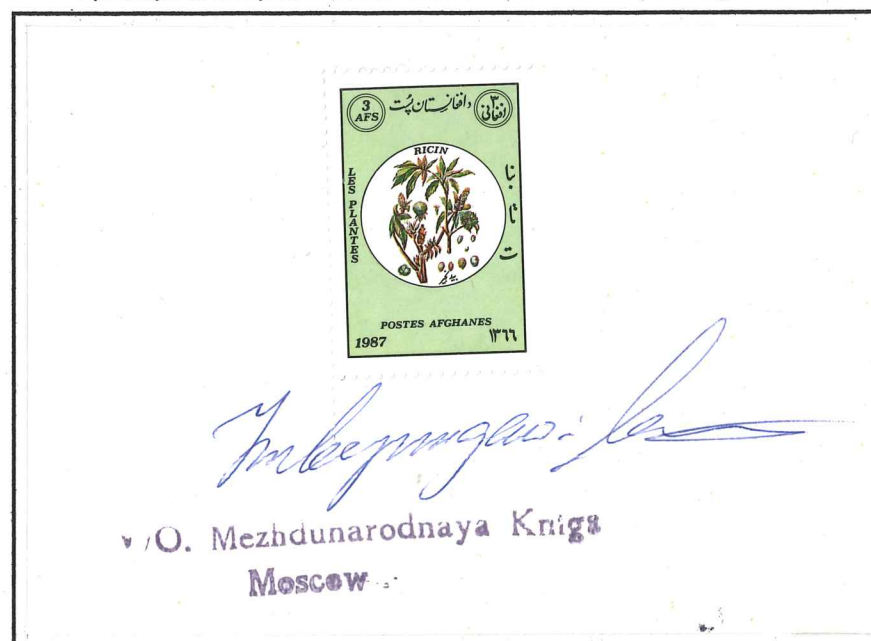
Gentiane: bitters increase the gastric function, used against loss of appetite.

Set of six progressive proofs. The stamp was issued in 1986.



A solution from the flowers of Hagenia abyssinica is used to treat tapeworm.

Special perforated proof mounted on card with official stamp and signature.



The seeds from the plant, Ricinus communis, gives castor oil, a powerful laxative. The extremely toxic ricin have been destroyed with water vapor.

Imperforated corner block of four. Issued 1975.



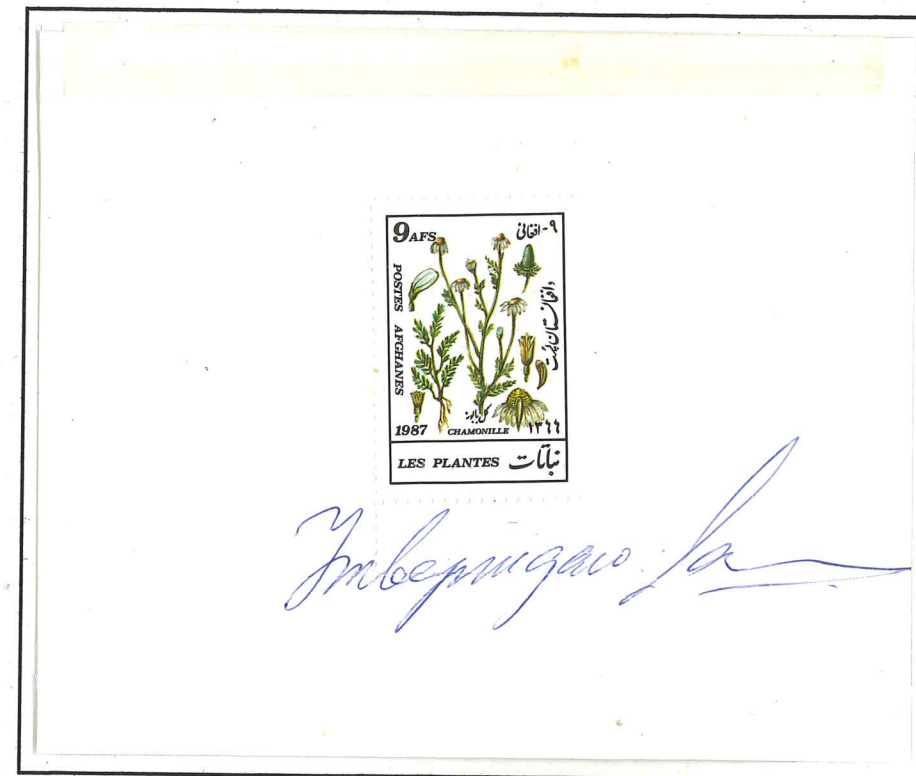
... to relieve Nervous Diseases ...



Imperforated in block of four. One copy exist.



The coffee seeds contains caffeine which stimulate the central nervous system; a tonic.



Special perforated proof mounted on card with official stamp and signature.



The coca leaves of Erythroxylum coca acts as a stimulant because of its low amount of cocaine.

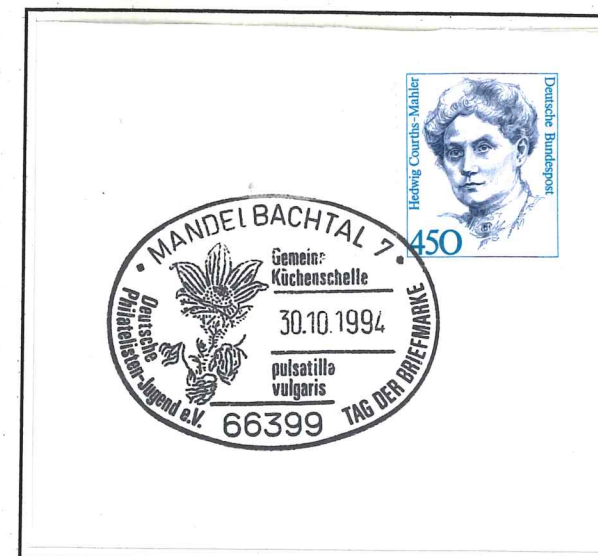


Valerian root contains valepotriates: sedative relieving anxiety and restlessness.

Hypericum perforatum (St John's wort) contains hypericin and is used for treating mild forms of depression.



This stamp, with original gum, have fault watermark: missing one D in DDR to the right. Certificate in the back.



Most sedative plants in traditional medicine have not been scientifically examined, e.g. Camomile ... and Pulsatilla species.

The willow bark relieves pain and inflammation because it contains salicin, the precursor to salicylic acid and later the famous acetylsalicylic acid



The willow, Salix

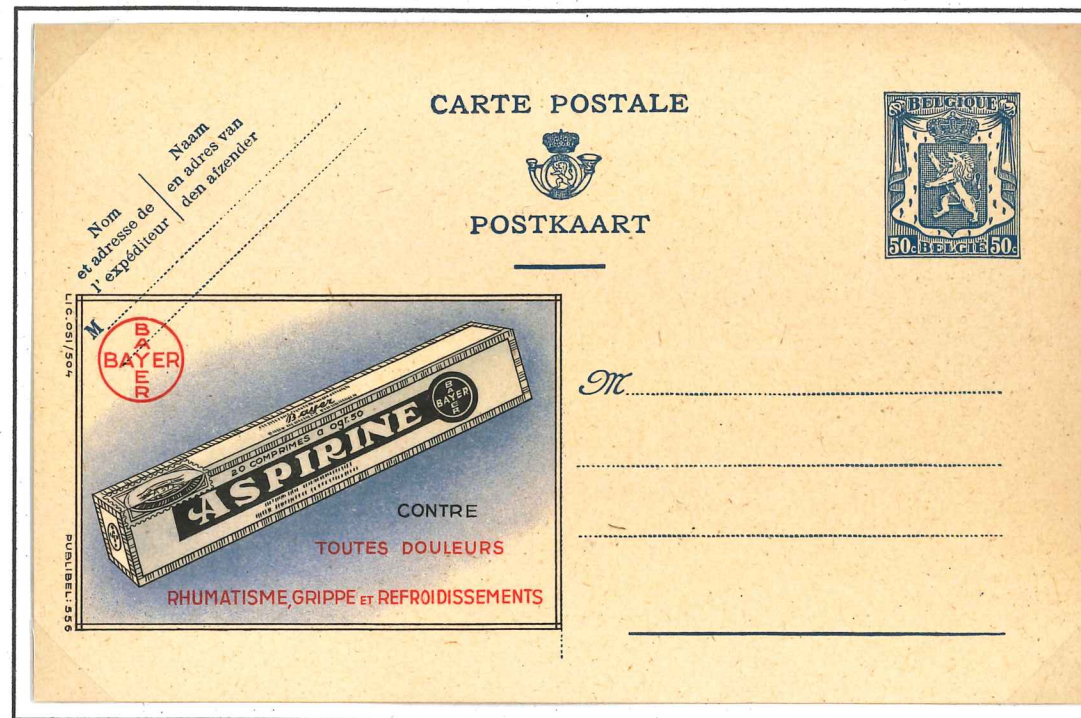


Photo of salicylic acid crystals



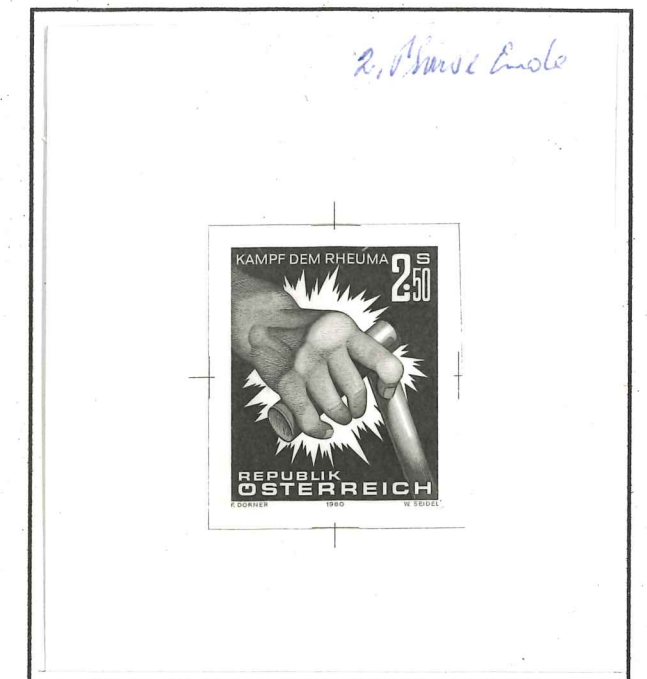
Chemical formula of acetylsalicylic acid

... to relieve Pain and Inflammation

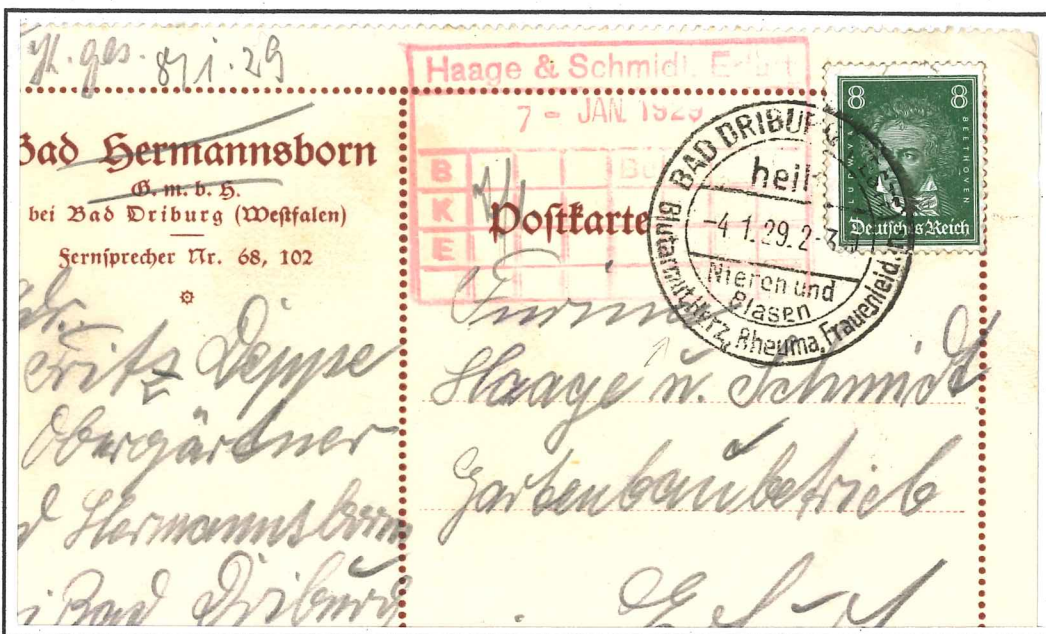


... known as Aspirin, a milestone in the ...

Proof in black, issued stamp (1980) in red and blue.



... treatment of rheumatic pain and inflammation.



Rheumatic pain can also be relieved by ...

Variant: surcharged 700 z / 60 z wrong way up.



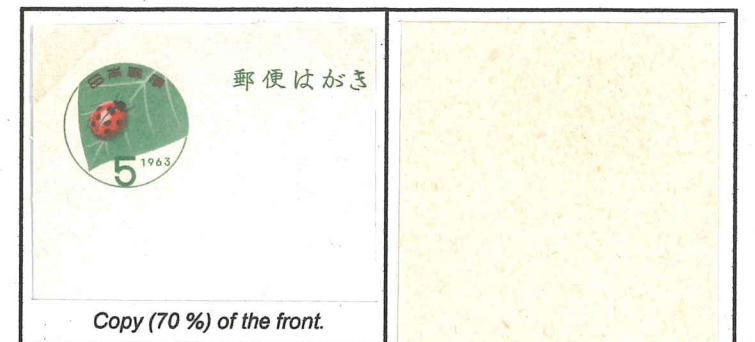
externally use of juniper berry oil ...



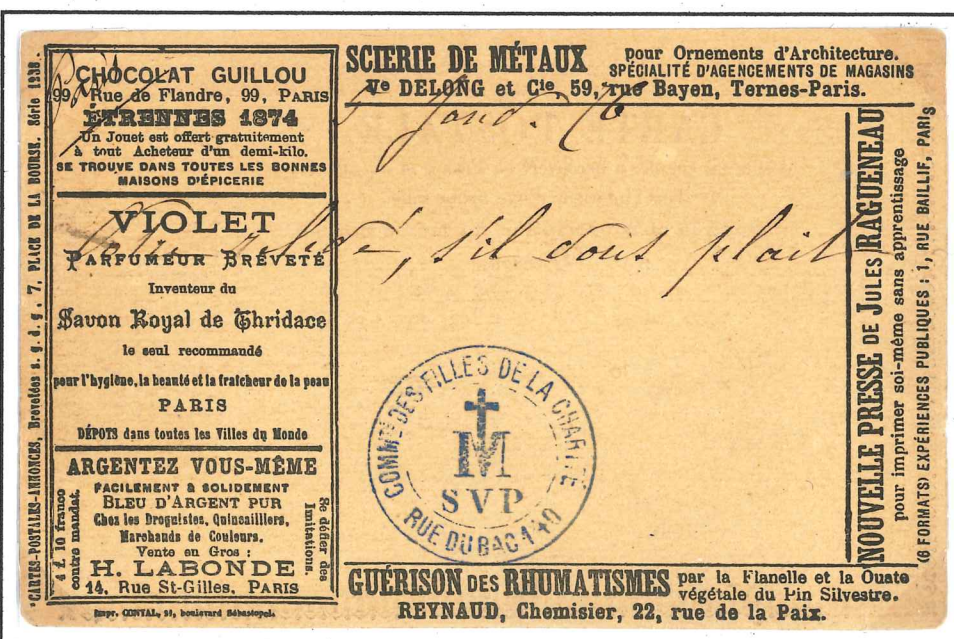
... camphor (from Cinnamomum camphora), ...



... capsaicin (from Capsicum frutescens) and ...



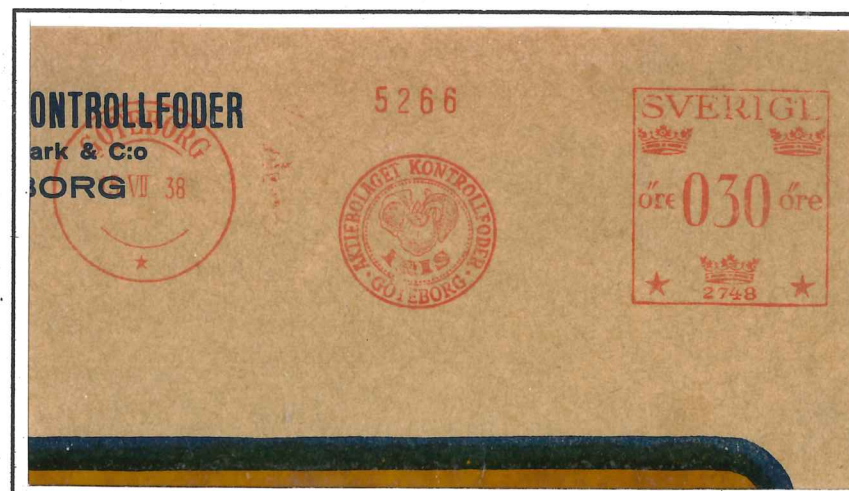
Copy (70%) of the front.



... oil of turpentine, from Pine wood (Pinus silvestris), by increasing the skin blood flow.



Copy (70%) of the front.

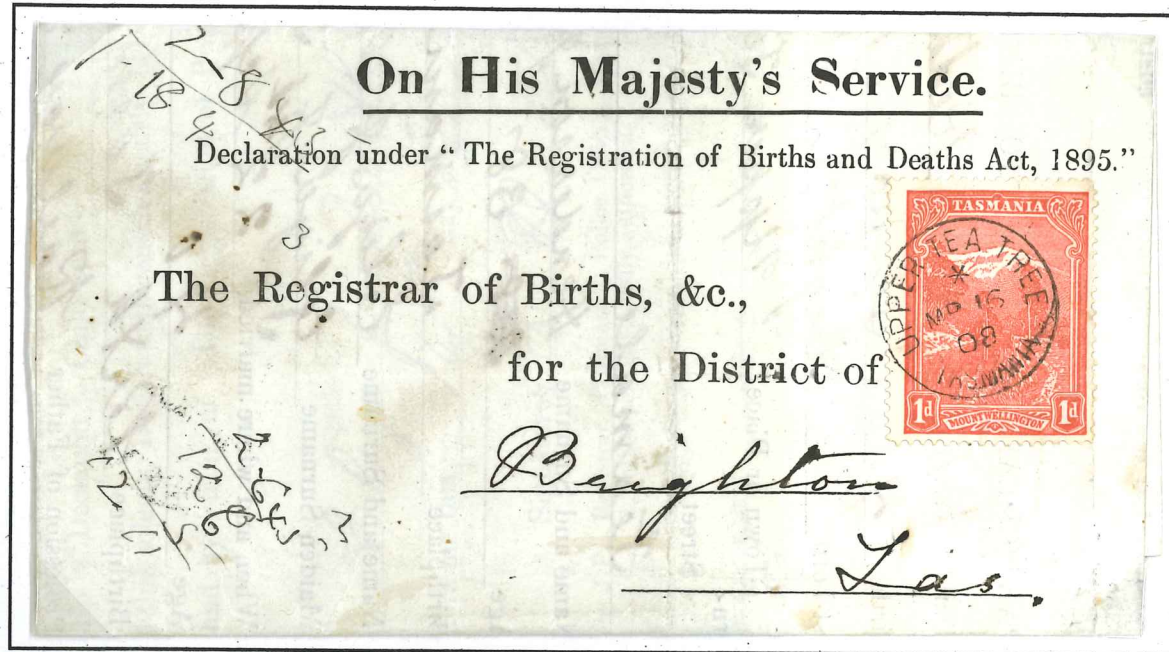


The root of Iris have been used to reduce the baby's toothache.



Opium, the dried latex obtained by incision from the unripe capsules of Papaver somniferum, is a strong pain-stilling analgetic because of its content of morphine.

... to relieve Respiratory Diseases ...



... by using leaves of the Tea tree. The leaves contains theophylline, a powerful relaxant of the respiratory muscles. Theophylline is now synthetically produced.



Liquorice root extract is expectorant, used in cough mixtures.



Althaea and common mallow: relieving cough.



Soapwort (Saponaria off.) and violet (Viola odorata) contains saponins: expectorant.



Thyme contains thymol: expectorant and relieving.

Bohemia and Moravia, telegram 1939 unused, perforation 5 3/4. 40 h Linden leaves.

Linden blossom tea: Traditionally used against cold and cough.



The Eucalyptus oil from the leaves is used to relieve cold.

... to relieve Cardiovascular Diseases

"Fancy-cancel":
Heart
(from about 1865)



Foxglove

Withering treated patients suffering edema (excessive amount of tissue fluid) with powdered foxglove leaves (Digitalis species) and believed discovering a diuretic agent, but later stated to affect an impaired heart (heart failure).

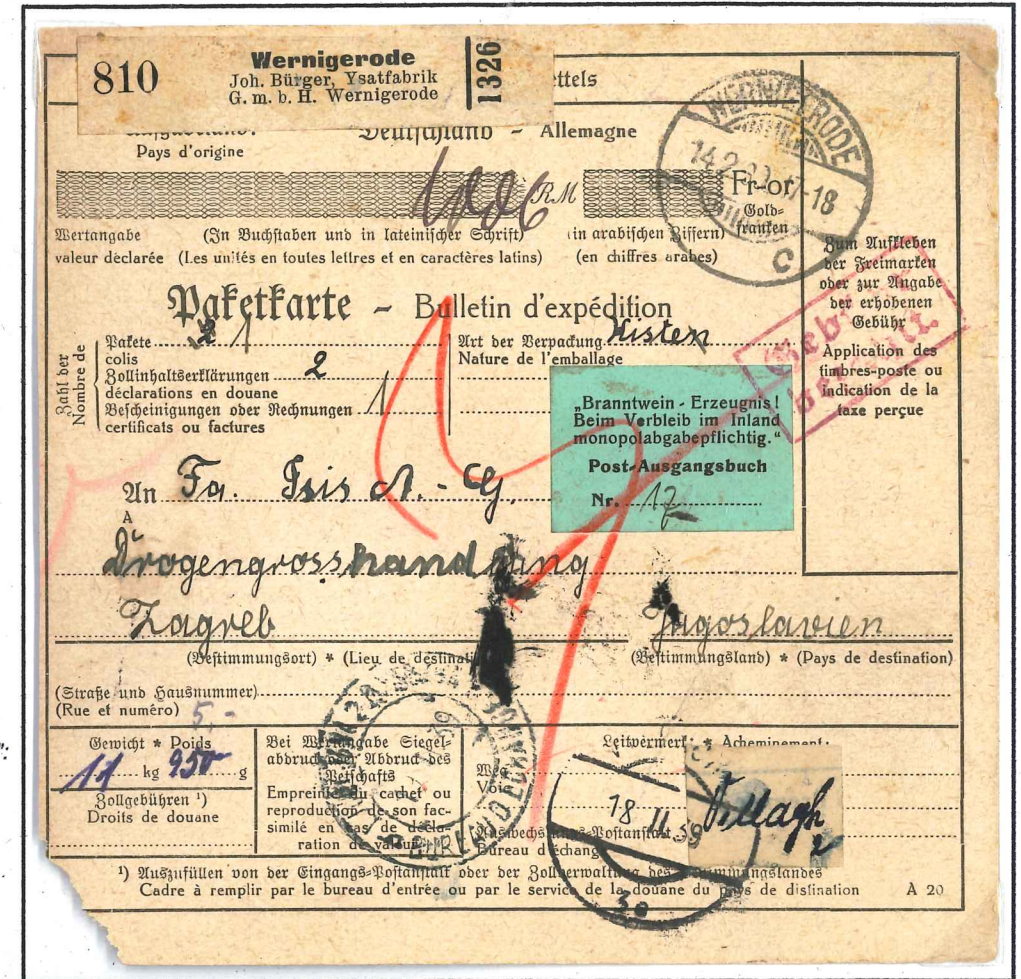


Variety: Imperforate pair.



Another use of Digitalis is against abnormal heart rhythm.

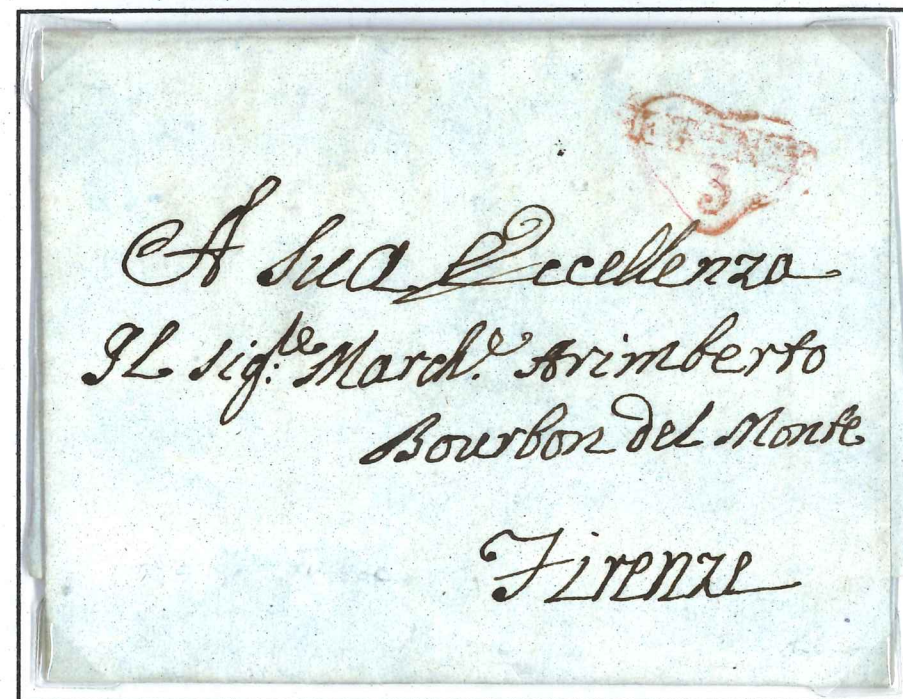
The label "Joh. Bürger, Ysatisfabrik":
The label was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (810) and control number (1326).



A long-lasting problem of Digitalis was to find the right, small dose without serious side effects. In 1896 the pharmacist Johannes Bürger started the research to produce drug with standardized content of the dried leaves. But the correct dosis was still unpredictable. The isolation of the active glycosides in 1930 was a great step forward.

Set of 4 imperforate progressive proofs, from the archives of the former East German printer. Only about 10 copies exist.

Prephilatelic (1805) Firenze local folded letter with heart-shaped red cancel.



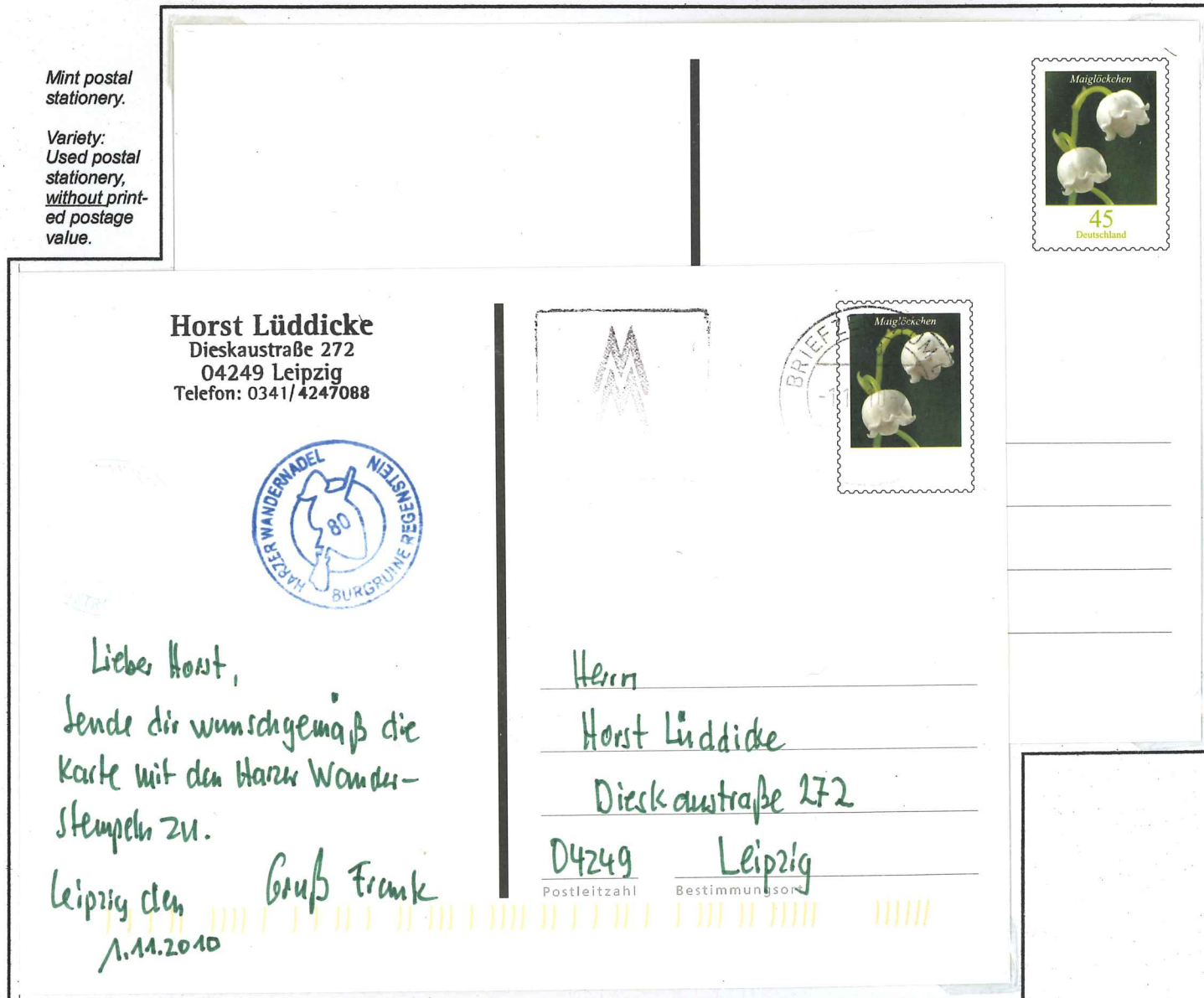
... health hazard to the heart.



Adonis vernalis contains adonidid, having a digitalis-like action.

Mint postal stationery.

Variety:
Used postal stationery, without printed postage value.



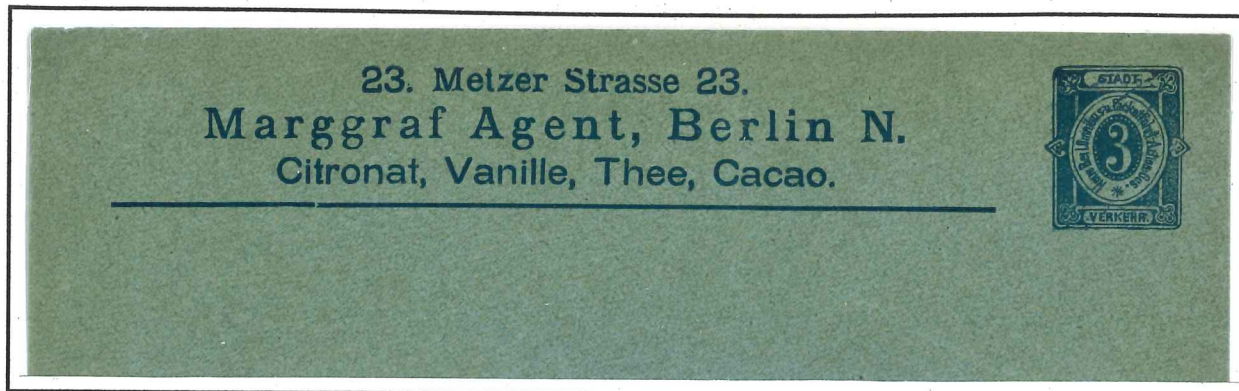
Lily of the valley also contains heart glycosides, but is not used in therapy today because the inaccurate dose may be a ...

... to be Admixture Agents in Drugs



Variant: Imperforated.

Vanilla ...



lemon, cacao ...



Latvian postal campaign cancellation 1936-1940 (Kuldīga 1937) means: "Sugar is nourishment and tasty".

sugar ...

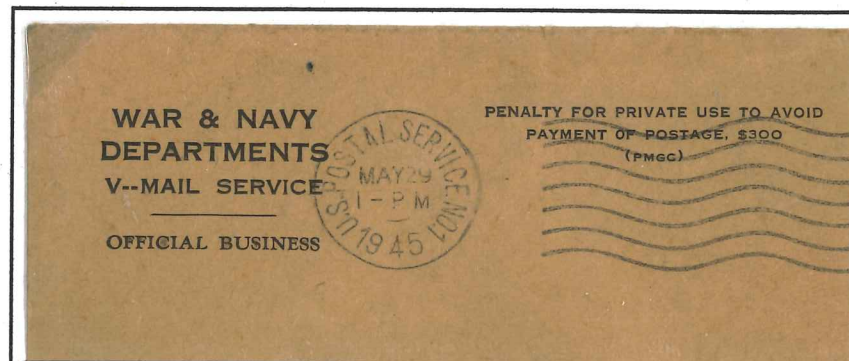
... and peppermint oil: cover disagreeable taste of many drugs.



Variant in block of four: The value is printed as "BAN" instead of "BANI" on the lower leftmost stamp.



Caoutchouc is used in the manufacture of adhesive plasters.



V-mail with envelope.



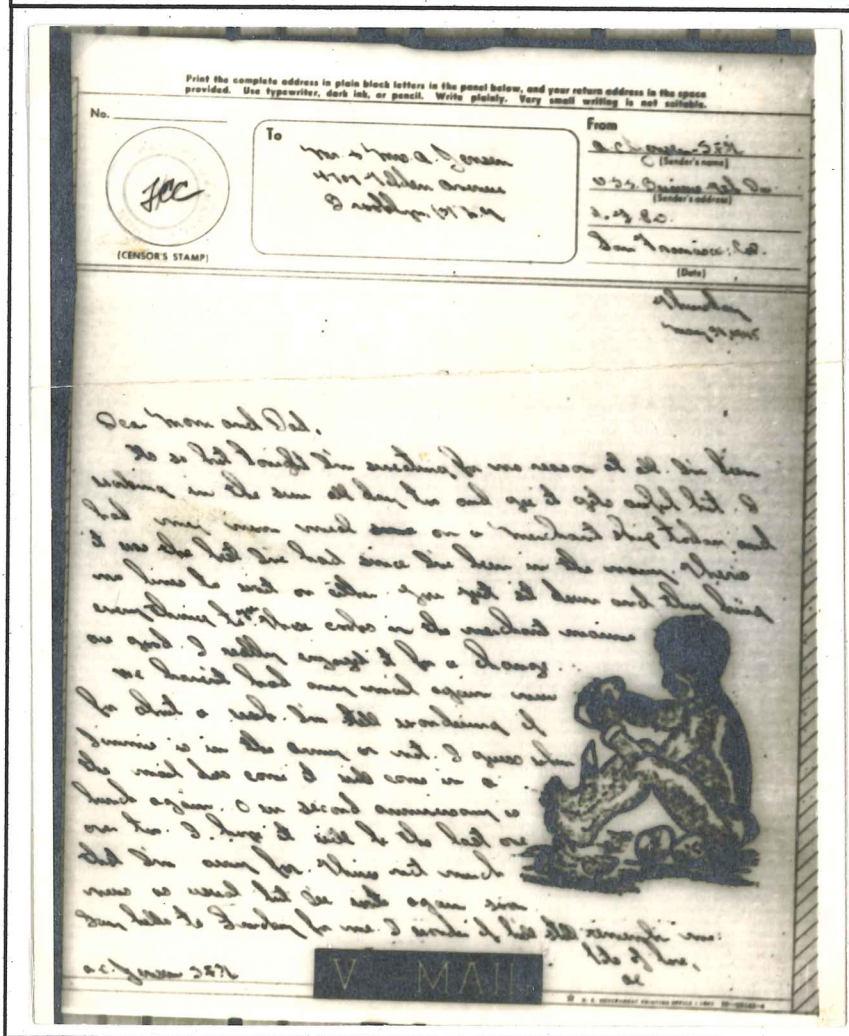
Coloring agents is important to distinguish between drugs and not make all of them white, by using ...



... the red bixin ...

Variant, double surcharge "7" (75 c).

... and the natural green chlorophyll.



"Native boy opening coconuts ("Cocos nucifera") with sharpened stick". Coconut oil forms a readily absorbable ointment basis, and is used as a basis for the preparation of mixtures of drugs unstable in water.

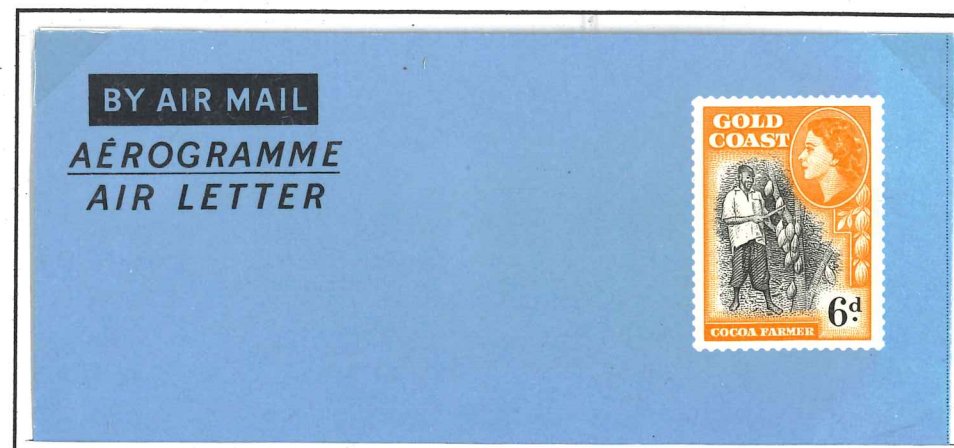


Letter from Vittoria 22.7.1804, disinfected with vinegar.

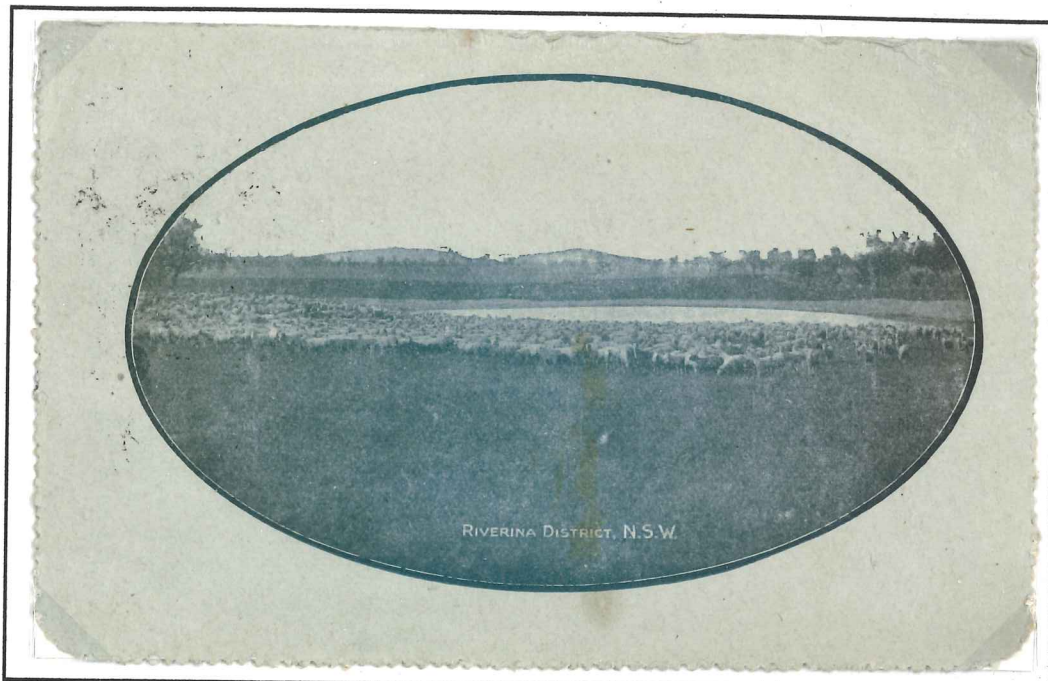
Vinegar have been used as an extraction agent in the preparation of drugs.



Preliminary (proof, no indicium) "Publibel card, Belgium postal stationery.



Cocoa also gives cocoa butter, a solid fat as a basis for some suppositories.



The sheep's wool fat (Adeps lanae) ...



Imperforate proof, overprinted.

... and hog fat (Adeps suillus) is used in some ointments.



TELEGRAMM-TELEGRAM



Bohemia and Moravia telegram, used 1941, including the envelope printed "777 Lx 10 (II-1940)" at the bottom. Copy (70 %) of the envelope is shown to the left. The envelope in full size is in the back.

Postal stationery 1915. Copy (50 %) of the front to the right.



Ordinary booklet perforation. 1911.



Imperforated pair.



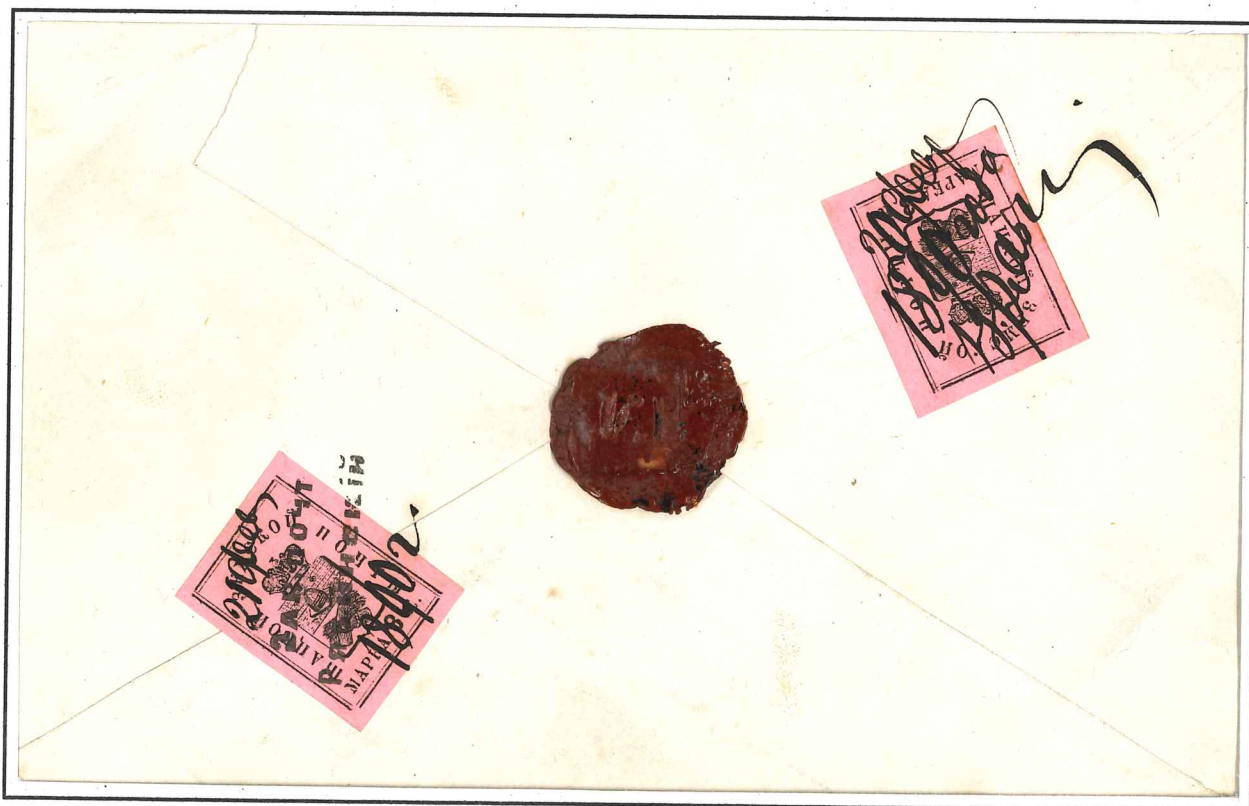
Honey is obtained from the comb of the hive bee, and is used as a sweetening agent, expectorant and relieving cold. The bees' wax is used in some ointments.

The Leech Lake was named for the lake, containing a remarkable number of leeches. The post office was reestablished for the last time in 1915 - 1930.

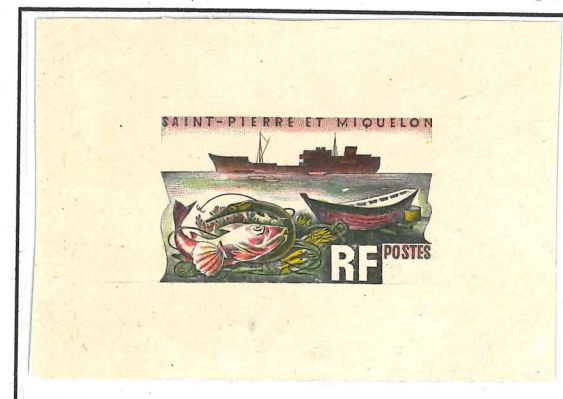


Broussais introduced ...

... leeches in blood-letting. It lost favour during the 19th century. Blood leeches have got a new era as anticoagulant in orthopedic surgery.



Russian Zemstvo of Shatsk, cover addressed to the Peasant's Court in Shatsk. Two sharp copies of the 3 kopecks, black on rose, Churchin No 12, imperforates, shows Beehive and Bees. One stamp is canceled by the handstamp of the head of post in Ryabinski, and both bear manuscript cancellations reading december 20, 1890. Both copies on back of cover with bees wax seal still complete. Certificate in the back.



Cod fish

Proof without value on ungummed tick paper. Stamp issued 1947.



Translation: "Cod-liver oil is cod-liver oil, - and can not be replaced!"

Cod-liver oil is the most important source for vitamin A and D. Newer knowledge about the importance of unsaturated fat to reduce too high cholesterol level, have introduced cod-liver oil in the fight against cardiac diseases.

Iron supplement, ferruginous, for anemia.

1929 Postal Union Congress, booklet edition 168, complete.

"Phosphatine falières" contains calcium phosphate for building bones, an all-around curative for growing bodies.

Stamp sheet from booklet, 1929.

Copy (70%) of the front. France (ca.1887): 15c letter-card with advertisements, sold for 5c.

Sulphur is widely used at some skin diseases.

Latvian cancellation, Kemeru 31.7.1939. The postal campaign cancellation was used only during 111 days (19.6.1939 - 7.10.1939), and means: "Kemeru mud and sulphurous waters - for health and rest".

Variety: Perforation 13 1/4 x 13, unissued, only 25 known stamps exists. (Perforation of the issued stamp: 12 1/2 x 13).

The great rise in baths, ... use of salt baths, as in Salzufen, ...

Stampless folded letter with the cancel "Salzufen", Germany.

Plate Proofs in black on ungummed thick white paper, imperforated, all from the right of the sheet (1861-78).

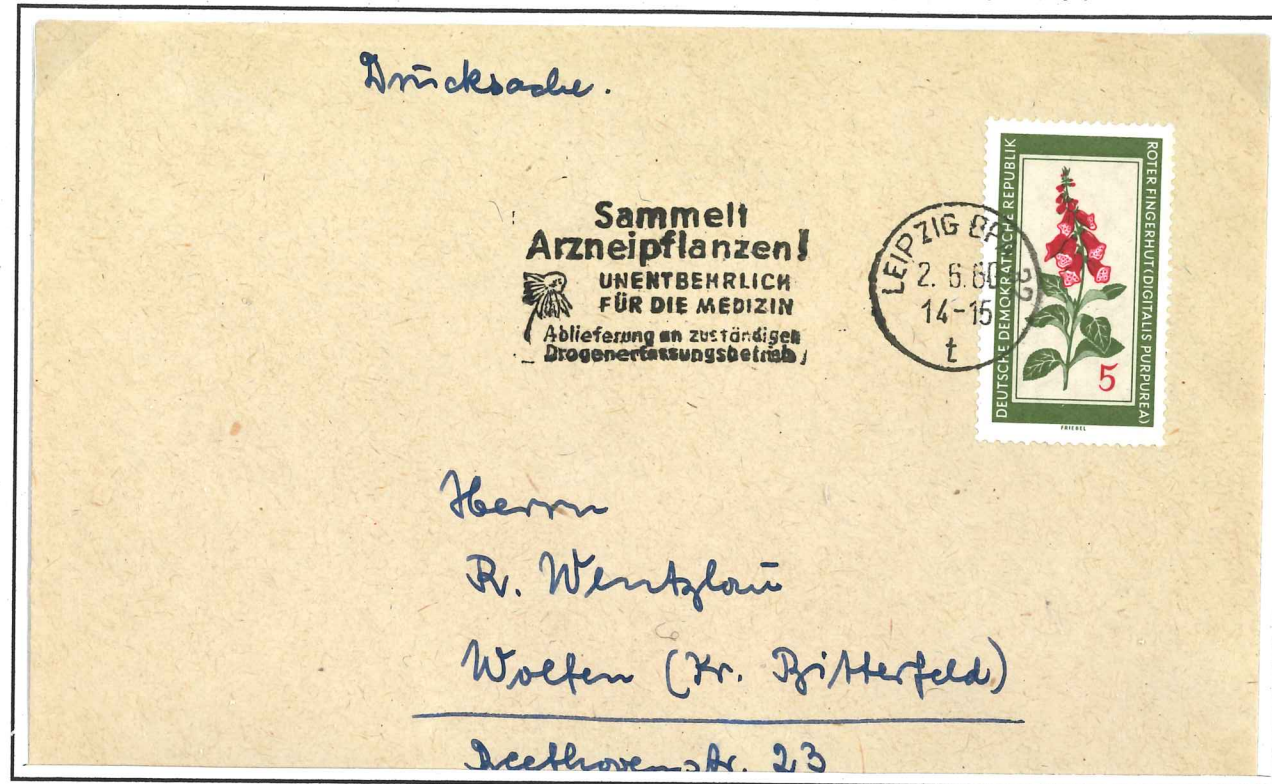


... and use of water, for example from the medicinal springs of Nevis, was reputed to contain numerous minerals of medicinal value. Cures for respiratory diseases, leprosy, burns, rheumatism etc. were claimed.

Packet of salt being emptied into beaker, for child survival.

Since ancient times man have collected drugs from natural sources, especially plants.

Proper horticulture and harvesting have been under surveillance.



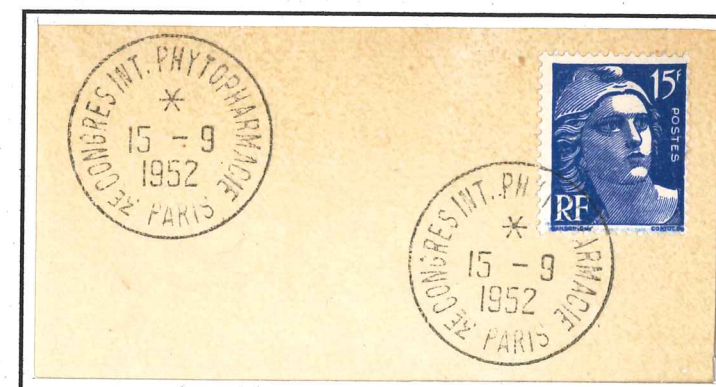
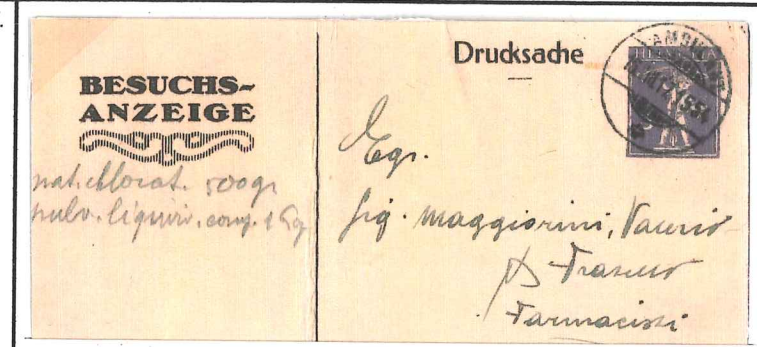
Crude drugs ("drogen") are the dried, unprepared material of plant, animal or mineral origin, used for medicine.

Dispensed "drogen" are distributed to be ...



Postal stationery, Switzerland 1917.

Copy (70 %) of the front to the right.



... studied by sensory methods, microscopic and chemical methods. Pfeffer did great studies of the physiology of the plants, "phytopharmacy". In 19th century the study was called pharmacognosy. Domac was the founder of the Institute of Pharmacognosy in Zagreb in 1896.

3. This resulted in a lot of Drugs, for example ...

a) ... to be used in the Surgery

The main problem for centuries was the pain ...

Belladonna leaves (contains atropine, hyoscyamine), ...



Imperforated in block of four.

... as well as the magic mandrake root (contains scopolamine), ...



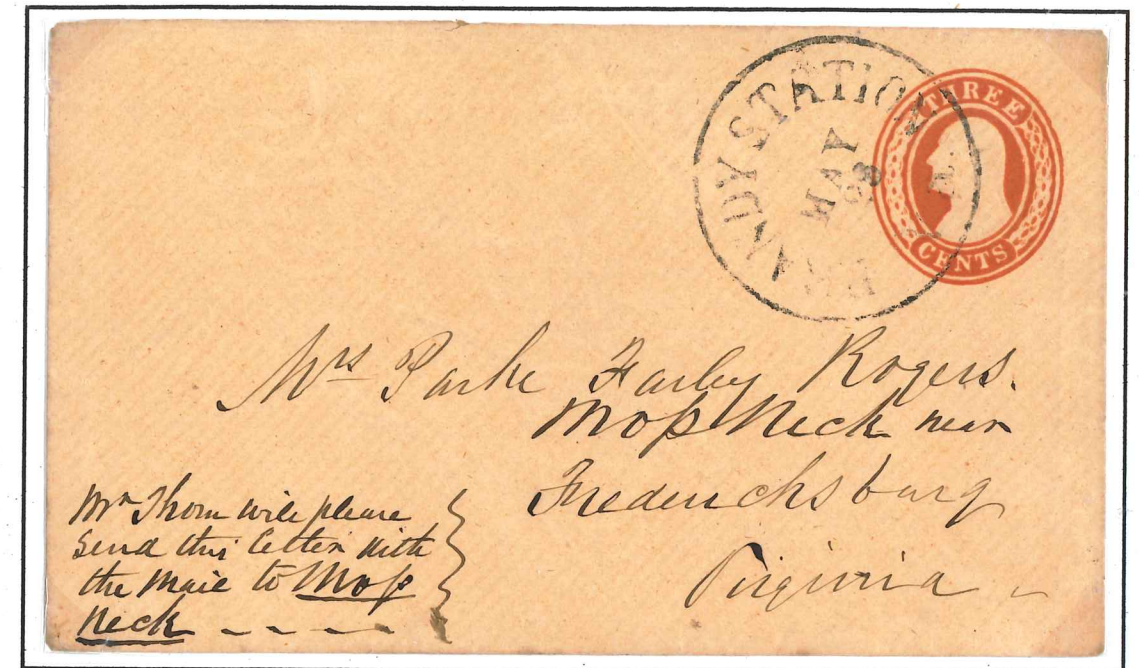
Copy (70 %) of the back.. Additional postage abroad.

Herrn
Anton van der Steen

... and henbane (Hyoscyamus); contains hyoscyamine and scopolamine:



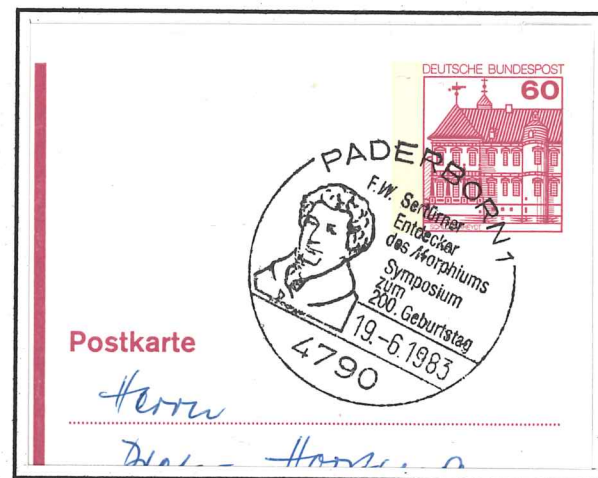
...and warming the herbs on a pan to produce narcotic fumes.



Cancellation: "Brandy station"

But for a long time a great dose of brandy was the best drug to relieve the pain.

Opium have been widely used, but the effect was variable, until ...



... Sertürner isolated morphine from opium. Morphine was at first given in the mouth, ...



... but after the advent of the syringe and needle, the injection was usual.



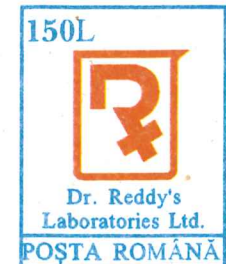
Variety: The printing is done on the gum side.

In modern surgery ...

PRODUSELE NOASTRE pentru SĂNĂTATEA DUMNEAVOASTRĂ



Dr. Reddy's Laboratories Ltd.
Reprezentanța în România
Str. Av. Petre Crețu nr. 74 - București
Tel/Fax: 223.31.84 E-mail: cris@dr.l.eunet.ro



Destinatar _____

Strada _____ Nr. _____

Blocul _____ Scara _____ Etajul _____ Apart. _____

Sectorul _____ Județul _____

Codul _____ Localitatea _____

... pain relief is initially given sometimes by non-opiate injections, for example by Ketorol (ketorolac).

3. This resulted in a lot of Drugs, for example ...

a) ... to be used in the Surgery

... until the emergence of anaesthetics



Laughing gas (nitrous oxide gas), discovered by Priestly in 1774, was used in surgery, but without great success ...

... except for dental use.



The back of New Zealand stamp (1893).



A new era in 1842 by Long's use of ether, published in 1848. Morton used ether in 1846 (Indian stamp), was regarded as the father of anaesthetics.



International Confederation of Midwives 20th International Congress Sydney 1984



Variant: Extremely wrong perforated and imperforated on the right.



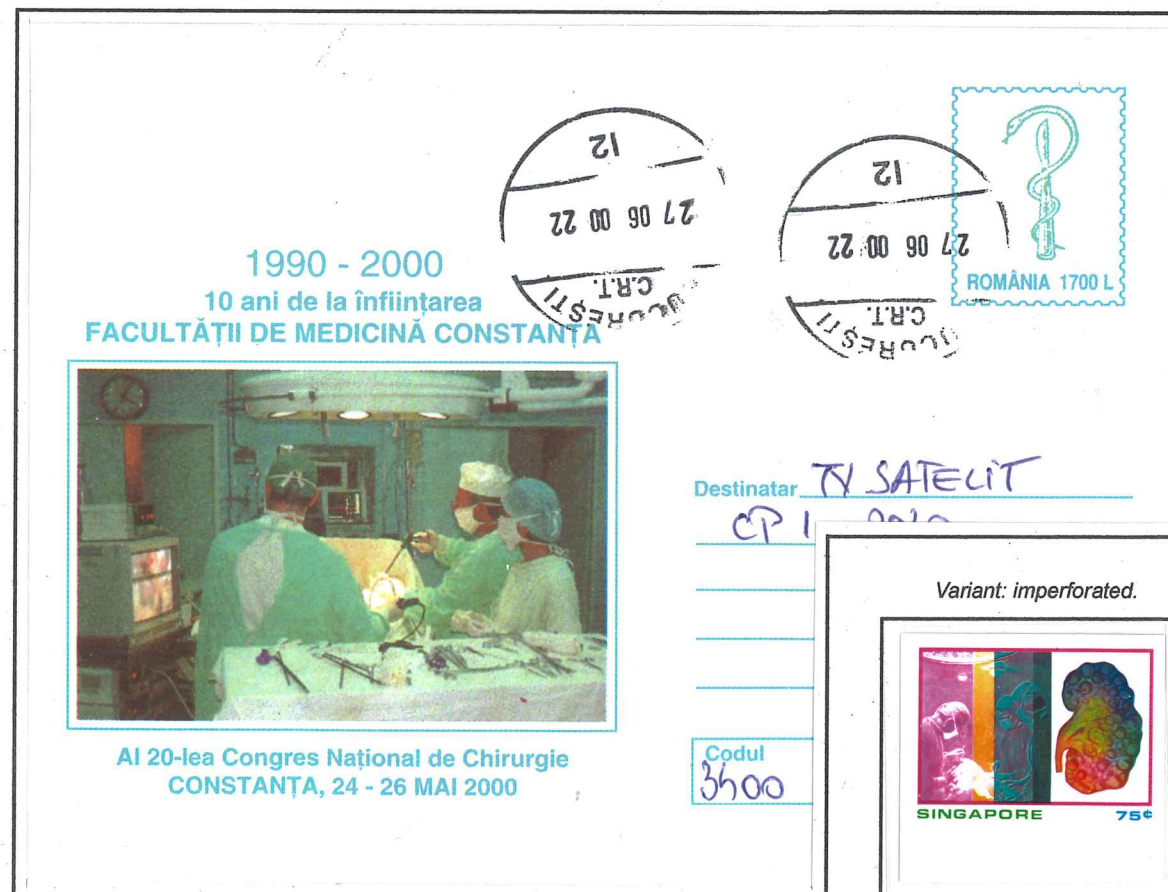
Center gutter block of four. Only one in center of sheet of 100 stamps.

Use of inhalation anaesthetics rapidly spread all over the world. Chloroform anaesthesia was introduced into Cuba by Nicolas J. Gutierrez y Hernandes.



Simpson gave chloroform by inhalation in 1847 ...

... to woman in childbirth.



... which make the surgery safer and make it possible to do new and more complicated operations.



de la Condamine in the middle

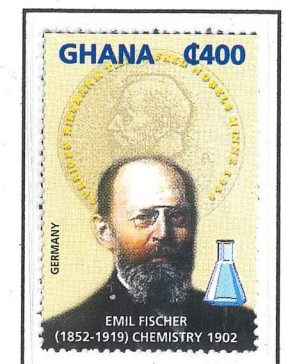
Curare, discovered by Charles Marie de la Condamine, used by Griffith as a muscle relaxants, making the surgeons's work easier.



Ether and chloroform have been replaced by modern anaesthetics, ...



Physostigmine, synthesized by Julian, is used to reverse the curare effect.



Barbiturate, first introduced by Fischer, achieved some success as intravenous anaesthetics.

Another main problem was the blood loss ...

Landsteiner's discovery of...

... blood groups, made it possible to use blood as a drug, ...



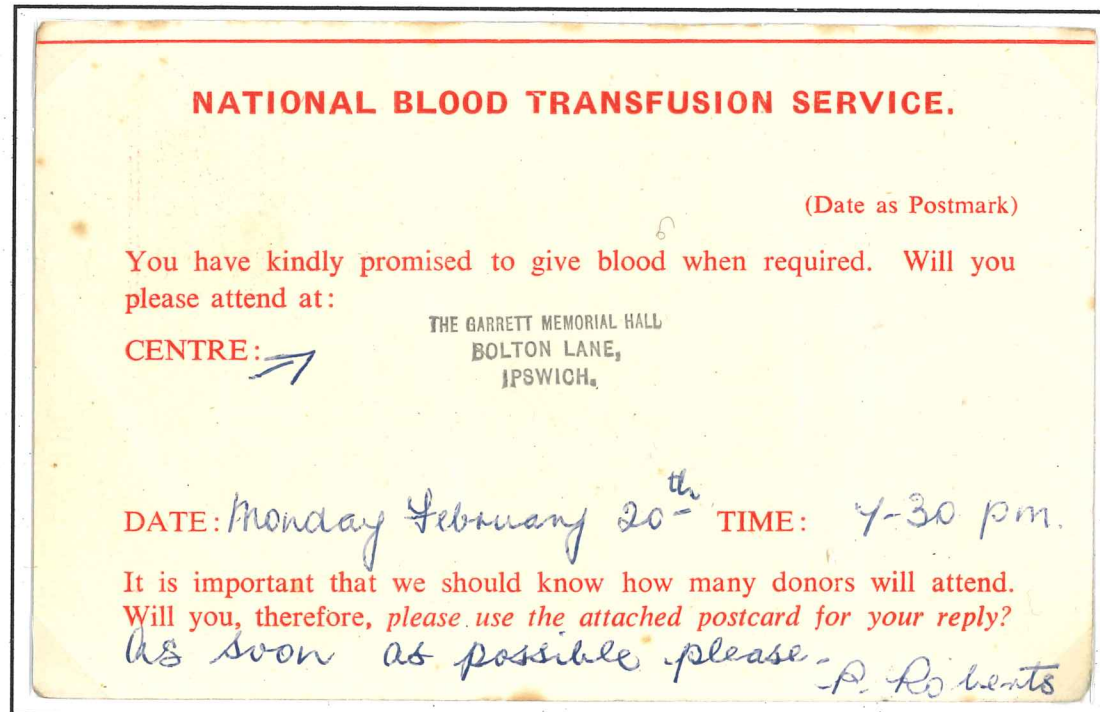
Imperforate proof.
Only about 10 copies exist.



... after Hustin reported admixture of citrate to prevent blood clotting.



Blood giving by donors ...

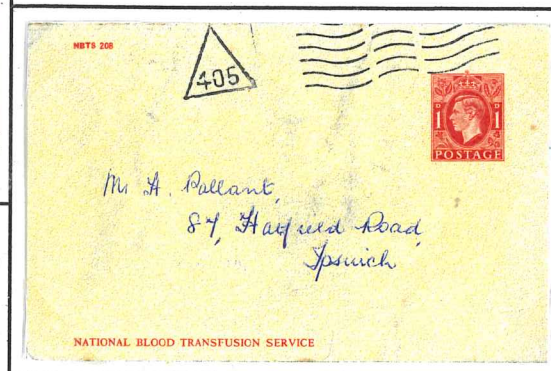


Postal stationery (1940)

Copy (50%) of the front.



... and Agote was probably the first to give citrated blood to patients, ...



Original accepted artwork for blood donation issue, 1971. Watercolor on posterboard measures 13 x 20 cm with signature on reverse.

... which resulted in many saved lives!



But another problem in the surgery was ...

Semmelweis proved that infections could be fought by hand wash and...

... calcium chloride as antiseptic.



Proof printing, imperforated on gum paper, in red-brown and without printing the facial feature. (Issued stamp in blue).



Lister introduced carbolic acid (phenol) to disinfect the operating theatre and treated wounds in surgery.



Another antiseptic is Chloramine (= Clonazone), and (translation): "Hydro Clonazone, used against infections in the intestine caused by polluted water".

The text on the protective inter-leave is made distinctly by using a white paper below.

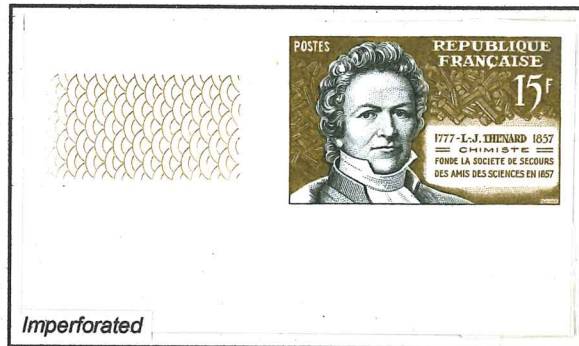
Copy (75%) of the booklets cover.



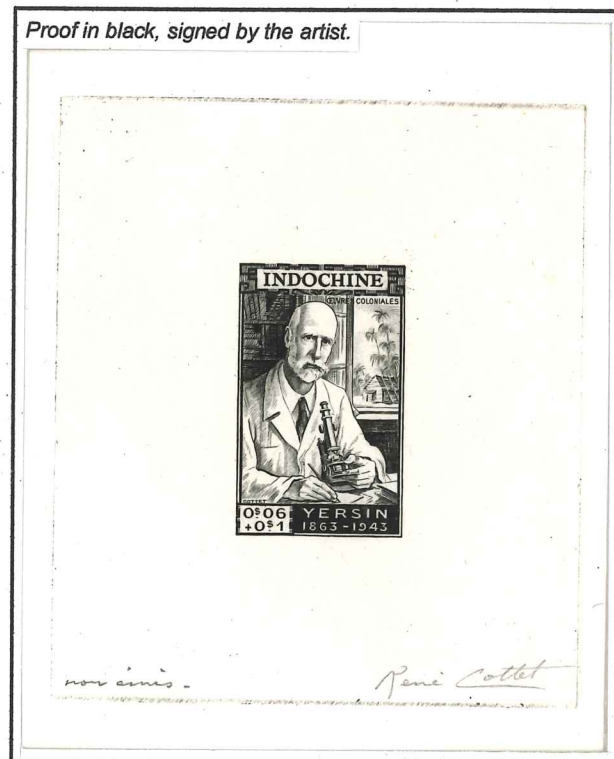
Hydrogen peroxide, discovered by Thenard, a disinfectant in cleansing wounds.

Yersin succeeded in the development of a serum against the plaque bacillus.

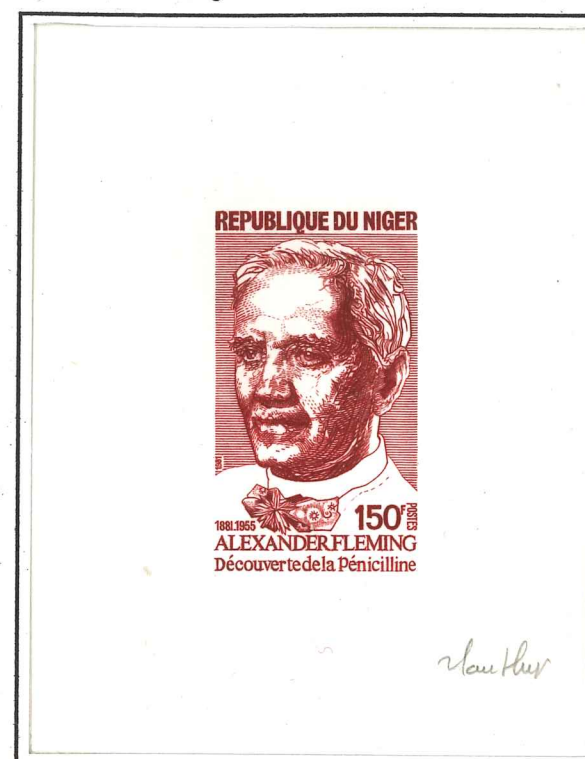
In 1928 Fleming discovered the first antibiotic ...



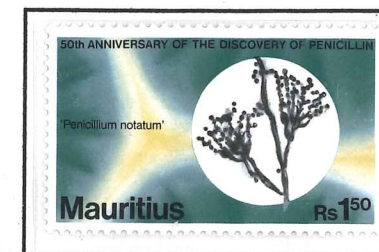
Imperforated



Proof in black, signed by the artist.

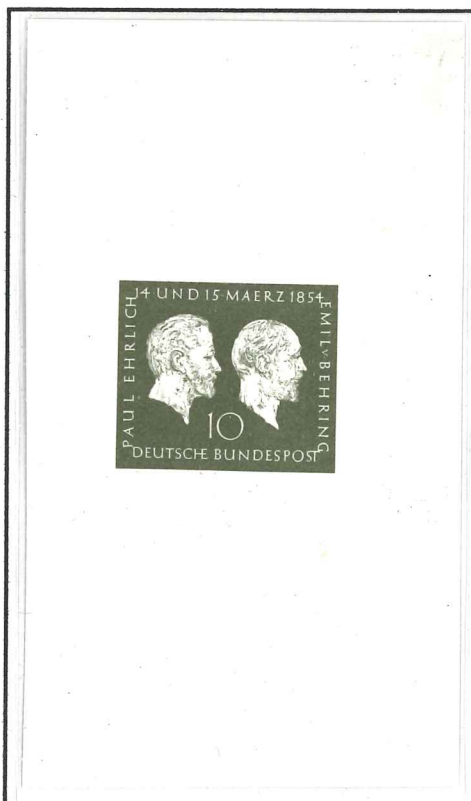


... from the Penicillium mould, and it was called penicillin.

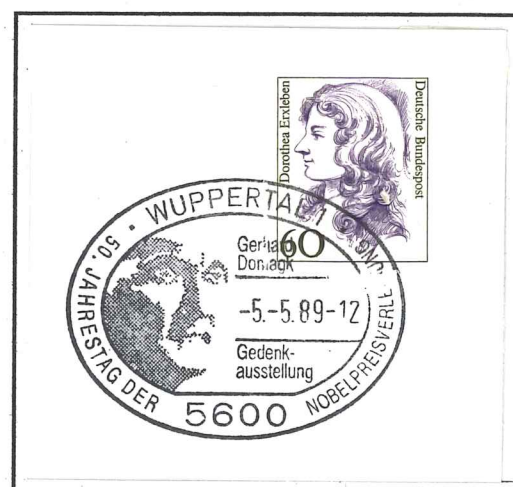


But the mould produced small quantities that it got no practical significance at first.

Imperforated essay in block (6x10cm) on ungummed paper, with diverging green shade.



Ehrlich introduced Salvarsan and Neosalvarsan against syphilis, and dyestuff against bacteria ...



... precursor to the first sulpha, developed by Domagk.

Another antibiotic is Chloramphenicol. It was used against many infections, like typhus, but now ...



Imperforated margin pair.



The second world war pushed on the mass production.

Proof in brick red, signed by the artist.

Variant: Unsuccessful impression of two stamps.

... mainly in the eye.

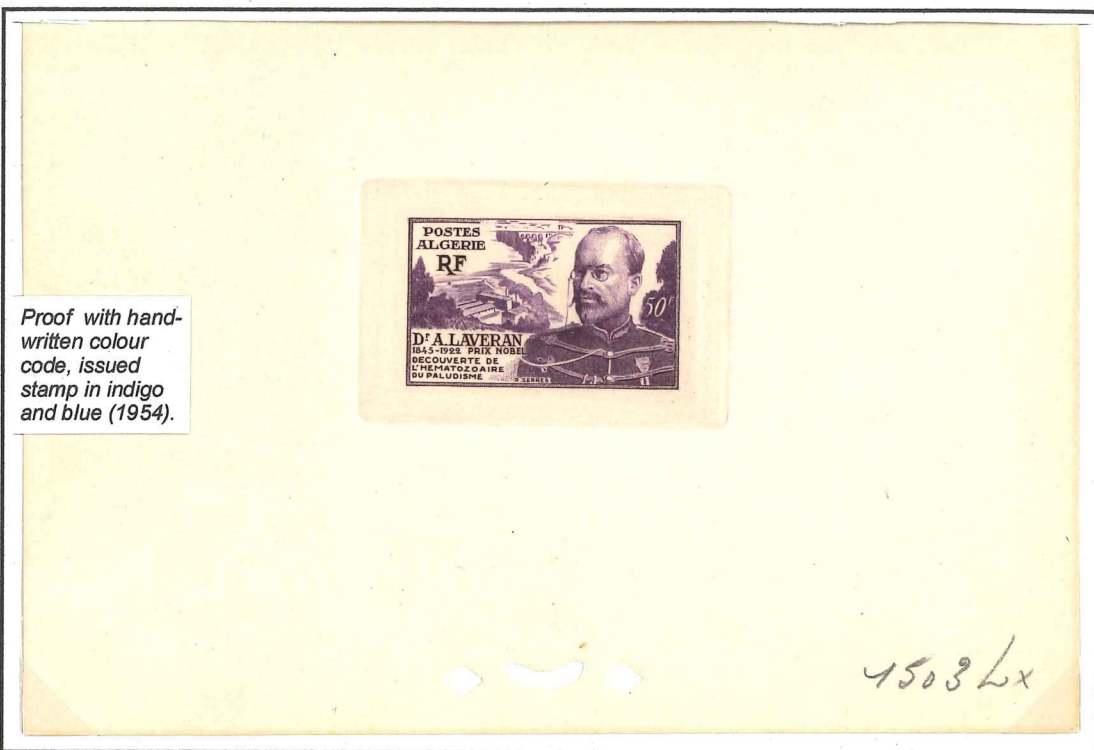


Variant: Extremely wrong perforated



In 1912 Gaspar Vianna developed injections of potassium antimonyl tartrate as a treatment for leishmaniasis.

Laveran discovered in 1880 the malaria parasite, ...



... as Malaria

... which is transmitted via the bites of infected mosquitoes.

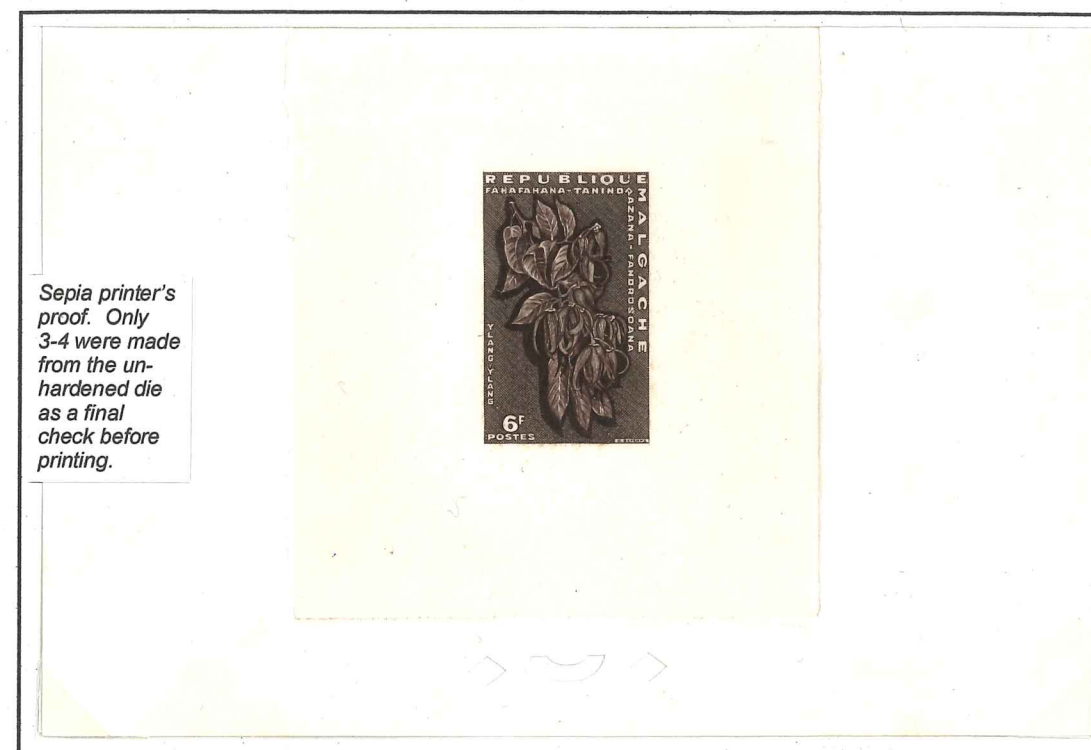


Variety: The mosquito is turned upside down



Pelletier and Caventou isolated ...

Ylang-ylang oil was noted for its antiseptic properties and used to treat malaria ...



... quinine, the first effective drug, from ... the bark of Cinchona officinalis ("China bark"), ...

দিন PIN

কুর!
ম্যালেরিয়া হতে পারে
ক্লোরোকুইন ট্যাবলেট খান

| বয়স (বৎসর) | 0-1 | 1-4 | 4-8 | 8-14 | 14+ |
|-------------|-----|-----|-----|------|-----|
| ট্যাবলেট | 1/2 | 1 | 2 | 3 | 4 |

(খালি পেটে খাওয়া নিষেধ)

... making it possible to administer constant and correct dosages of quinine.



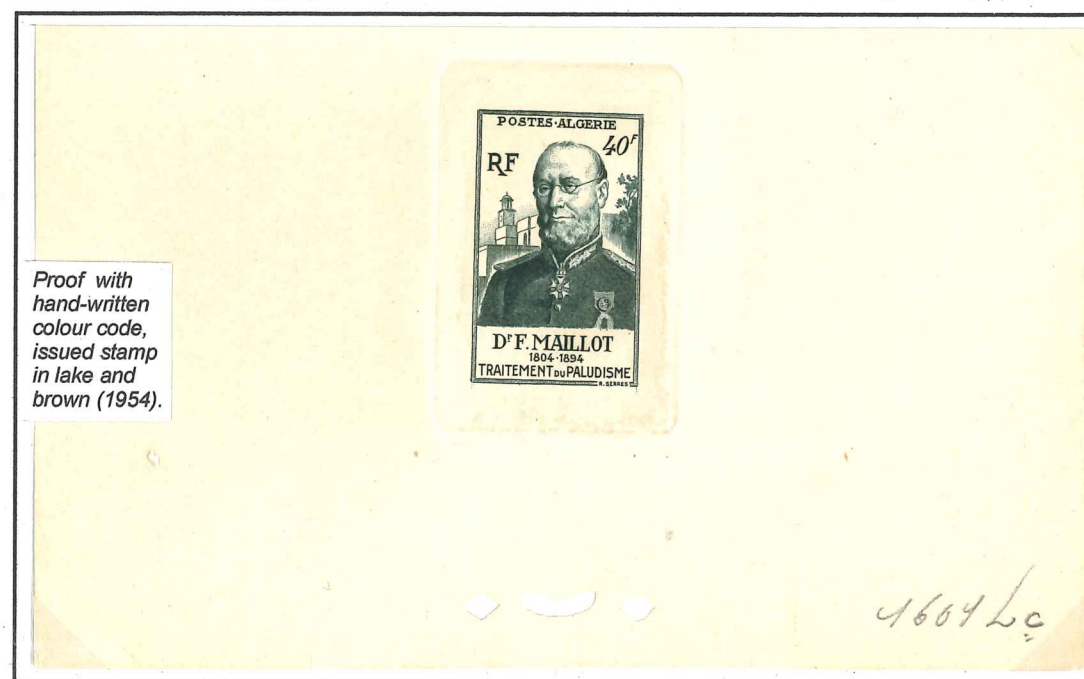
Copy (50 %) of the front



Copy (50 %) of the booklet's front.



Imperforated block of eight. Margin at top.



Proof with hand-written colour code, issued stamp in lake and brown (1954).

Maillot introduced quinine treatment for malaria to North Africa.



Deutsch-Südwestafrika (1912) booklet: some of the stamps have been removed. One protective inter-leave with some stamps from the booklet is shown.

Bernhard Hadra,
Medizinisch-Pharmazeutische Fabrik u. Export
BERLIN C2, Spandauer Str.77

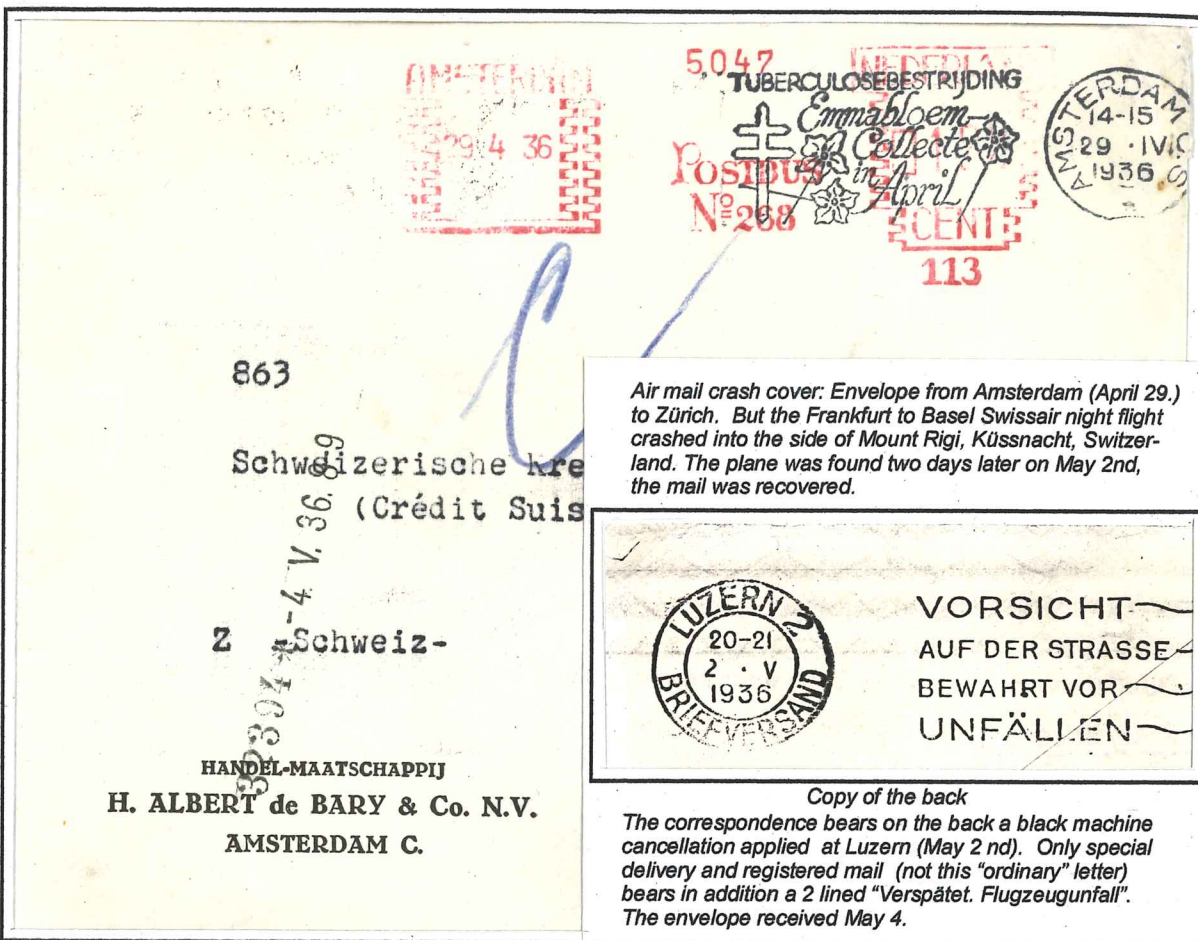
Ältestes Versandgeschäft der Apothekenbranche

liefert Tropen-Medikamente, Malaria-, Dysenteriemittel, chirurg. Instrumente, Verbandstoffe,

Vieh-Arzneimittel zu billigsten Exportpreisen

Verlangen Sie gratis und franko Preisliste der für die Tropen erforderlichen Medikamente.

.. and the supply of malaria drugs increased.



Air mail crash cover: Envelope from Amsterdam (April 29) to Zürich. But the Frankfurt to Basel Swissair night flight crashed into the side of Mount Rigi, Küssnacht, Switzerland. The plane was found two days later on May 2nd, the mail was recovered.



Copy of the back
The correspondence bears on the back a black machine cancellation applied at Luzern (May 2nd). Only special delivery and registered mail (not this "ordinary" letter) bears in addition a 2 lined "Verspätet. Flugzeugunfall". The envelope received May 4.

... as Tuberculosis

The tuberculosis is caused by ...

Imperforated proof-print, 1953, without gum; with control number at the reverse side.

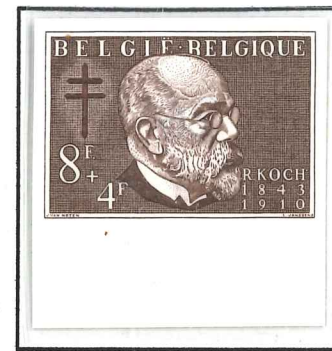


Prior development of drugs, the hope for the sick was Forlanini's artificial "resting lung", ...

... and the sanatorium, as the "Taagepera Sanatorium", ...

Estonia 1933: Imperforated block of four, never hinged.

... the tubercle bacillus, discovered by Koch in 1882.



Imperforated proof-print, 1953, without gum; with control number at the reverse side.



The tubercle bacillus typically attacks the lungs, but can also affect other parts of the body.



Complete set (1964) of two value, both in left marginal imperforated pairs.

... and high altitude and fresh air.



But the real fight against the tuberculosis started when ...



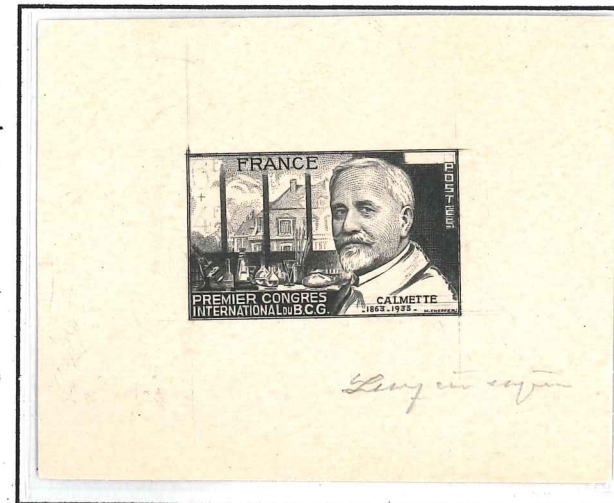
Imperforated proof-prints, 1953, without gum; with control number at the reverse side.



Imperforated proof-print, 1953, without gum; with control number at the reverse side.

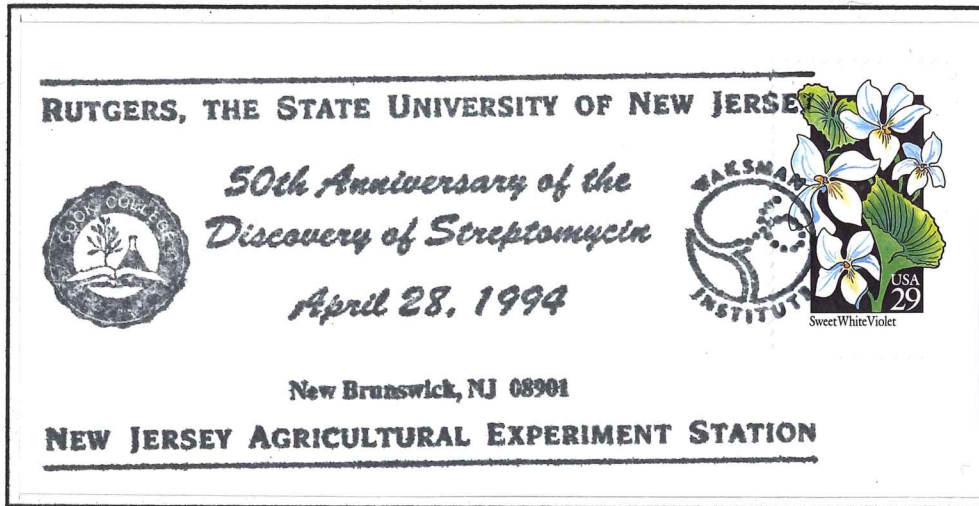
Calmette and Guerin developed a vaccine, ...

Artist's proof in black, signed and without printed value. Issued 1948 in dark grey-green, value 6f+4f.



Issued stamp (1974) and the variety without the black printing.

... called "BCG" (Bacillus Calmette-Guerin), first used medically in 1921.

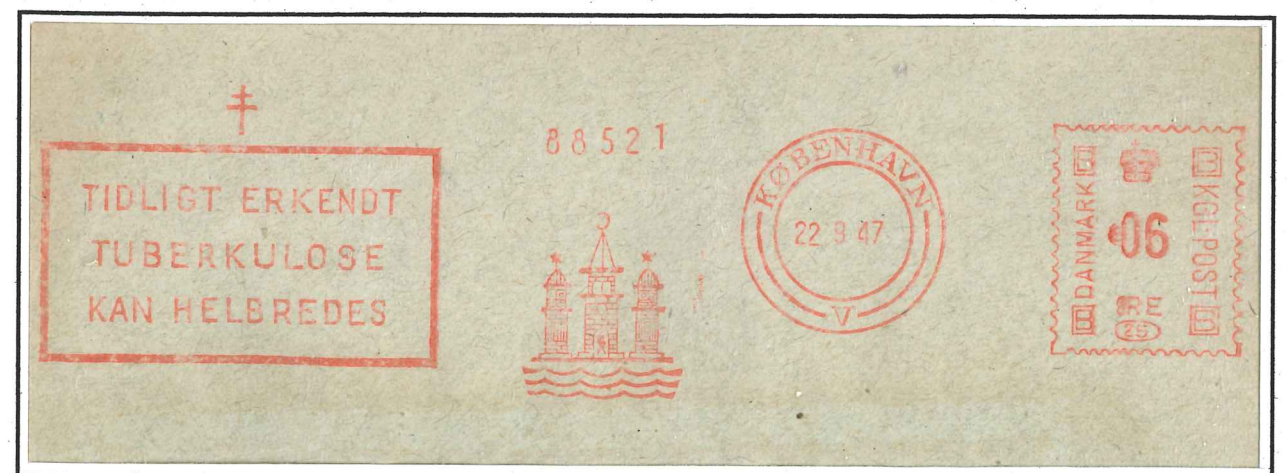


Waksman isolated the antibiotic streptomycin, a revolution in the treatment, ...



Variety in the block of four: imperforated at the right hand side. Certificate in the back.

... and "the fight against the tuberculosis" (translation from the stamps)



Early diagnosed tuberculosis can be cured (translation from the cancellation).

... as Leprosy



Leprosy, also known as Hansen's disease, named after Gerhard Armauer Hansen who discovered the leprae bacterium in 1873.



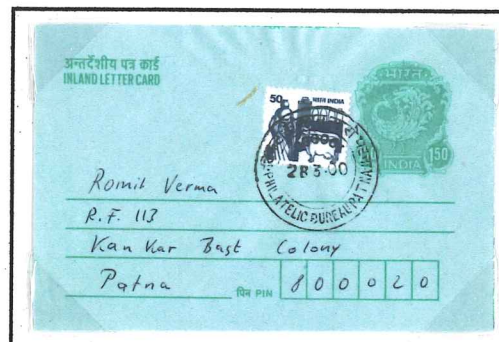
Colour trials to the issued 50p stamp (1973), 5 pairs of different colour on gummed paper.

Variants: Extremely wrong perforated.

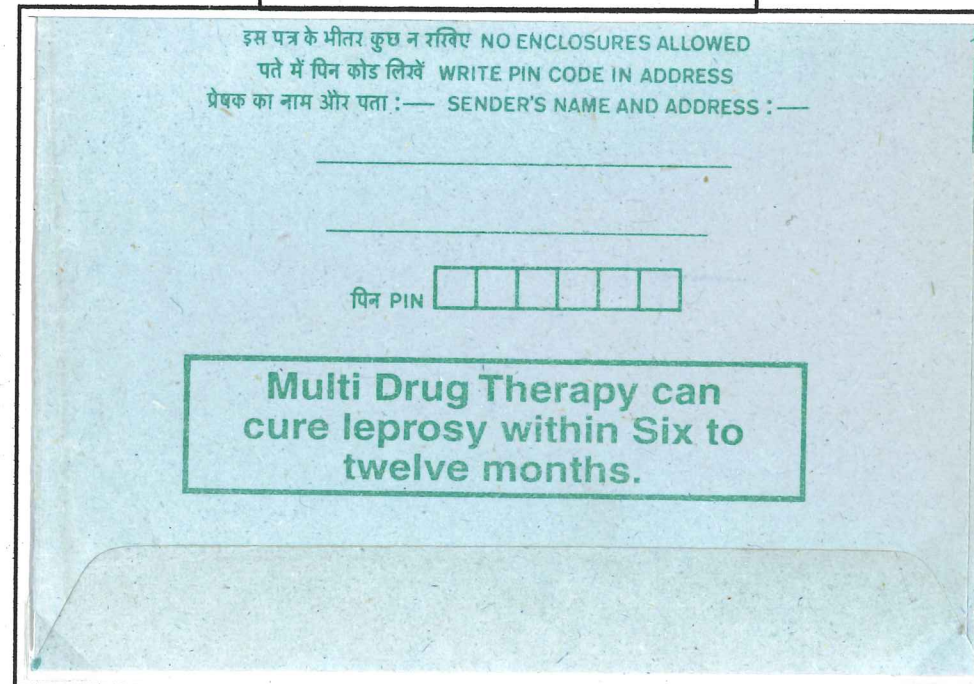


A common pre-modern treatment was chaulmoogra oil, from the plant Hydrocarpus, ...

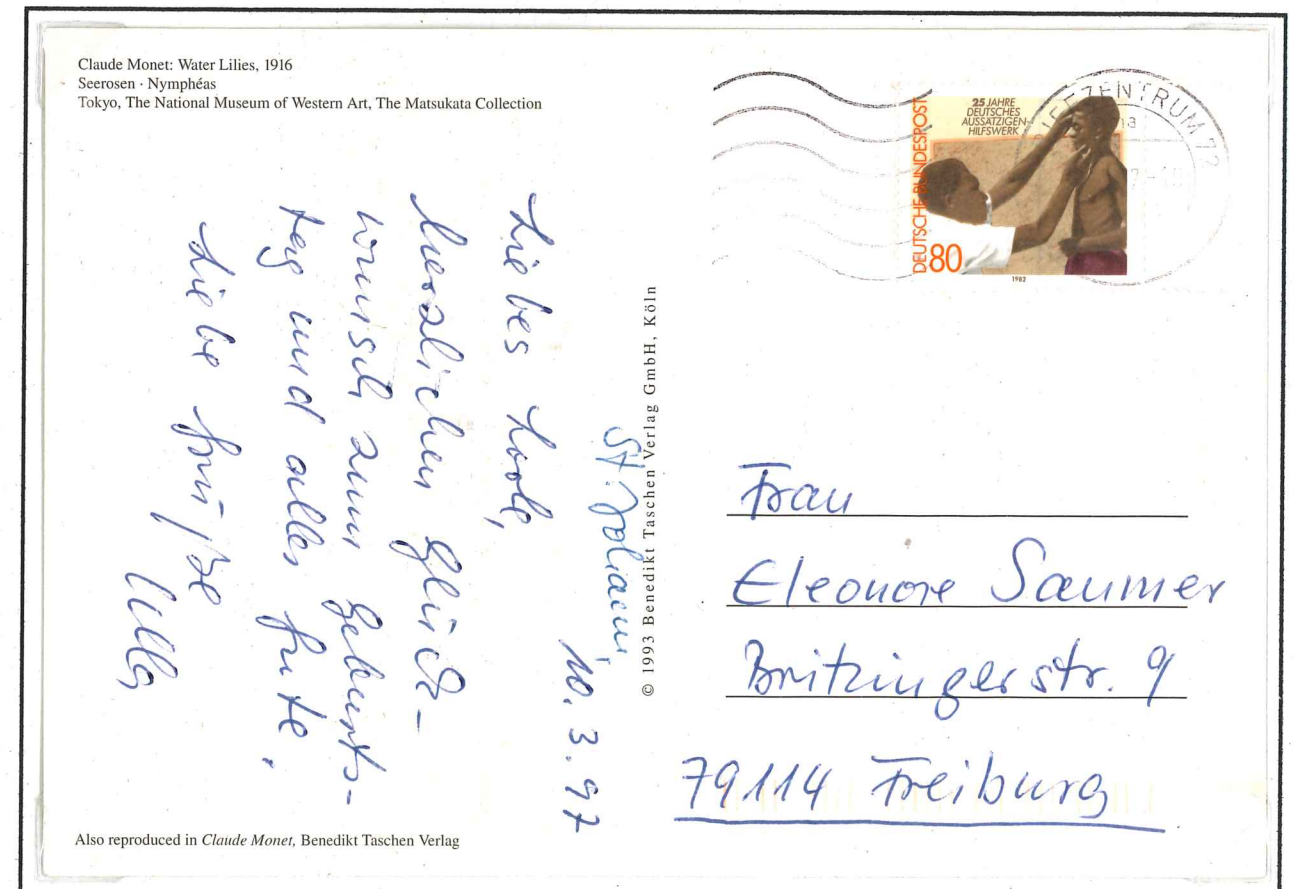
Copy (50 % of the front.



The stamp proof was printed on paper with yellow fluorescent in the front and the reverse. The proof is used on a postcard with correct postage and postal used. Stamp issued (1982) with yellow fluorescent only in the front. Certificate in the back.



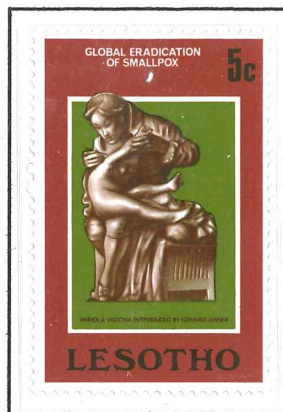
... until the introduction of dapsone in the 1930s. But the bacillus evolved resistance, and dapsone alone became virtually useless. The use of MultiDrugTherapy, combining three different drugs was recommended in 1981 and are still used.



A doctor examining the treatment of a leprosy patient.

... as Smallpox

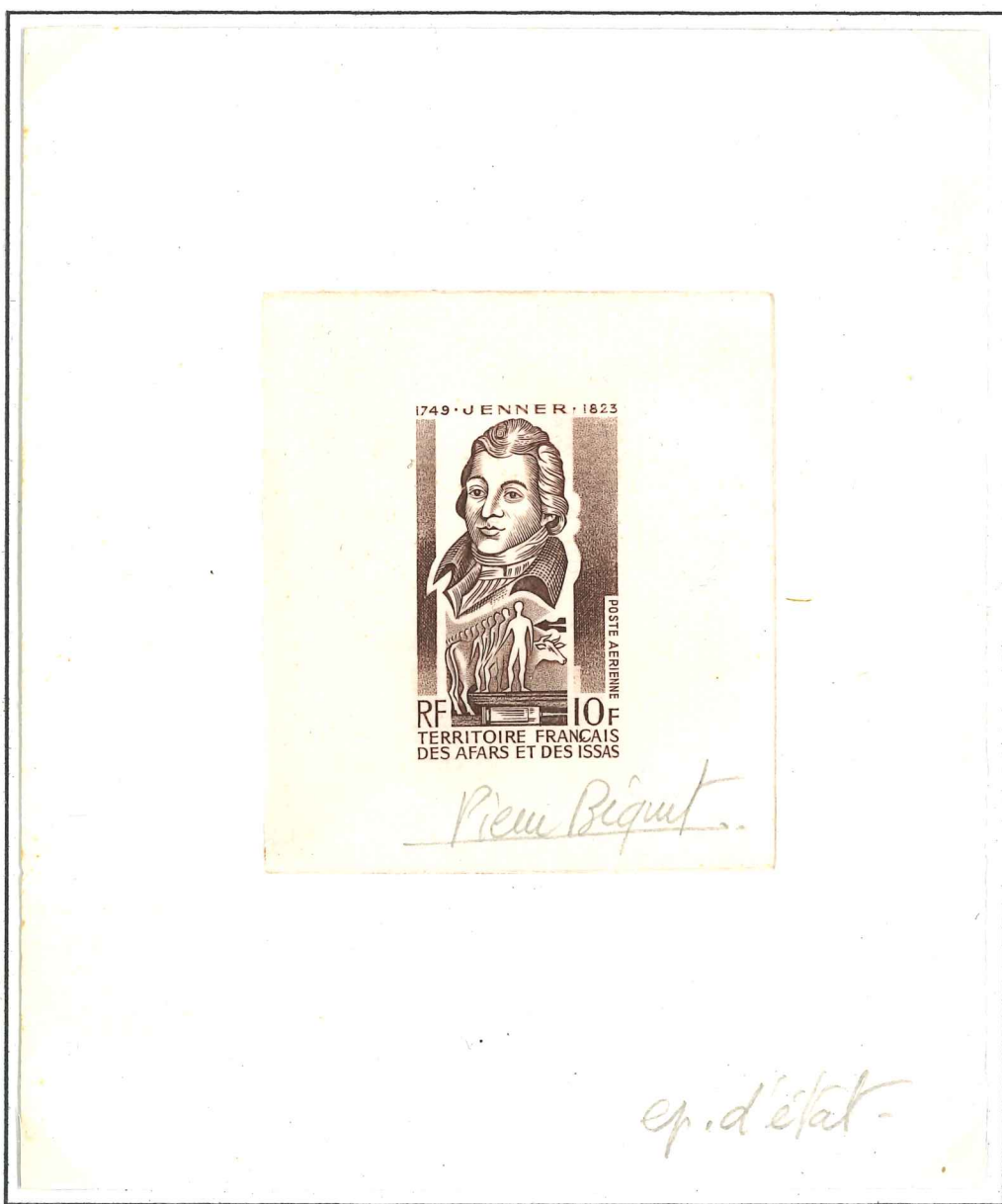
Since ancient times smallpox were prevented by variolation: Pricked smallpox pus into a healthy person.



Ingenhousz

Side effects were common, sometimes fatal, but Ingenhousz practice it successfully.

Jenner learned that people infected by smallpox from cows gained immunity against human smallpox. At the end of 1700 Jenner developed a smallpox vaccine: "The first great victory by drugs".



Stage die proof in black signed by the engraver Bequet, marked "ep. d'état". Issued stamp in 1973.

This form of certificate is to be used only in those cases where the original form, given on the Registration of the Birth, has been lost.

Form B.

THE VACCINATION ACTS, 1867 and 1871.



Medical Certificate of Postponement of Vaccination.

I the undersigned, hereby certify, that I have this day examined¹ _____

_____ the child of² _____ aged³ _____

born at⁴ _____ in the Parish (Township)

of⁴ _____ in the County (Borough) of⁴ _____ and am of

opinion that the said child is in the following state of health, namely _____

and is therefore not in a fit and proper state to be successfully vaccinated. I do hereby

postpone the Vaccination until the⁵ _____ day of _____

Dated this _____ day of _____ 18

(Signed) _____

⁶[Public Vaccinator of the Union (Parish) of _____]

Medical Practitioner duly registered.

NOTICE.—This Certificate is to be transmitted to the Vaccination Officer *in whose district the child was born*, or if that be not known, to the Vaccination Officer in whose District the child was examined.

If the Certificate be given by a Public Vaccinator, it is *his* duty to send it to the Vaccination Officer, but if it be given by any other Medical Practitioner, it is to be transmitted *by the parent or person having the custody of the child*.

In either case the Certificate must be transmitted within *seven* days after the examination of the child upon which it is founded.

The transmission may be by post. A stamp is affixed.

FORD & TULL, Printers, Long Acre, London, W.C.

DIRECTIONS for filling up this Certificate.

Insert in the blank spaces the following particulars:—

1. Child's Name and Surname.
2. Father's or (if the child be illegitimate) Mother's name and surname.
3. Child's age.
4. Insert No. or name of the House, & name of the Street or Road, and Parish, and County.

5. This must not exceed two calendar months from the date of the certificate.

6. If the person giving the certificate is not a Public Vaccinator, strike out this line.

To the Clerk of the Guardians,

_____ Union.

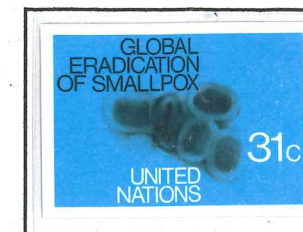
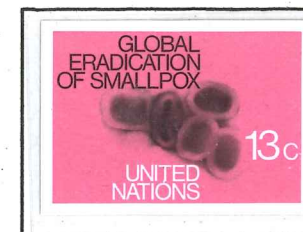
(Postal Address) _____

For the Vaccination Officer of the

_____ District.



In 19th century in Britain the vaccine was offered free, but in 1871 the vaccination was made compulsory. This certificate was for delay of vaccination of a child on valid medical grounds.



Imperforated proofs of the issued stamps (1978).

And the fight succeeded: Smallpox was declared eradicated in 1979.

Copy (50 %) of the front of the postal stationery.

Popular relieving drugs at cough and bronchitis was Pastilles Louis, ...

France 1891, 15c inland postal advertisement letter, opened at bottom.

... Bonnington's Irish Moss, ...



The back of two New Zealand stamps (1893).



From the back: The postage of the advertisement letter (1909) was 5 centimes, but sold for 2,5 centimes.

... and the Wybert drug. In 1846 during a influenza epidemic in Basel, the "Goldenen Apotheke Basel (Gaba)" produced the drug after a prescription from doctor Emanuel Wybert obtained from America.

The label "Säure -Therapie. Prof. Dr. v. Kapff": The label was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (039) and control number (2509).



Booklet 1925: Copy (50%) of the booklets cover to the right.

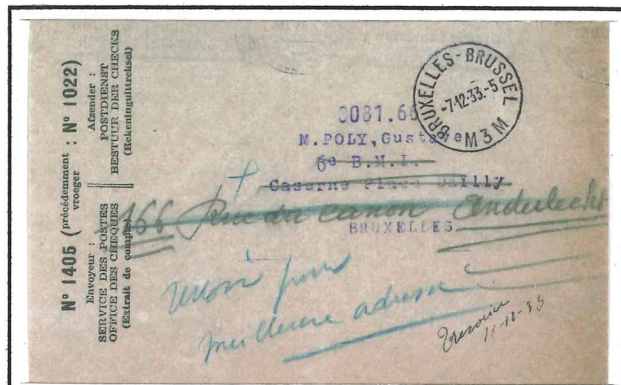
Oxymenthol, the advertising drug, have been used against cough and cold.

"Säure -Therapie" means the inhalation of gaseous acids, mainly used against asthma and bronchitis. It was introduced by Sigmund von Kapff around 1908 and was used in Germany in the first half of the 20th century.

Résyl, the advertising drug, contains the expectorant guaiphenesin, and have been used against cough and bronchitis.



Booklet 1929: Copy (50 %) of the cover.



Copy (50 %) of the front: Postal advertisement letter, free postage.

Inhalation antiseptique de poche

INHALENE

EN VENTE dans toutes les Pharmacies

Antiseptique volatil puissant des voies respiratoires

LE FLACON DE POCHE 5 fr. LE GRAND FLACON 15 fr.

PUBLICITY OFFICE, 86, av. Rogier, Brux. Tél. 15.69.00. — Toutes publicités.

The use of antiseptic inhalation drug.

Relieving sore throat and cough.

10 CARTES POSTALES DE FR. 0.40 = 4 FR.

Pectoral Dupuis

Soulage et guérit

TOUX, RHUME, CATARRHE, Bronchite, Enrouement, etc. Mal de gorge, Conterche, saignée, pleurésie, etc.

10 à 12 par jour

Pharmacie à JUMET

Composé de BAIES CALMETES ANTISEPTIQUES de PLANTES ÉMOLLESSES d'ESPÉCÉS SÉLECTIONNÉES, cette formule d'un goût agréable, est supportée par les personnes les plus délicates.

Carte postale: N° 1405, Bruxelles, 1930. Includes a 40c stamp.

Complete booklet with ten 0,40 fr. postal stationery (1930). One postal stationery is partly shown.

The back of New Zealand stamp (1893).



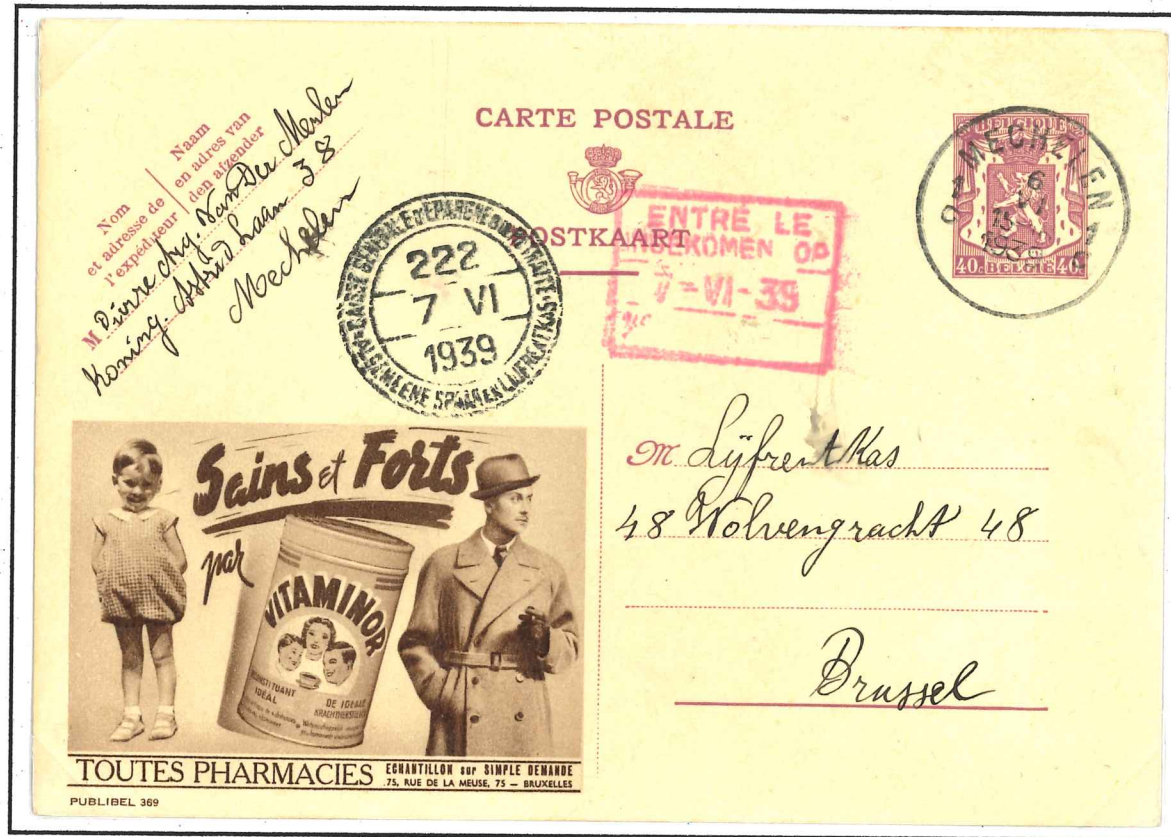
Drugs against asthma:



... as the Potter's cure: with alkaloids as hyoscyamine from the thornapple (Datura stramonium) leaves.

3. This resulted in a lot of Drugs, for example ...

Vitamins are essential for normal growth and development of the body, and ordinary diet will usually not give vitamin deficiency. But diseases or too little consume may give deficiency diseases, and needs for vitamin supply.



The hips from the dog rose and ...



Variety: wrong perforated. Certificate in the back.

... citrus fruits, like the lemon, is noted for its high vitamin C level. The deficiency is called ...



Variety: imperforated, from the upper right corner of the sheet. Certificate in the back.

... scurvy. Captain Cook was a pioneer in prevention and treatment of scurvy among his sailors.



Variety: imperforated sheet margin pair in issued colours (1932).



Funk made an effective extract against beriberi and called it "vitamin", later known as vitamin B₁ = thiamine.



Imperforated margin pair.



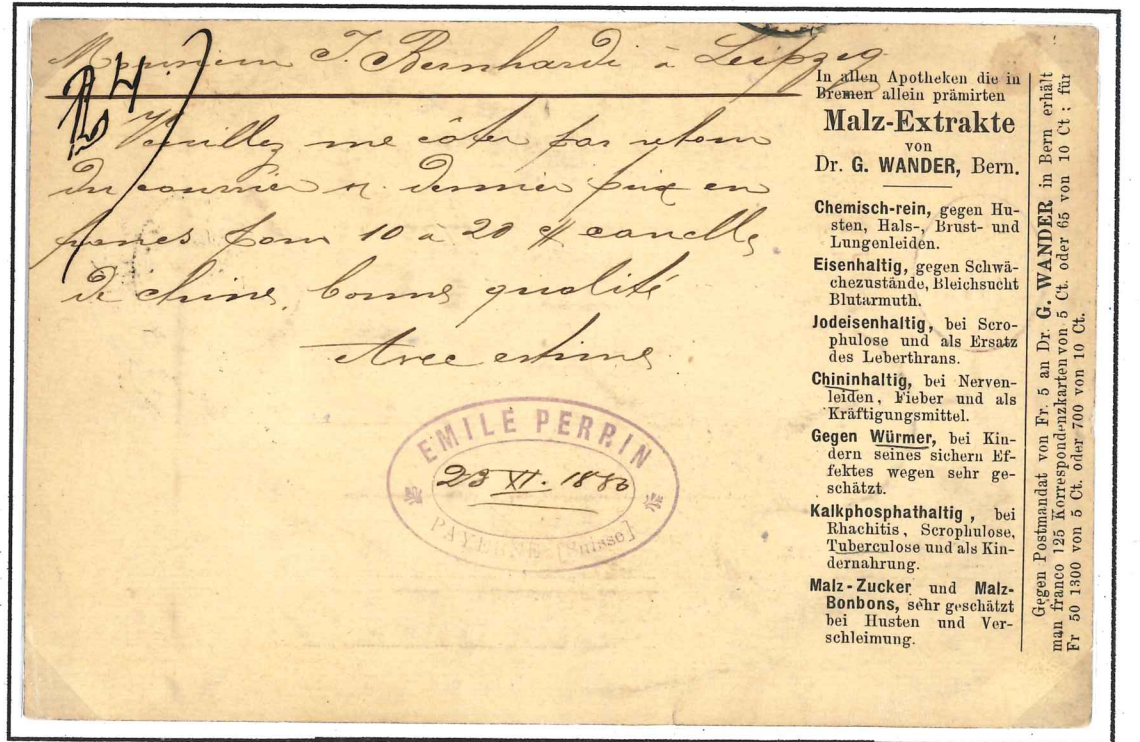
Two different postal stickers on dispatch notes, from 1992 below and from 1994 on the right hand side. Free postage for the blind.



Lecin, trademark of lecithine, has been given in malnutrition, but satisfactory evidence of efficacy is lacking.



The chemical structure of vitamin A was described in 1931 by Karrer.



Malt extract added with minerals: nutritional supply at malnutrition.

Copy (50%) of the front.

Vitamin A is important or the vision, and the deficiency may cause blindness.



...in the stomach-intestinal canal ("gastroenterologie")



Soda ("natron", sodium bicarbonate) neutralizes the acid in the stomach to relieve the pain and have been widely used.

Copy (50 %) of the booklets cover.



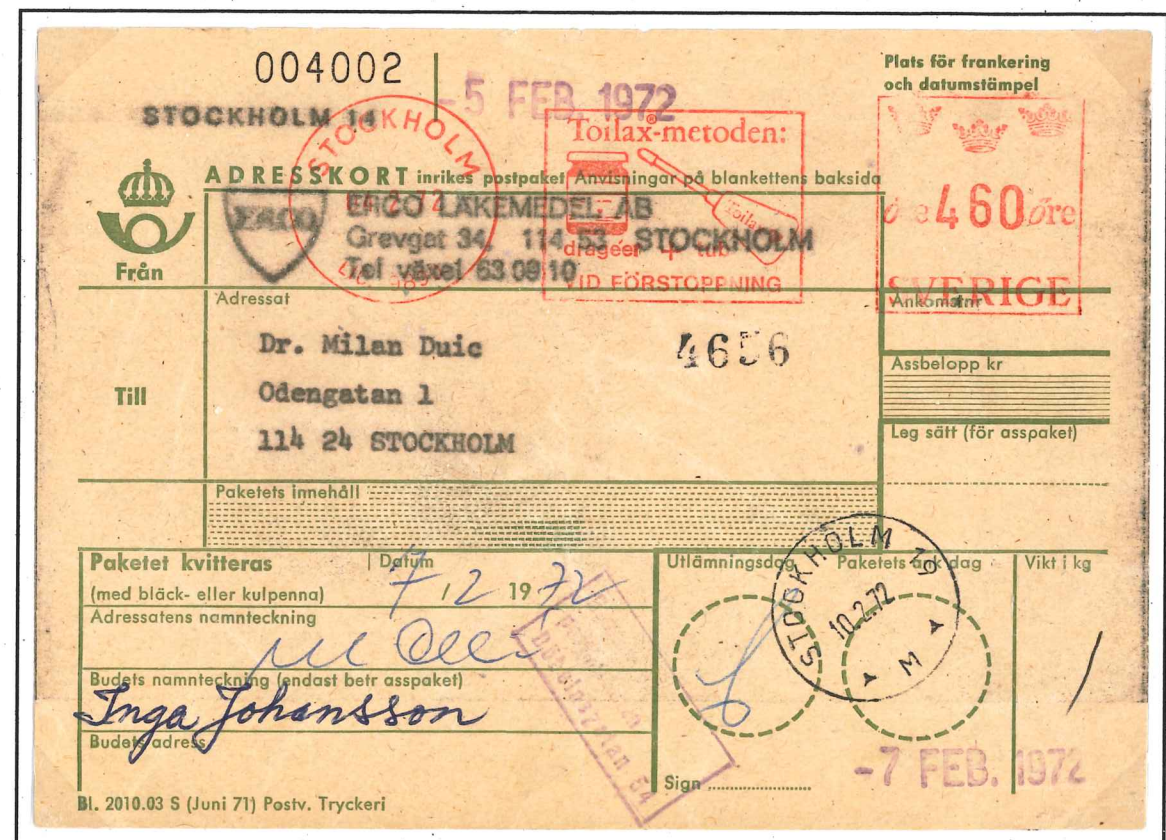
Another drugs against the stomach acid are "Peceamag" and "Méral".



Drug against constipation.



These pills contains ten (!) active ingredients against constipation.



Toilax (bisacodyl) tablets and enema effectively emptying the bowel.

HALLETT'S POSTAGE ADVERTISER.

No. 1.—JUNE 17, 1810.

The plan of this work is to sell the Envelopes at 8d. per dozen to Advertisers, and to the Public at 10d. Every Advertiser shall be at liberty to draw (if he pleases) after the rate of one dozen stamps for every line of his advertisement, by which the circulation will be, in a great measure, in their own hands. Nevertheless, the Proprietors will sell to the public the whole, should the advertiser not require them. It is hardly necessary to say, from the great reduction in price, they are immediately bought up by the public, and the edition being 5000, added to its novelty, offers a medium for publicity hitherto unprecedented; and means will be used for each advertiser to see that that number is really printed.

Ease and Comfort in Shaving.
MESSRS. B. and S. COWVAN have now completed their invaluable QUADRILATERAL CHINESE RAZOR SHARPENER, the use of which renders the operation of shaving no longer painful to the most tender skin. By a very simple process the keenest edge may be speedily given to the bluntest razor or penknife. To be had wholesale, of the Proprietors, B. and S. Cowvan, No. 184, Fenchurch-street; and retail, of all respectable perfumers, &c., in the United Kingdom, price 5s. 6d., 7s. 6d., and 9s. 6d. Also may be had, Cowvan's Canton Razor Strop Paste, at 6d.

GLOBES.—To Schools and Families.—NEWTON and SON, beg to inform Tutors and others, that they keep constantly on Sale, at their manufactory, a large assortment of the above useful and ornamental Articles, at all prices, and in great variety of elegant and tasteful mountings. These globes have met with the highest approbation from many distinguished scientific societies, and have been honoured with the notice of some of our first astronomers. —Manufactory, 60, Chancery-lane, where lists of the prices may be obtained gratis. N. B.—A few pairs of second-hand globes, in good condition, to be had at reduced prices.

WINDOW CURTAINS, CARPETS, FURNITURE.—Window and Bed Curtains in rich Damasks, Tabbarets, Chintzes, &c., at one-half the usual charges. Carpets of the most elegant patterns, Sixpence a Yard under any house in London. Rugs, Printed Druggets, Floor-cloths. A splendid stock of Seasoned Cabinet Furniture of the newest designs, from which houses or apartments can be furnished in a few days.—WALKER & Co., 108 and 109, High Holborn (near Day and Martin's), Cabinet Makers and Upholsters and Decorators.

SEASONED FLOOR CLOTH, at 2s. 6d. the square yard. JOHN WILSON begs to inform the Public that he has in hand a large assortment of well-seasoned FLOOR CLOTH, which he is selling at 2s. 6d. the square yard, cut to any size.—Wilson's, 253, Strand, near Temple Bar, opposite Essex-street. Established 1815.

The best Aperient and Antibilious Medicine for occasional Use.
FRAMPTON'S PILL OF HEALTH effectually relieves the Stomach and Bowels by gentle relaxation, without griping or prostration of strength. They remove Headache, Sickness, Dizziness, Pains in the Chest, &c., the first dose; are highly grateful to the Stomach, promote Digestion, create Appetite, relieve Langour and Depression of Spirits; while to those of a full habit, and free livers, who are continually suffering from Drowsiness, Heaviness, and Singing in the Head and Ears, they offer advantages that will not fail to be appreciated. X F
Sold by Prout, 220, Strand, London, price 1s. 1½d. per box; and by most Medicine Venders in the kingdom.

HALLETT, WORKING BRUSH AND OOMB-MAKER, IVORY and HARD-WOOD TURNER, 83, High Holborn (nearly opposite the George and Blue Boar Inn). HALLETT'S TOOTH-BRUSHES, FROM WHICH THE HAIR DOES NOT COME OUT. The serious com-

Copy of inside advertisement:

Aperient and antibilious pills.

Mulready envelope, 1d advert letter sheet.

Stamps from the booklet.

POSTALE

Società Italo-Britannica

L. Manetti-H. Roberts & Co.

Via Carlo Pisacane

FIRENZE (110)

Copy of the front.

Agarol emulsion contains 32 % liquid paraffin: widely employed in constipation and other painful conditions of the anus and rectum.

Ecrivez lisiblement les adresses Pour Paris indiquez le N° de l'Arr^t pour la province le nom du Dép

véritables

GRAINS DE SANTÉ DU D^r FRANCK

MEILLEUR MARCHÉ

30% sur tous les PRODUITS similaires

Affections du Foie — Congestions — Migraines

CONSTIPATION

1 ou 2 GRAINS avant le repas du soir

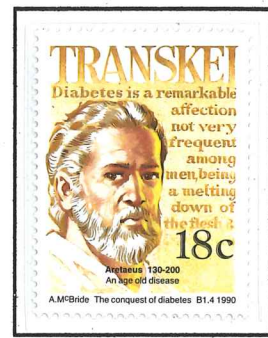
EN VENTE dans toutes les bonnes pharmacies

A. TRONCIN & J. HUMBERT, 96, rue d'Amsterdam, PARIS

Indiquez votre nom et votre adresse au verso de l'enveloppe

... and the booklet is advertising another drug against constipation.

Aretaeus was probably the first who used the word diabetes. But there was no effective treatment for a long time and the disease was mysterious, until important discoveries like ...



Advertisement letter, unused, Belgium 1878.

DÉBITÉE à
8
CENTIMES
En vente partout

ON DEMANDE DES CORPS
32, Rue de la Madeleine, Bruxelles
Pour mettre dans nos superbes chemises à fr. 3.75 et 5.50
avec poignets et devants toile fine
— MÊMES PRIX SUR MESURE —
32, Rue de la Madeleine, 32, BRUXELLES

DIABÉTIQUES
employez pour votre pain la
FARINE DE GLUTEN D'OSSIAN
à 2 fr. le demi-kilo.

DE MANDEZ le
CHOCOLAT DERBAIS
1.50 et 2 fr. le
kilo.

es supérieures
10 et 12 fr. le cent
RIE F. DE RYCK
la Pâtisserie, 60, Bruxelles



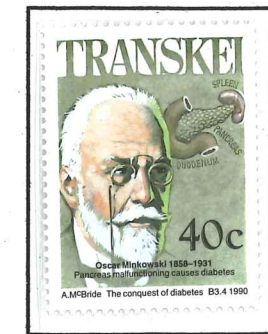
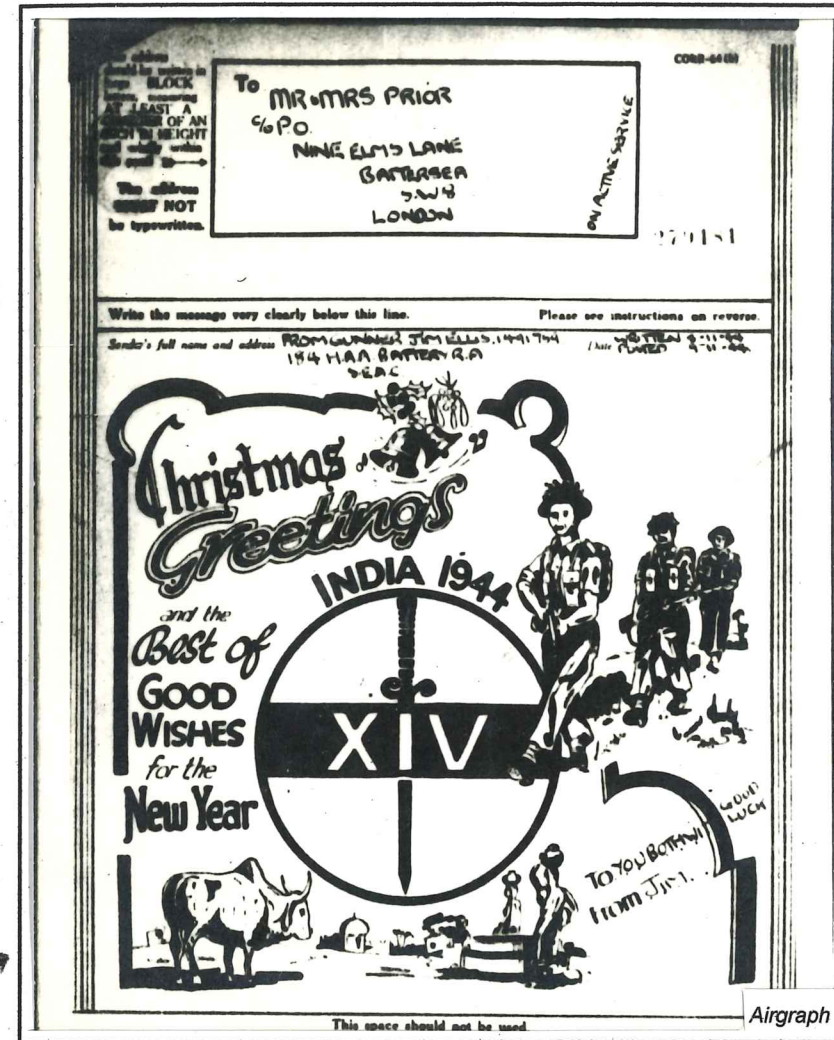
Paulescu injected pancreatic extract into diabetic animal in 1916, but not published before 1921.



Banting and Best got the honour to isolate insulin from the pancreas in 1921, and treated the first patient by success in January 1922.

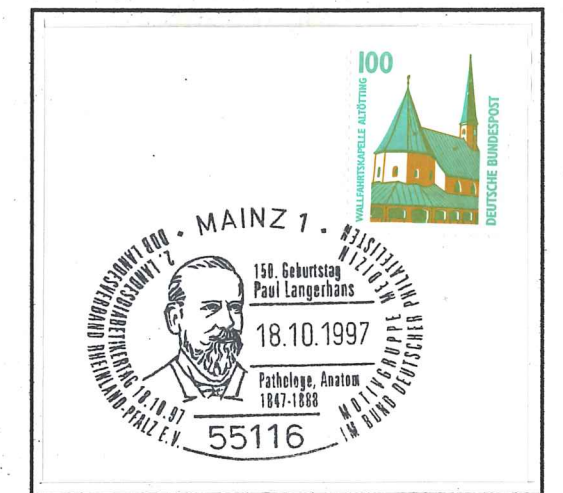


But the isolation of pure insulin from animals, as oxen, was initially difficult, erratic and expensive.

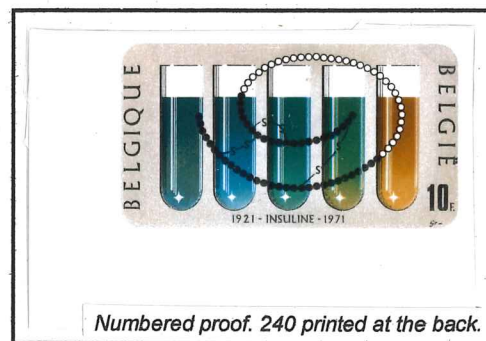


... Minkowski showed in 1889 the importance of pancreas in regulating blood sugar ...

... Insulin is released into the blood by the Langerhans cells in pancreas in response to rising levels of blood sugar after eating.



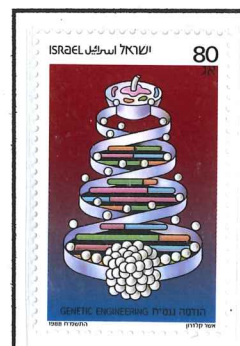
The drug firm Eli Lilly made in 1922 a major breakthrough and were able to produce large quantities of ...



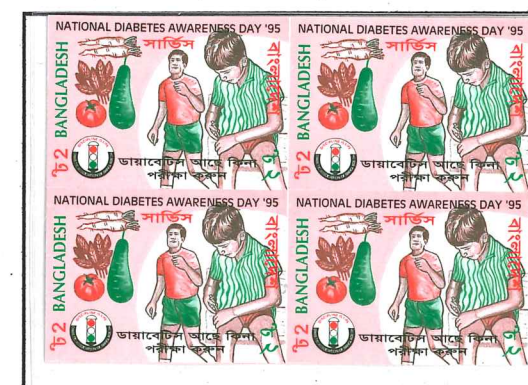
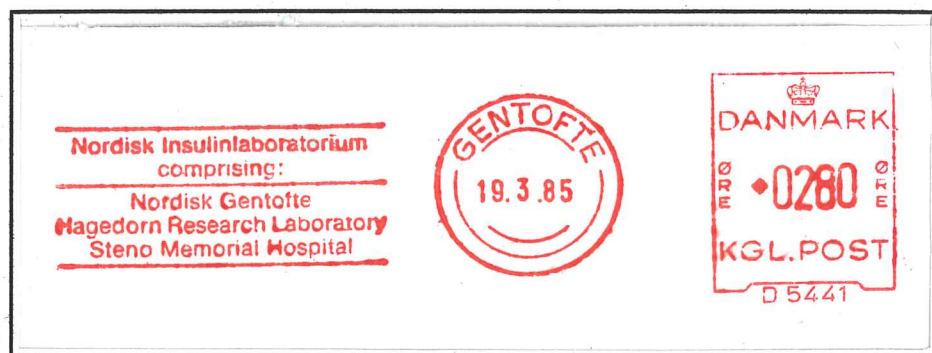
... highly refined insulin, ...



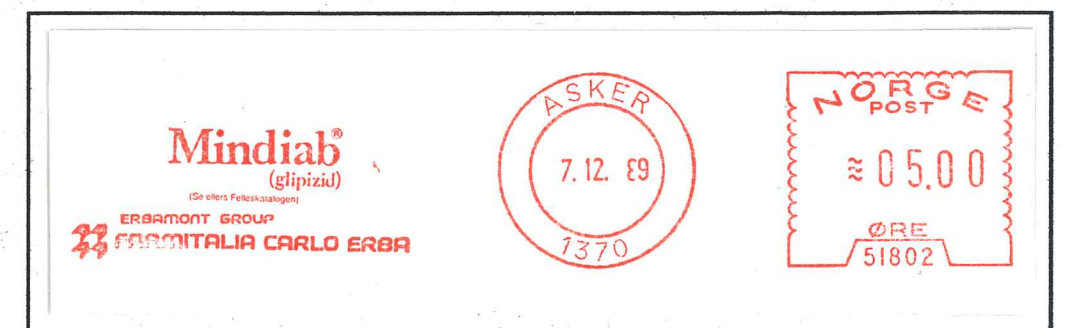
... and insulin from pig and ox was offered for sale shortly thereafter.



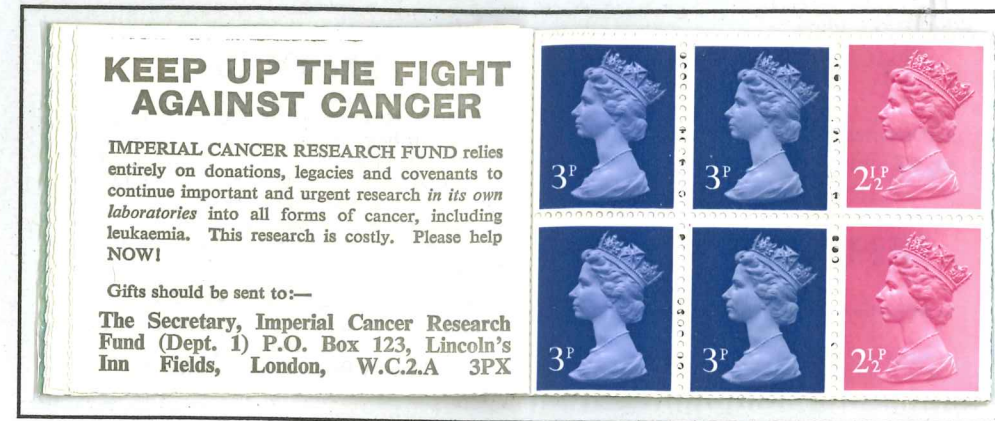
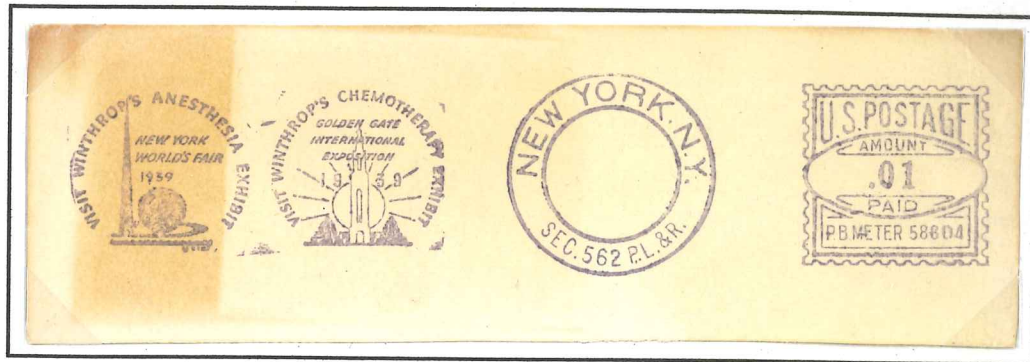
The vast majority of insulin currently used is genetically-engineered "human" insulin with less side-effects, - commercially available from 1982.



Imperforate block of four. Injections with insulin can control the diabetes.



In diabetes type 2 the body does not produce enough insulin by its own. This may also be treated with tablets like Mindiab (glipizid)

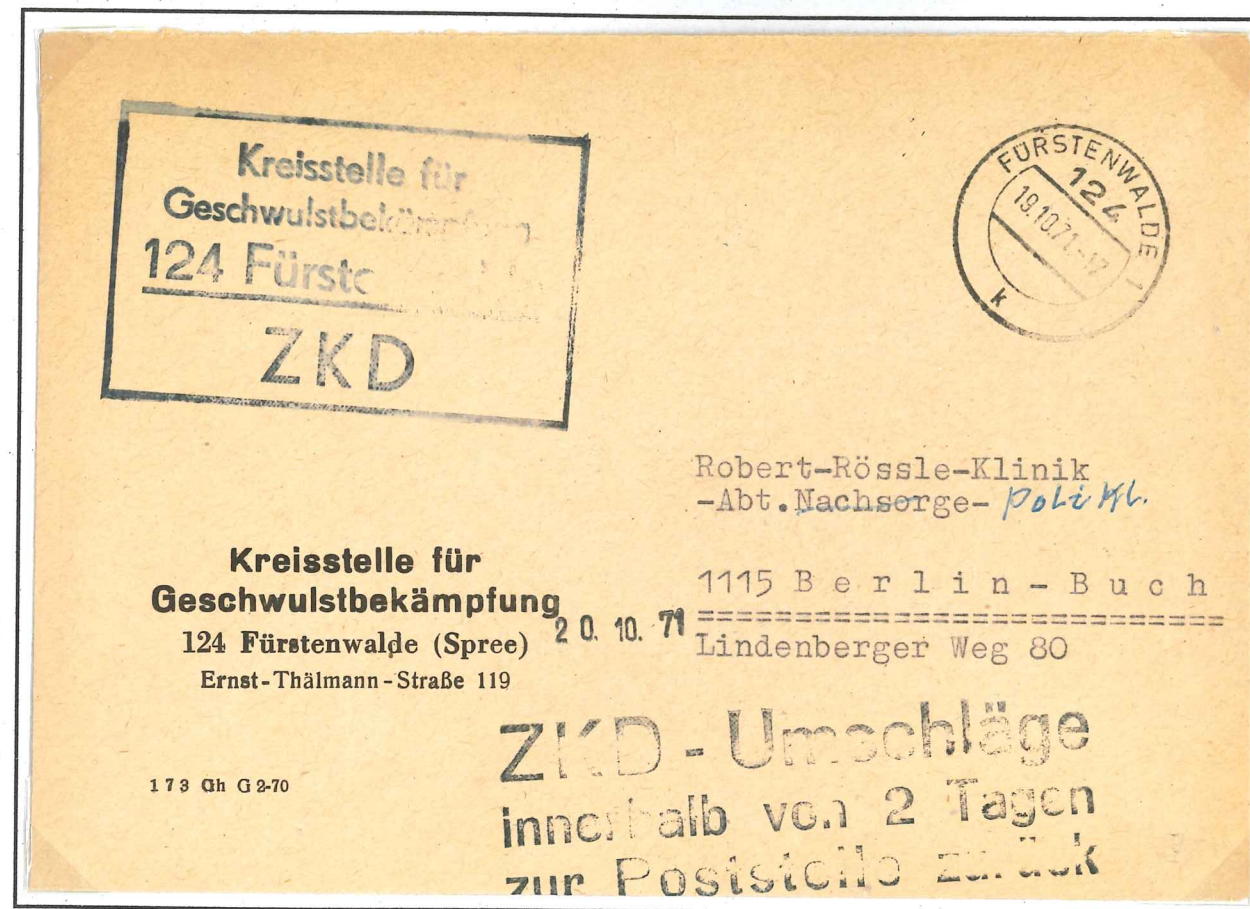


Cancer is usually treated with chemotherapy (drugs), radiation therapy and surgery,

... and the research is extensive.

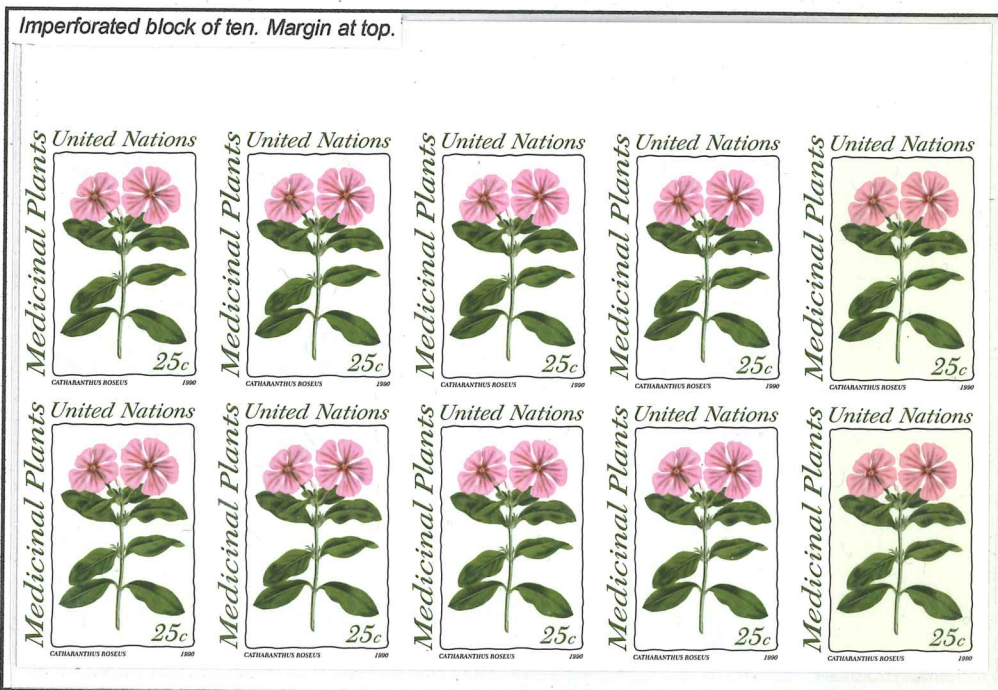


Drugs like doxorubicin in the ...



... the treatment and

... science against cancer.



The plant Catharanthus roseus contains vincristine, which is used against leukemia.

Free postage: East Germany official postal cancellation, ZKD ("Zentralen KurierDienst") 1960 - 1972.



The radioactive technetium is used to make diagnosis ...



... in the fight against cancer.



Obligatory tax stamp (1949): Normal overprint (on the left), displaced overprint (above), double overprint (up to the right) and inverted overprint (on the right).



Five strip multicolor plate proof. Stamp issued 1941.



The snake, not only a medicinal symbol ...

Centenário do Instituto Butantan

| | |
|---|--|
| Centenário do Butantan Brasil 2001 Rs 0,40 Dirphysa sp. | Centenário do Butantan Brasil 2001 Rs 0,40 Megalopyge sp. |
| Centenário do Butantan Brasil 2001 Rs 0,40 Phoneutria sp. | Centenário do Butantan Brasil 2001 Rs 0,40 Tityus bahiensis |
| Centenário do Butantan Brasil 2001 Rs 0,40 Crotalus durissus | Centenário do Butantan Brasil 2001 Rs 0,40 Micurus corallinus |
| Centenário do Butantan Brasil 2001 Rs 0,40 Lachesis muta | Centenário do Butantan Brasil 2001 Rs 0,40 Bothrops jararaca |

8 SELOS 85200555-5

The institute studies snake - and insect venoms and produce antivenom sera, and its hospital is specializing in treating the victims of venomous animal attacks.



ENSCHEDÉ - HOLLAND

1980 75s + 25s, Red Cross Fair issue, imperforate block of 25 (lower half sheet) with Enschedé - Holland imprint and plate numbers 1.

A snake is being "milked". The extracted snake venom is then injected in small amount into an animal. The resulting antibodies are harvested from the animal's blood and give us valuable antivenom drug.



Brazil prepared the first serum of proven efficiency against rattlesnake and viper venom.



Local availability of antivenom drugs are important. This is often the only effective treatment ...

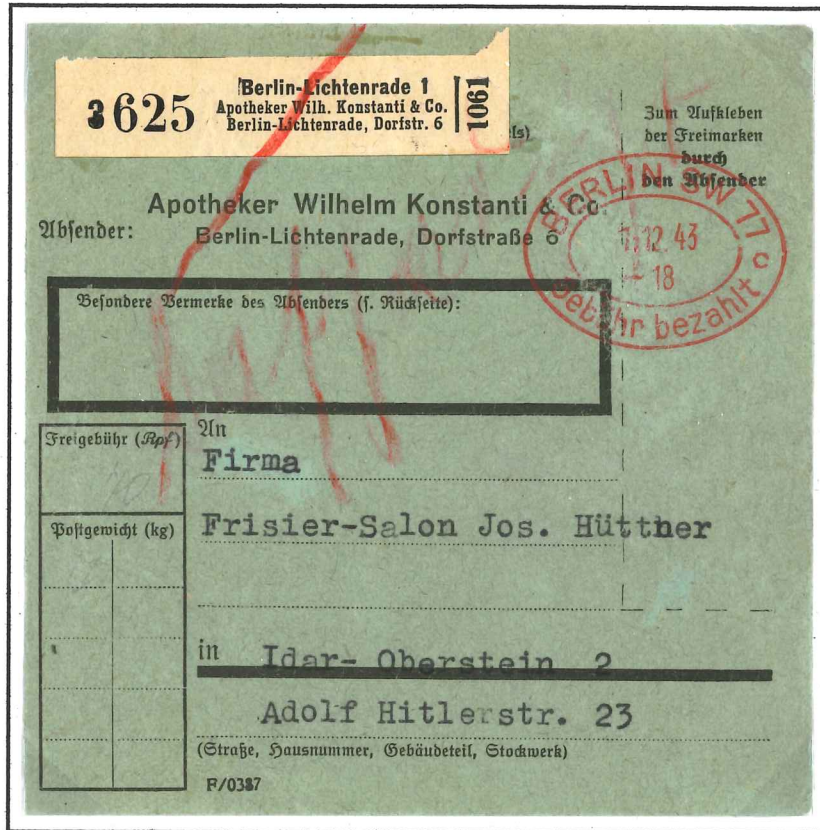


... for potentially fatal snakebites, but have to be given as soon as possible.

4. Who handles all these Drugs ?

a) A Pharmaceutical Profession derived ...

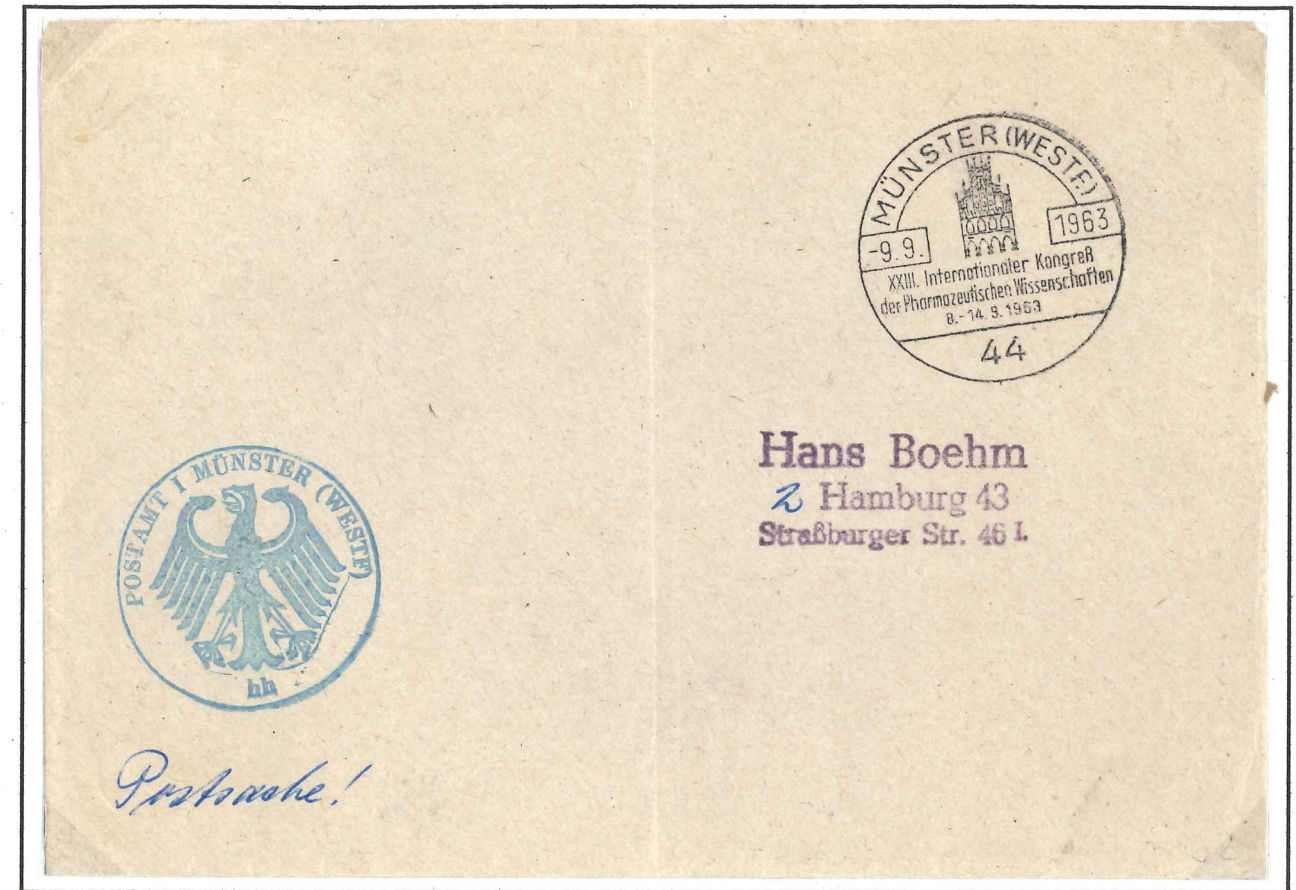
The label was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (625) and control number (1061).



Complex composition and all new drugs made it necessary with ...



Abu Coreisch Ishaq el Szandalani

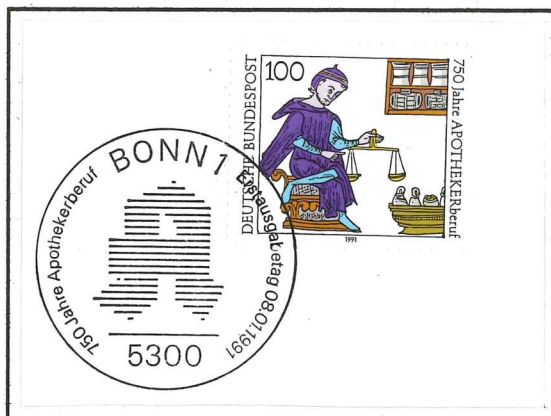


Postal service letter of reply; free postage.

... specialists, like "apotheker", in the production. Pharmacy as a distinct profession, derived from the Arabs, ...

... the first pharmacist was referred to in 766, Abu Coreisch Ishaq el Szandalani, ...

... epoch-making in the pharmaceutical science.



Frederick the First and his sons.



Variant: Statement of value and frame in red are missing. Stamp with original gum. Certificate in the back.



"Farmacevt": a pharmacist.



Drug tariff

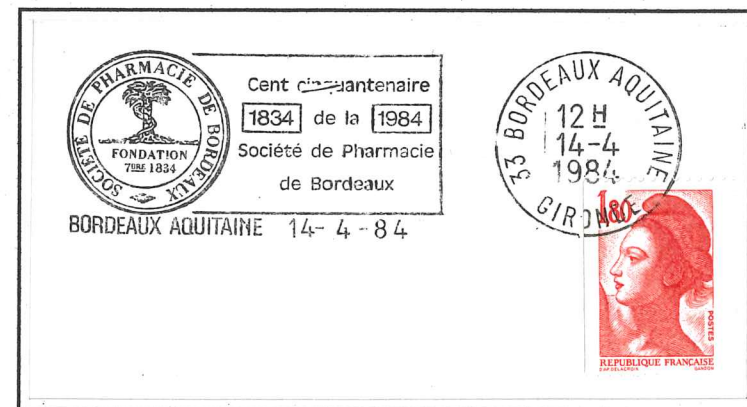
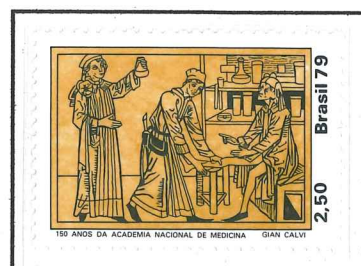
The law which gave rise to the real distinction between medicine and pharmacy in Europe, ...

... was issued by Frederick the Second of Sicily in 1240.

The law stated that the pharmacist had to produce drugs exactly according to the procedure ...

... and public drug tariffs had to be followed.

Variant: double printed.



And the pharmacist read the doctors prescription ...



Variant: Extremely wrong perforated



Variant: strongly displaced print

Whoever wished to practice the trade of pharmacy had to be a member of the guild, ...

... even the poet Dante in order to become a member of the city council. The guild system was the origin to the associations of pharmacists.

... indicated with the letter R, from the eye of Horus. The "R" means "Recipe": take and deliver the mentioned drugs to the patient. The "Rx" means lucky.

4. Who handles all these Drugs ?

b) ... by using Textbooks

In default of textbooks drug knowledge developed slowly in many centuries. As time went by came e.g. "Canon medicinae" and herb books.

But it was no real evolution before the art of printing was invented by Gutenberg in 1440.

Illustration from "Canon medicinae", ...



...and Fuchs' "Neu Kreüterbuch".



Imperforated, from the lower right corner of 10-stamp block. Certificate in the back.



Imperforated corner block of four.



The demand for standardizing ingredient names, weight units, manufacture instructions etc. ...



... led to the public pharmacopoeia. The first was published in Italy in 1498, ...

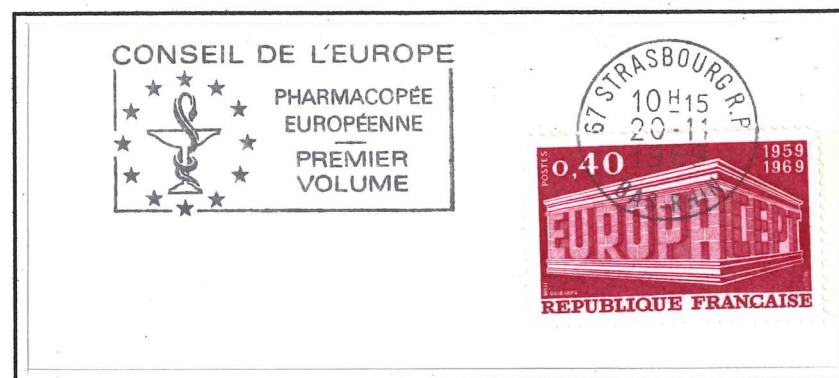
Engraved die proof in emerald, sunken on 125x160 mm card, signed by the artist Fenneteaux.



Fenneteaux



... and the Swedish medical legislation from 1663 formed the basis of their first pharmacopoeia in 1686.

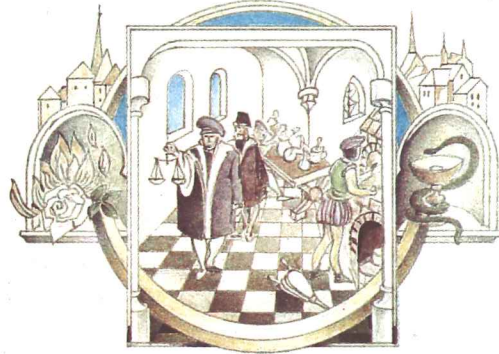


In 1963, a European Pharmacopoeia Convention signed under the auspices of the Council of Europe provided for the compilation of a European Pharmacopoeia. It was first published in 1969, later updated.

And the World Health Organization issues guidelines of good manufacture and quality control of drugs.

... in the pharmacy's laboratory in the middle age the laboratory may be regarded as an enlarged kitchen.

Drugs were pulverized ...



Куда _____

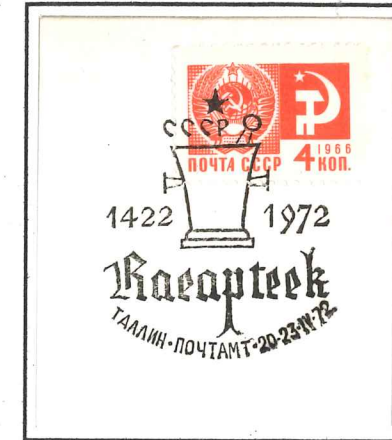
Кому _____

Индекс предприятия связи _____ и адрес отправителя _____

Пишите индекс предприятия связи места назначения



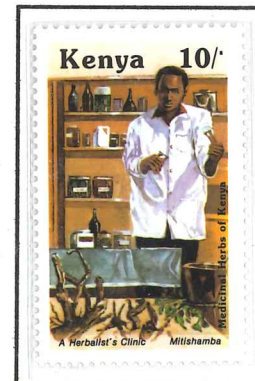
... by a mortar and pestle. In the middle age it was made of mainly metal, but the metal contaminated the drug.



This was avoided by using porcelain. Another crushing tool was drug mill of wood.

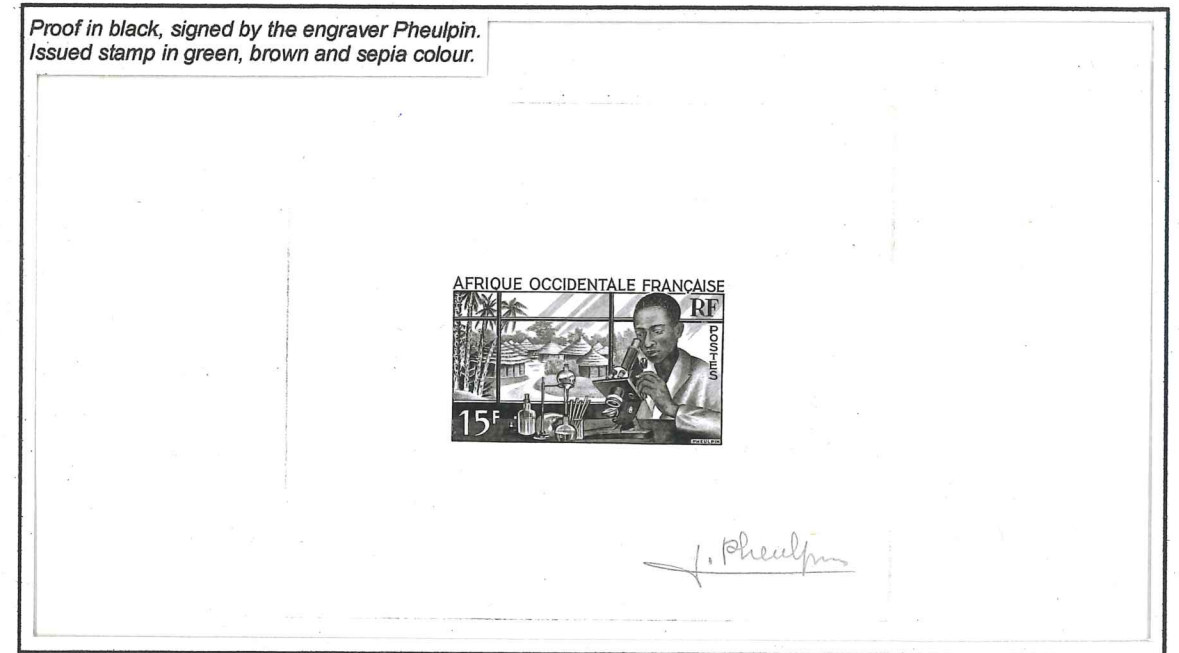


Imperforated proof pair. Issued stamp in the same colours (1954).

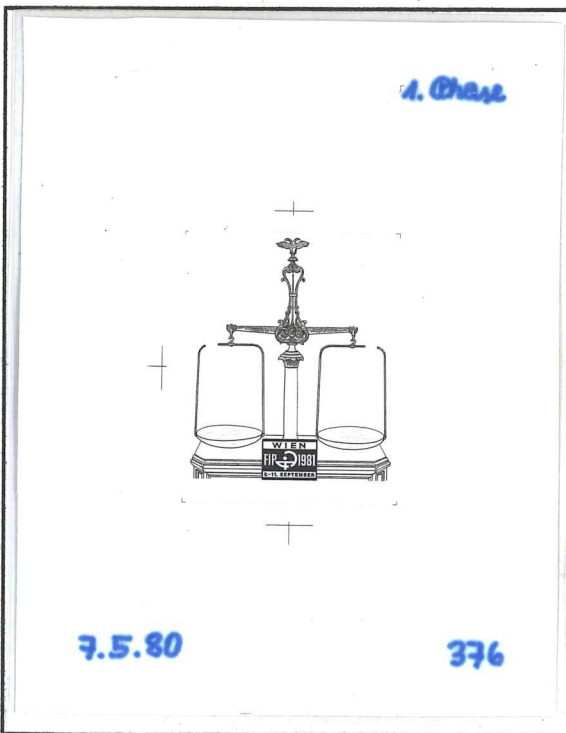


Drugs were tested ...

Proof in black, signed by the engraver Pheulpin. Issued stamp in green, brown and sepia colour.



... and evaluated with help of microscope. Extraction equipment used to isolate active ingredients.



Proof (on the left) from the line engraving process, probably a unique item. The issued stamp is shown below.



The development of better weights and ...



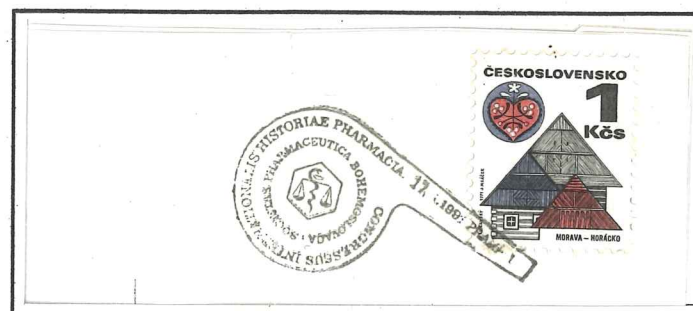
measures have been a necessity for precise drug production.



Retort and alembic.

Distillation equipment: at first the flask had a simple drainpipe (retort).

With the intention of improving the cooling, a conical cowl (alembic) was put on the flask. Air-cooling was however not enough, and water-cooled drainpipe was developed.



Water-cooled drainpipe.



Gustav Barthel
 Spezial-Fabriken
 für Löt-, Heiz- und Kochapparate
Dresden-A 21
 Bärensteinerstraße 23, 25
 Drahtanschrift: Calorie
 Fernruf-Sammelnummer 36171
 Postscheck-Konto: 1724 Dresden

Drucksache
 Fa.
Peder Eeg & Fjermestad.
 A/S. Eisenwaren

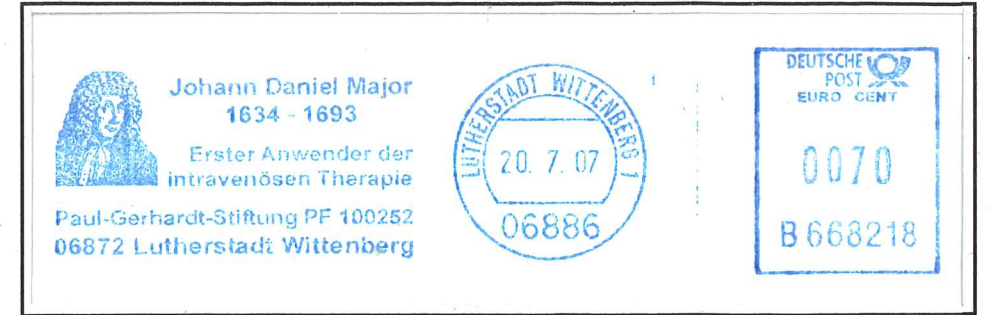
The perforated stamp "GB": Firm producing heater and cooking apparatus.

Distillation requires heat.



Copy (70 %) of the front . Italian B.L.P. a postal item with an affixed stamp; 1922.

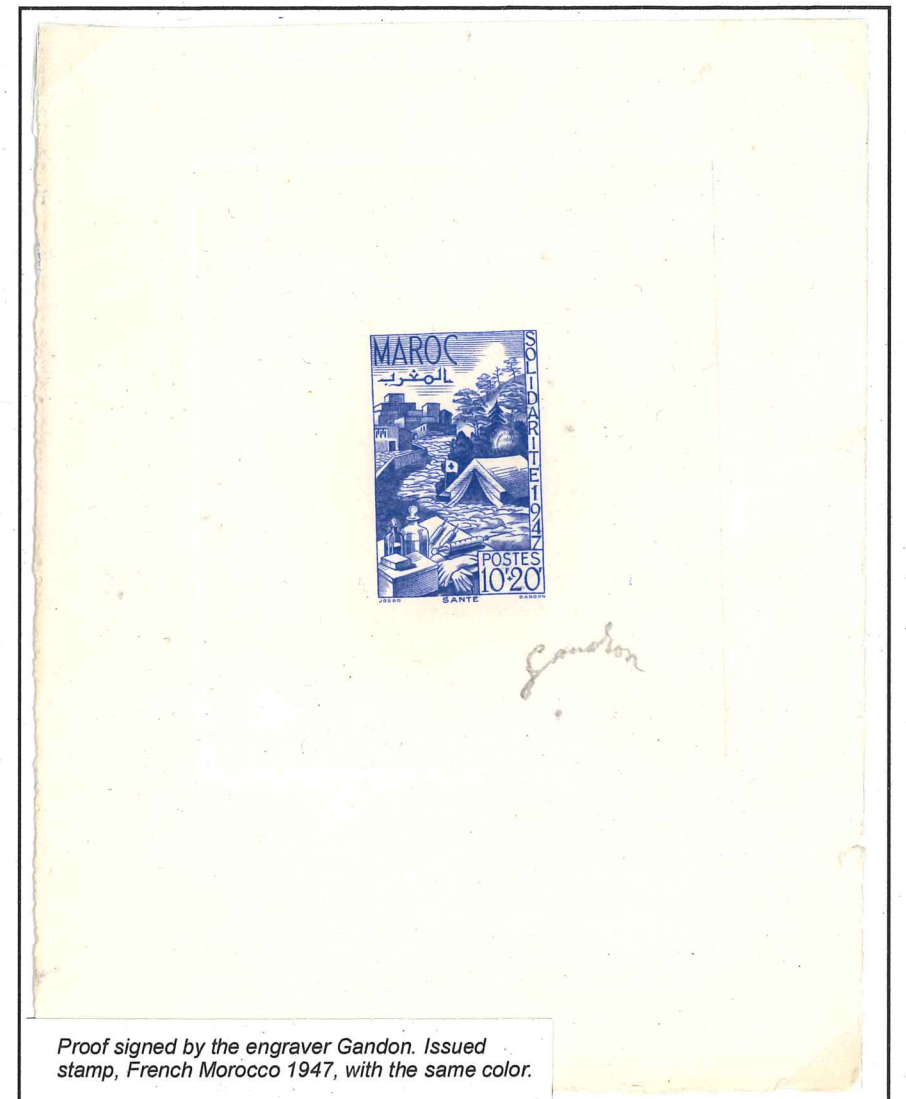
Many drugs is made as emulsions: originally defined as "synthetic made milk", a mixture of liquids that are normally immiscible (un-blendable) as oil (fat) and water.



Major was the first to use injections on humans in 1662, ...



...but the preparation and use of injections strongly increased after the introduction of the glass ampule (1887), and ...



Proof signed by the engraver Gandon. Issued stamp, French Morocco 1947, with the same color.

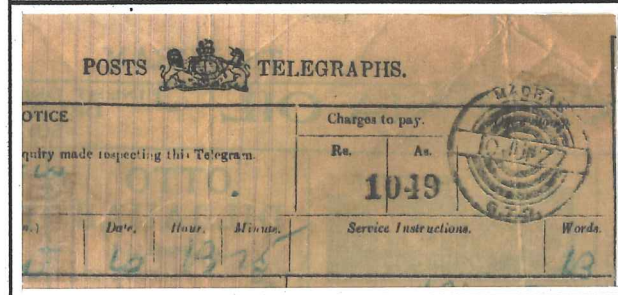
... modern syringes (1850), and drugs can be pre-filled in syringes.

4. Who handles all these Drugs ?

c) ... Tools and Equipment to prepare Drugs

It was a great step forward to prepare drugs in a fixed dosage form, as pills as distinct from the mixture which have to be dispensed before used.

Pill-rolling equipment was not put into use before about 1700. Each segment of the pill mass then needed to be rolled into a globular pill.



Copy (70%) of the front. Advertising telegram, India 1927.



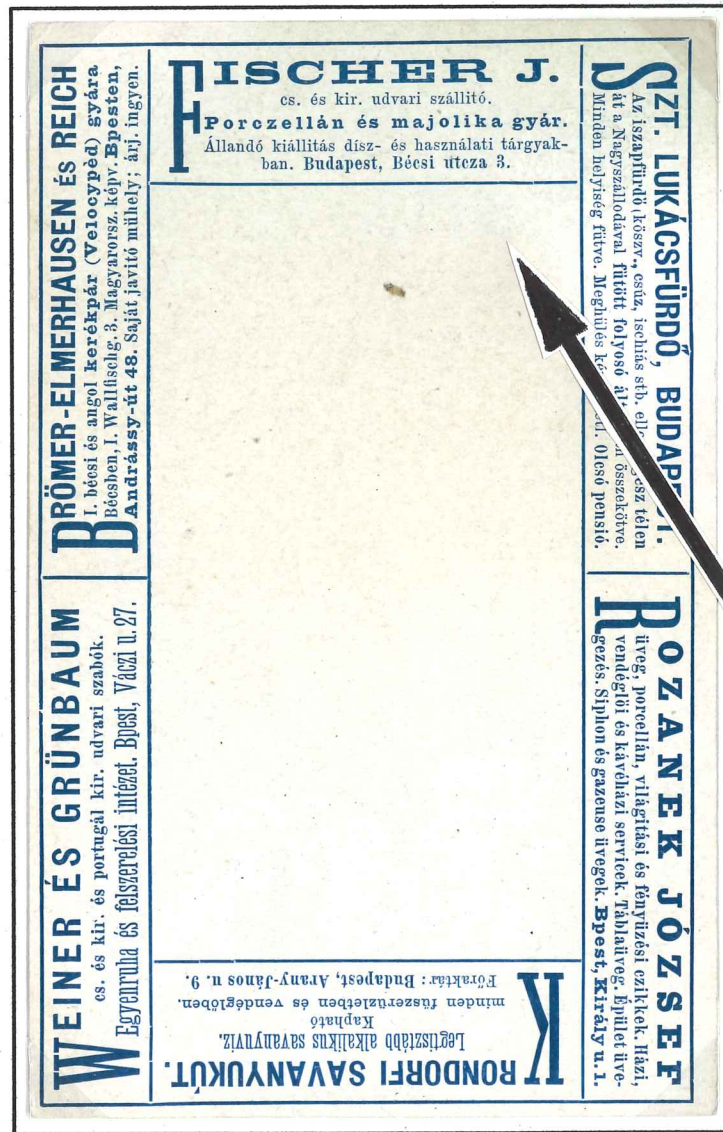
Preliminary (proof, no indicium) "Publibel" card, Belgium postal stationery.



Another popular dosage form was to fill an exact dose of drug powder into small bags, "cachet".



However, the preparation was not finished before the drugs were stored in the most suitable receptacle in each case.



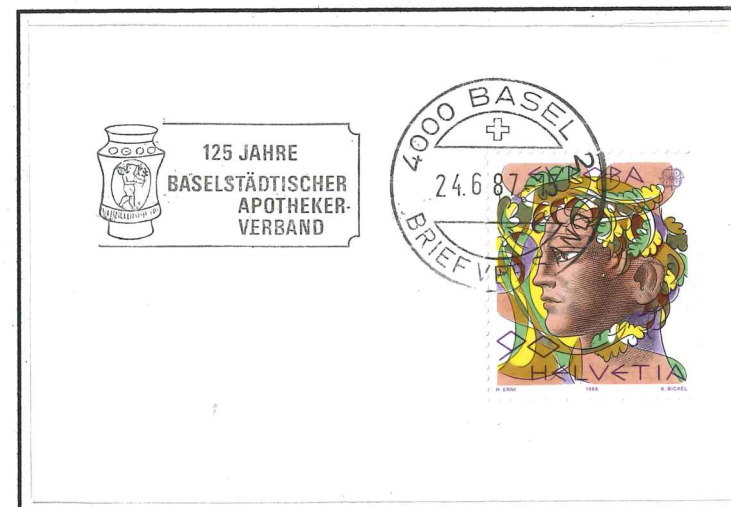
Copy (70%) of the front: Advertisement postal card.



The "majolica", tin-glazed non-porous pottery, became very popular, ...



But tablets replaced pills because of more exact dosage and better hygiene. The first tablet machine, hand-operated, was developed in the middle of 1800.



... as the "Albarelllo" jar (resembling a bamboo reed).



Decorated glass jar.

Containers of wood: "Contra Jerv" (powdered root), "Bitum Asphalt" (rock oil), "Sang Drac" (dragon's blood).



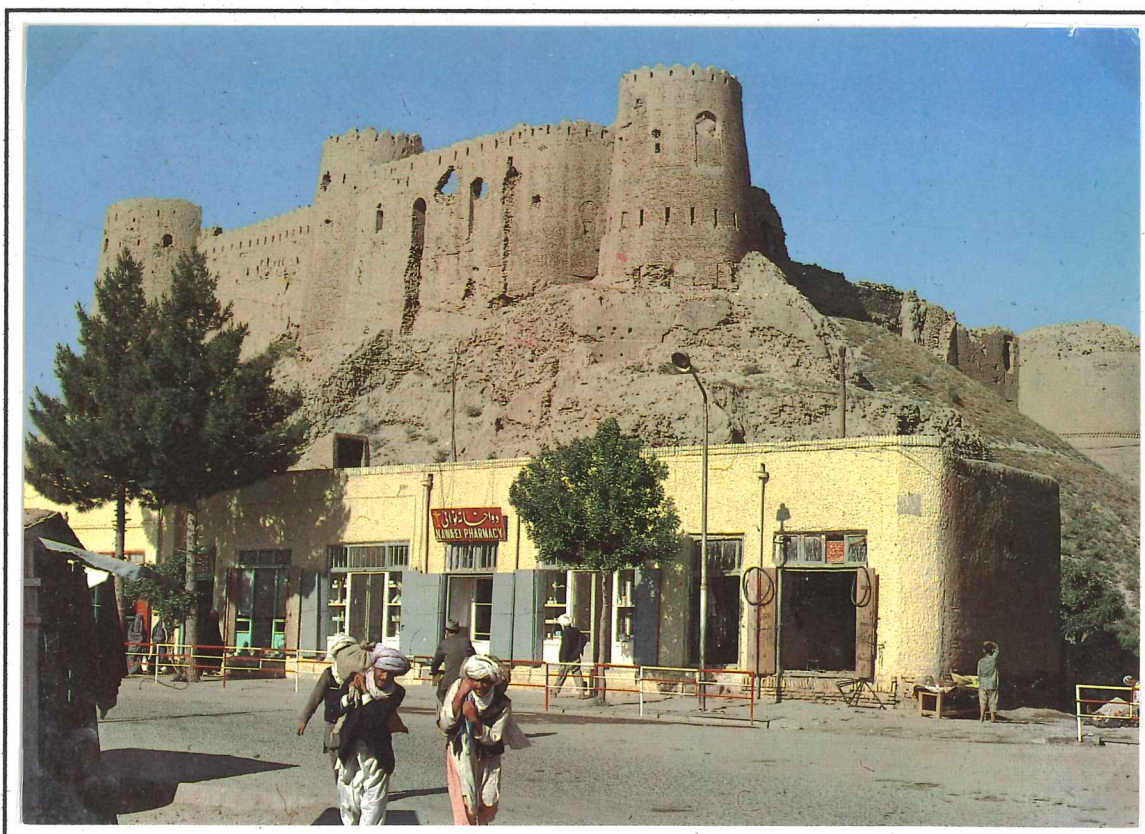
Light sensitive drugs in dark brown glasses.



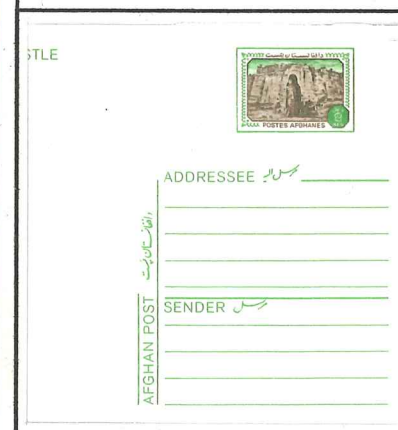
At first the word "apoteca" described a store of wine, then a ordinary store, later a store of spice and drugs, and now the pharmacy (apothecary) dealing and dispensing drugs, as this pharmacy in Riga, about 1800.



The firm Pharma Daig & Lauer delivered the popular and comprehensive database "Lauer-Taxe" to the pharmacies. The Lauer-Taxe gives medical, pharmaceutical and economic information about drugs.



The pharmacy have often a central location in the town, at the market and other busy places, as ...



Copy (50 %) of the back.

Back of postal stationery, "Deutsche Reichspost", cancellation 11.9.1900.



... the "Kronen Apotheke", shown to the right.

The pharmacy had to send drugs fast by post to patients living far away. Norway have special rules to send medicine parcels, with the intension of reducing the postage. From 1928-1981 drugs were sent as express parcels, but at ordinary postage. The assumption was that the pharmacy added "Medicin" / "Medisin" on the dispatch note ("følgebrev").

195

Må løses innen 14 dager etter ankomsten.
Angitt verdi kr. _____

Følgebrev
for innenriks pakke.

For frimerker

nr.: 09

postoppkrav _____ kr. 75 øre

Til _____

Avsenderens navn og adresse: (settes også på pakken).
Stad Apotek, Alfud Gjengedal
Øyfjell p.m.

Adressepoststedets navn.

Takstgruppe: I Vekt: 0.3 kg. Avgangstedets datostempel.

Postmannens signatur: [Signature]

7.34. A 6. Frimerkene må ikke klippes fra følgebrevet.

ng.

Utleveringsstedets datostempel.

Ankomstdag.

Utleveringsdag.

ilem postkontorer, 1000 kr. fra postkontor til post-
etter reglementets bestemmelser.
og tilbakesending må betales ny porto.

Copy (80 %) of the back: A medicine parcel sent from Kviteeid Apotek on Wednesday 8th may 1935, arrival at Øyfjell the same day and delivered the next day. Postage 75 øre (medicine parcel post rate 40 øre + cash on delivery fee 35 øre).

Postverket. Bl. 301.

Innhold: (Senderen kan fylle ut) **PORSGRUNN 09046**

NB. Må løses innen 14 dager etter ankomsten.
(Plass for registernr.)

Ankomst-nr.: 349

verdi kr. **Medisin**

Følgebrev
for innenriks pakke.

Postoppkrav _____ kr. 5 øre

Senderens navn og adresse: (settes også på pakken)
Porsgrunds Apotek, Porsgrunn.

Til: Hen. Armand G.R. Ri
Øyfjell Rauland
Tilmonk

Adressepoststedets navn.

Adressaten kan klippe denne kupongen fra.
Frimerker må ikke settes på kupongen og ikke klippes fra følgebrevet.

Takstgruppe: Vekt kg.: Postmannens signatur:

3-46. A 6.

↑ "Medicin" added by a rubber cancellation at the pharmacy.

The pharmacy had preprinted "Medisin" on the dispatch note.

Privat-Stadtpost Stuttgart.

An

Vorzügliche Qualität
CACAO-PULVER & CHOCOLADE
von E.O. MOSER & CO.
STUTT GART
Königl. Württ. Hoflieferanten

in _____
Wohnung: _____

Richmond, Ind. SEP 13 1929

Appleton, Wis. SEP 14 1929

Richmond, Ind. SEP 13 1929

Genuine registered letter, 1929, with "fancy-cancel", tobacco leaf, in the front. Copy (50 %) of the back: Cancellation by sending from Richmond and receiving in Appleton. This was according to the postal rules in 1927 - 1934.

C. A. Paige
Richmond, Ind.

REGISTERED

10. 2545

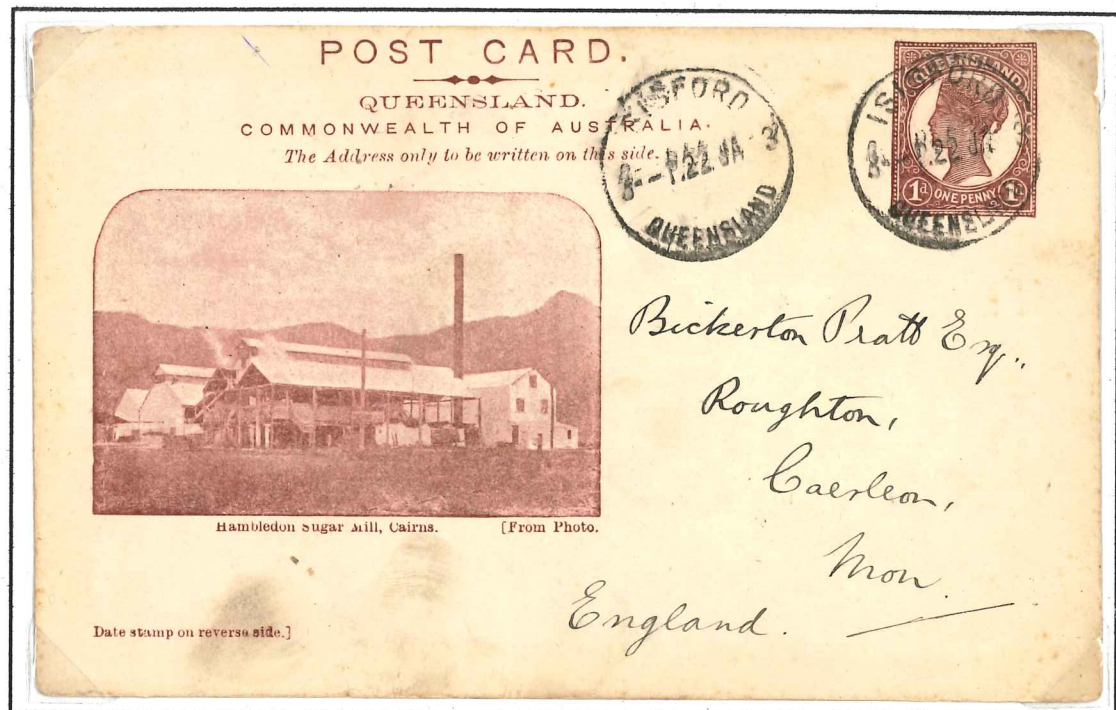
3516

H. M. Brehm,
321 E. Brewster St.
Appleton,
Wisconsin.

The profit by selling drugs was low. To ensure the pharmacy to have a reasonable income, the pharmacy in many countries was the sole distributor of e.g. chocolate, ...

...tobacco ...

... and sugar for a long time.



Postal stationery letter-card (La Missive, 2nd edition 1887) with advertising. 15 centimes, sold for 5 centimes, the balance being financed by the advertising. Up rated 10 centimes for postage to England.



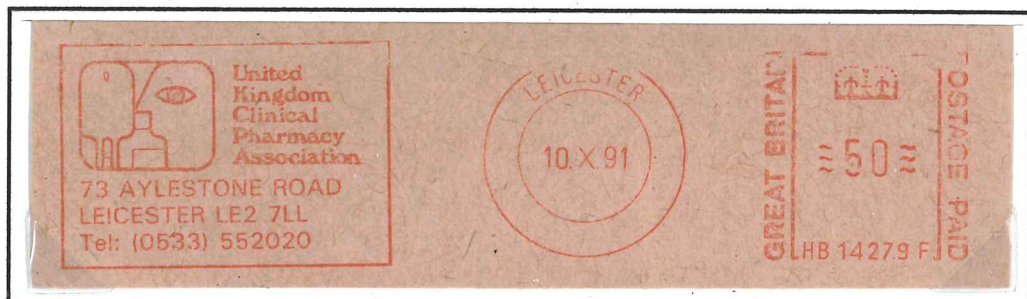
Copy (70 %) of the front



The pharmacy also increased their income by selling more drugs which does not require medical prescription, and ...

| | | | | |
|---|---|---|--|---|
| JOS. ED. CLEMENT, IMPORTER OF MAPLE & FANCY DRY GOODS, WHOLESALE & RETAIL, Also Merchant Tailor, Front St. St. John's P. Q. | WM. BORBRIDGE, EST. 1821. Manufacturer of HARNESS, SADDLES, TRUNKS, VALISES, TRAVELLING BAGS, & C. Front St. St. John's P. Q. | L. H. MARCHAND, PRACTICAL WATCHMAKER & JEWELLER, OPPOSITE MOTT'S HOTEL, Front St. St. John's P. Q. Repairs in the above line promptly executed. | S. SIMMONS, Hatter & Furrier, A PERFECT ASSORTMENT OF SEASON- ABLE GOODS ALWAYS IN STOCK. ALSO CIGARS & TOBACCOS, Front St. St. John's P. Q. | HENRY GILLESPIE, CARPENTER, JOINER & BUILDER, DEALER IN HOUSEHOLD FURNITURE, COFFINS & C. Front St. St. John's P. Q. ORDERS PROMPTLY ATTENDED TO. |
| APOTHECARIES' HALL, DACIER, BAUDOIN & CO. HAVE A FIRST CLASS STOCK OF MEDIC- INES, PERFUMERY, TOILET REQUISITES, Dye Stuffs & Co., WHOLESALE & RETAIL, Front St. St. John's P. Q. | Tin and Lion Wave, PUMPS, LEAD PIPE, BIRD CAGES, STOVES, & C. WHOLESALE & RETAIL, Front St. St. John's P. Q. TERMS LIBERAL. | JOHN ROSSITER, TANNER, Front St. St. John's P. Q. SOLE LEATHER, HARNESS, UPPER, KIP, CALF, & FINDINGS, CASH PAID FOR HIDES AND SKINS. | ST. JOHN'S HOTEL, Front St. St. John's P. Q. FRS. MONNETTE, PROPRIETOR. Horses and Carriages, for hire. | |

... perfumery- and toilet requisites, which have very long traditions.

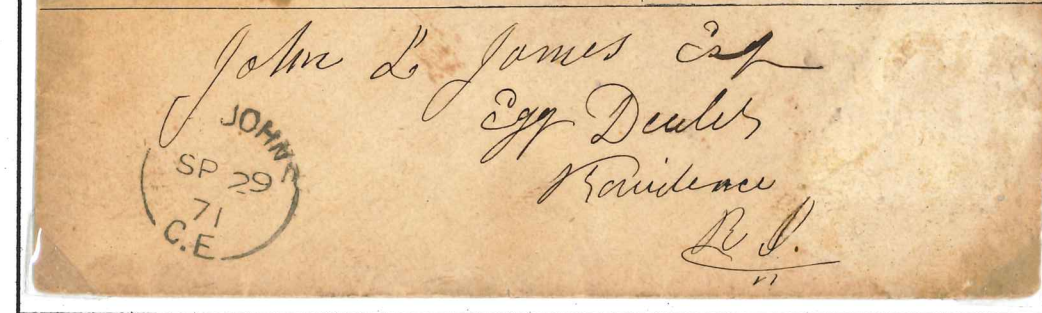


From sale to the development of clinical pharmacy service:

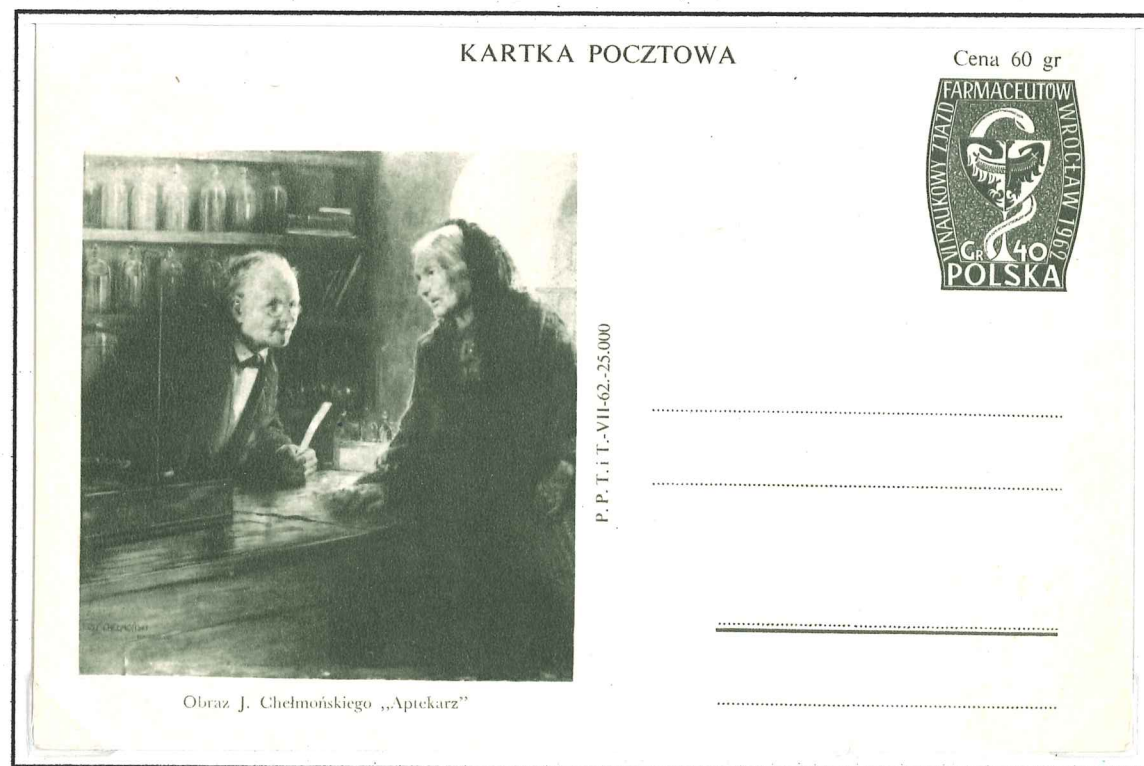
Tête-bêche.



... as training patients in correct use of drugs, and ...



Canadian postal advertising cover, postage free, with cancellation "St. John sep. 29, 1871."



... giving better information for the use of drugs ...



... in their homes. The postal stationery shows drugs in the family medicine chest.



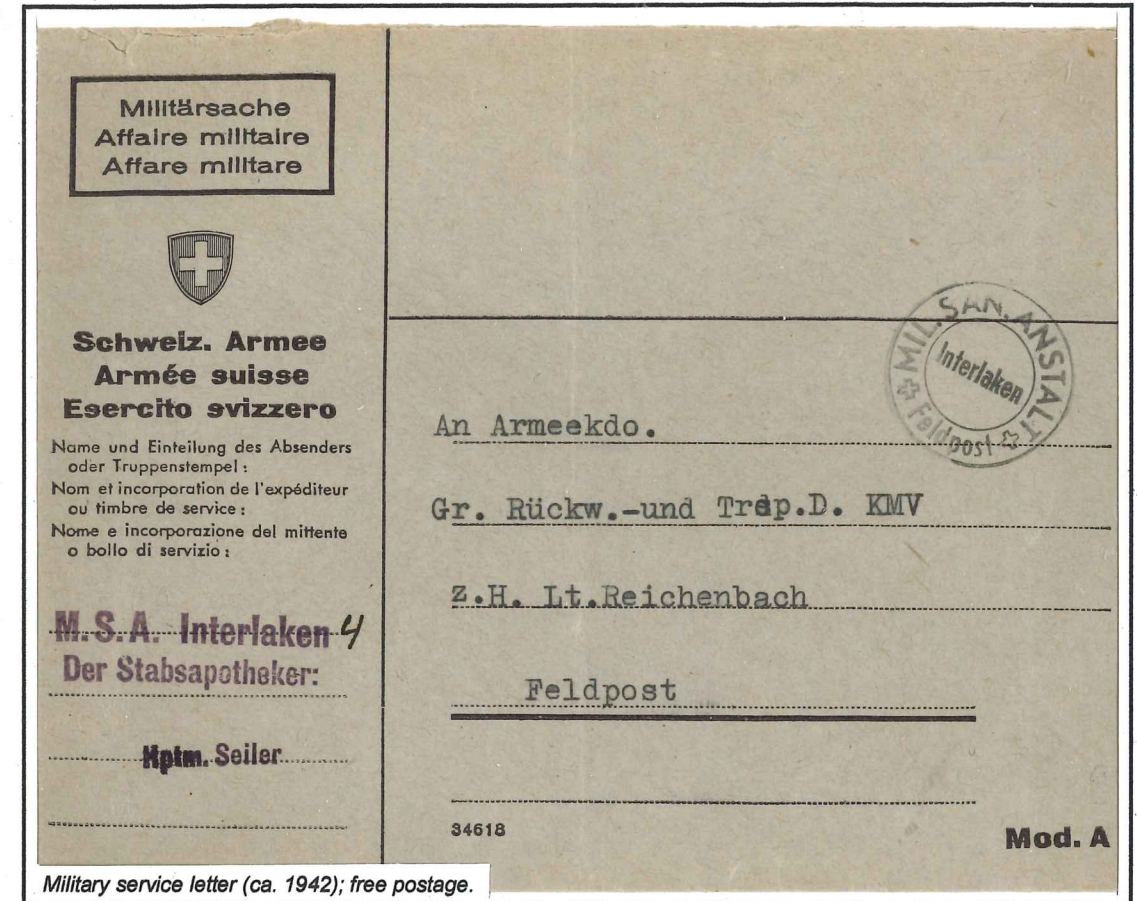
Free postage letter ("Feld-post" 1916) to a person in the town Sunja of Croatia from the field pharmacy in Banjaluka of Bosnia and Herzegovina.

The field pharmacy supports the military hospital with drugs, as in Banjaluka during the first world war. The World War I pushed on the necessity of ...



Cancellation 1927: IV. International congress of military medicine and pharmacy.

... closer cooperation between the armed forces and the medical services, and the first international congress was in 1921.

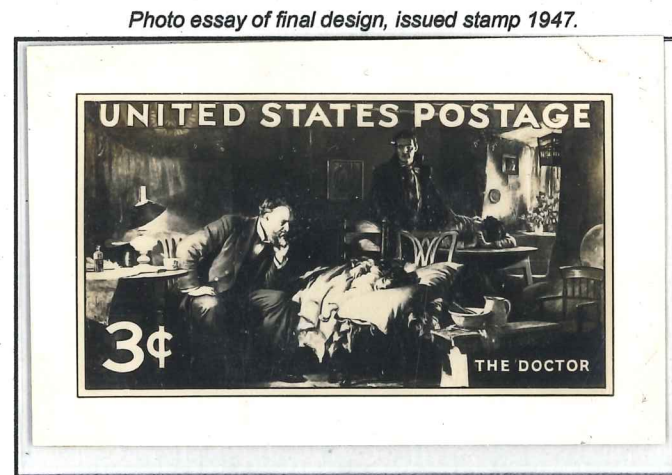


Military service letter (ca. 1942); free postage.

The military pharmacy is directed by the "Stabsapotheker".



The hospital pharmacy has its roots over 500 years ago in France.



Together with the doctor and ... the hospital pharmacist take part in the therapeutic discussion about drug treatment of patients.



Variety: The patient to the left have a light spot in the neck.

... the nurse ...



The doctors drug prescription ...

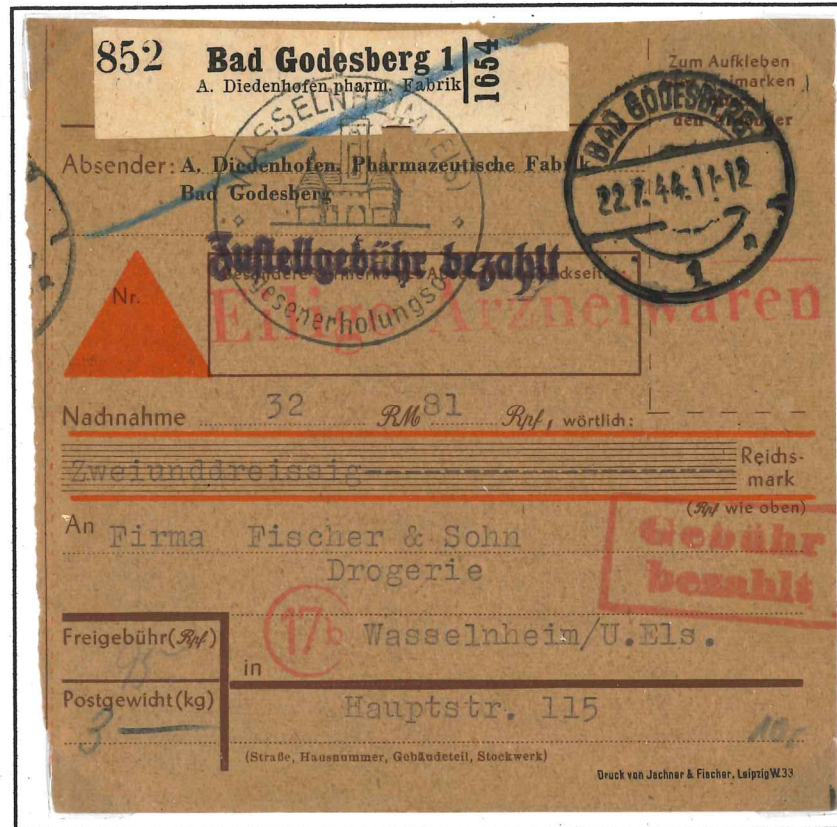


... is documented on patients' charts, as in the "Kardex" systems.



In Europe in the middle age pharmacies were founded at the royal courts. They primarily performed pharmaceutical services and prepared drugs. But they had other functions e.g. confectioner, fruiterer, perfumer and were involved in embalming.

... the pharmaceutical factory produce drugs more economically and with greater assurance of purity and security than in the pharmacy.

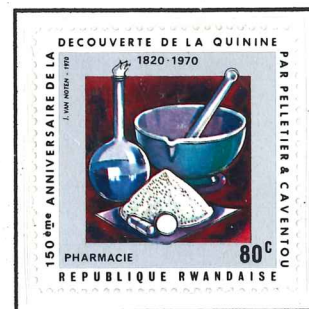


The label was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (852) and control number (1654).



Drugs that was especially suitably to large-scale manufacture was the alkaloids because of the toxicity,...

... e.g. quinine, ...



... and the fluid extracts and its raw materials, e.g. by the pharmaceutical company Alfred Benzon.



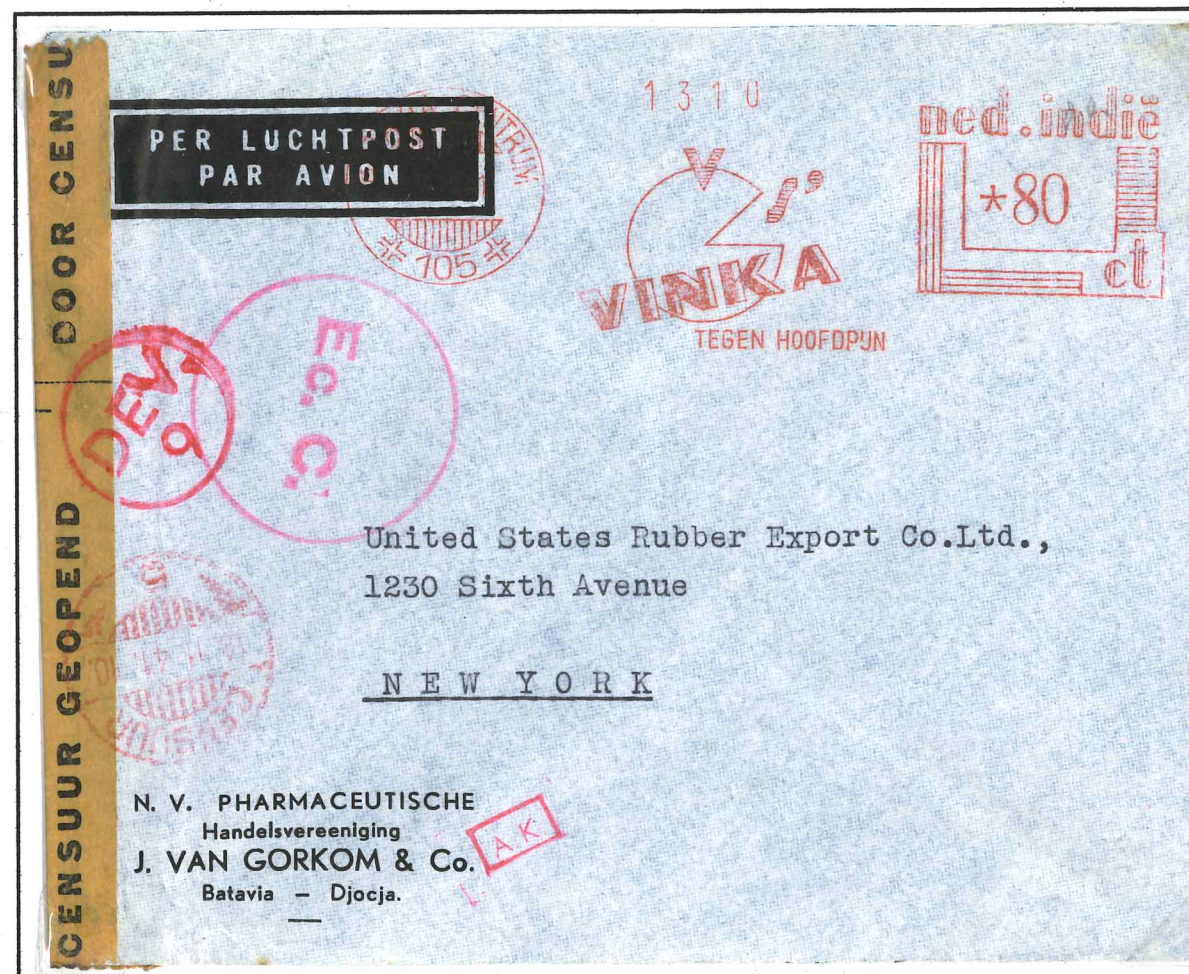
Se-tenant pairs with advertisement stamps, issued by the Danish post office (1933) in stamp-booklets.



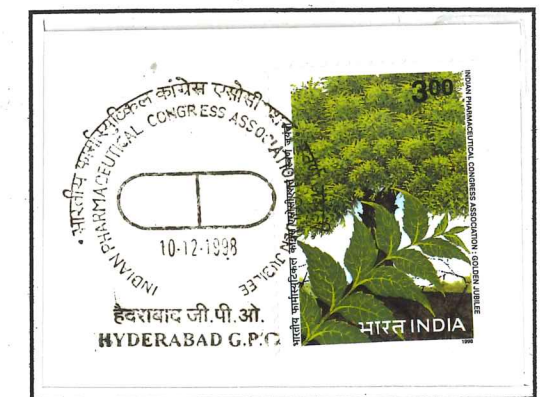
The industry took advantage of the dosage forms, improved them and make them more practical and economical: ...



... tablets gradually replaced pills from the end of 1800, and ...

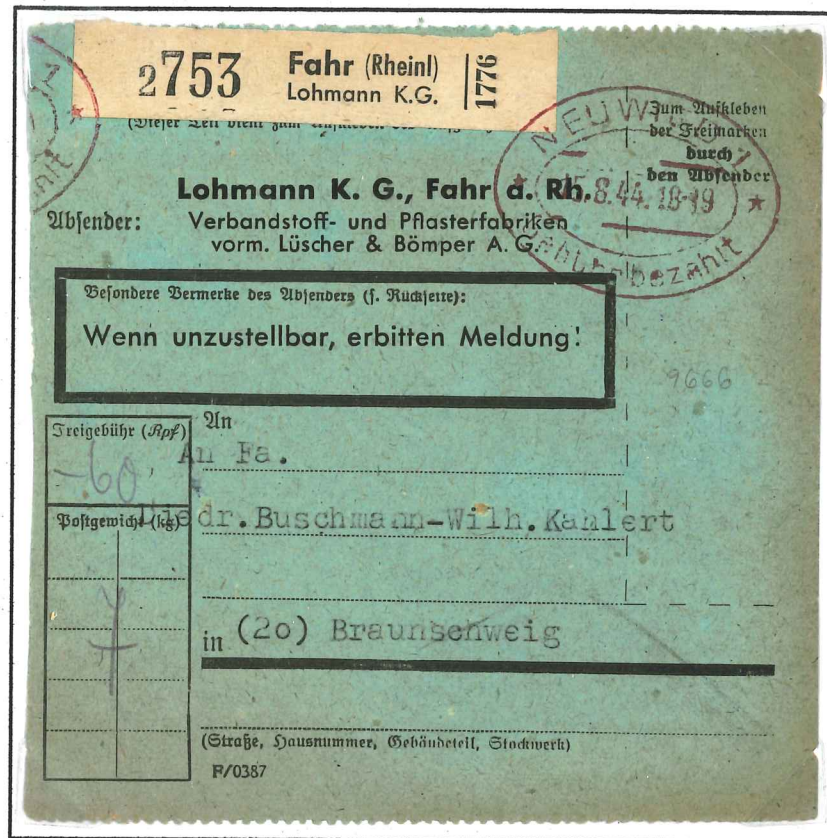


Letter sent from Batavia centrum 17.11.1941, Netherlands Indies, transpacific airmail to New York. With brown censoring strip "Door censuur geopend" and red censoring cancellations (18.11.1941), three weeks before the attack on Pearl Harbour.



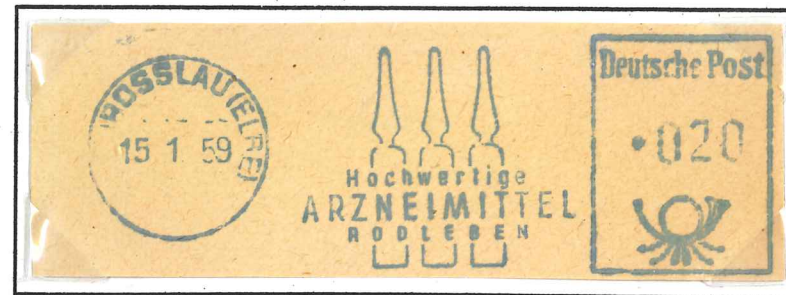
... the gelatin capsule did not come into general use until about 1875 when it was manufactured on a large scale.

Plaster and dressing materials was also easy to produce on a large scale, as from the firm Lohmann K.G.



The label was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (2753) and control number (1776).

The industrial production of sterile drugs in ampoules, ...



... drugs to be used in the eye ...



... and ointments and creams in tubes was a great hygienic step forward.

Below: "Not greasing nursing cream", produced by the company Falkiewicz.

Suppositories, as to be used in vagina ("ovules"), became easily produced.



France, 1927, booklet pane of 10 stamps.

Telegram 19

Przyjęto dn. 10/10/1928 godz. 17:00 z Górnego podpis [Signature] Urząd Poznań

Przewód № 10526

Uwagi służbowe:

z Górnego № 19 słów 12 dn. 10/10/1928 godz. 16:50

Bezpieczeństwo i zdrowie
Jan Sadowski
z Górnego

Zarząd Telegramów nie przyjmuje odpowiedzialności za straty, wynikłe z późnego przesłania lub doreczenia telegramów.

Druk Koziański w Warszawie

NALEPSZA WODA KOLONIKA
Apiekopolanka
FALKIEWICZ-POZNAŃ
DO NABYCIA W APTEKACH, DROGERIACH I PERFUMERIACH

M. P. i T. 1010 (II-927) 12,000,000 w bl. à 100.

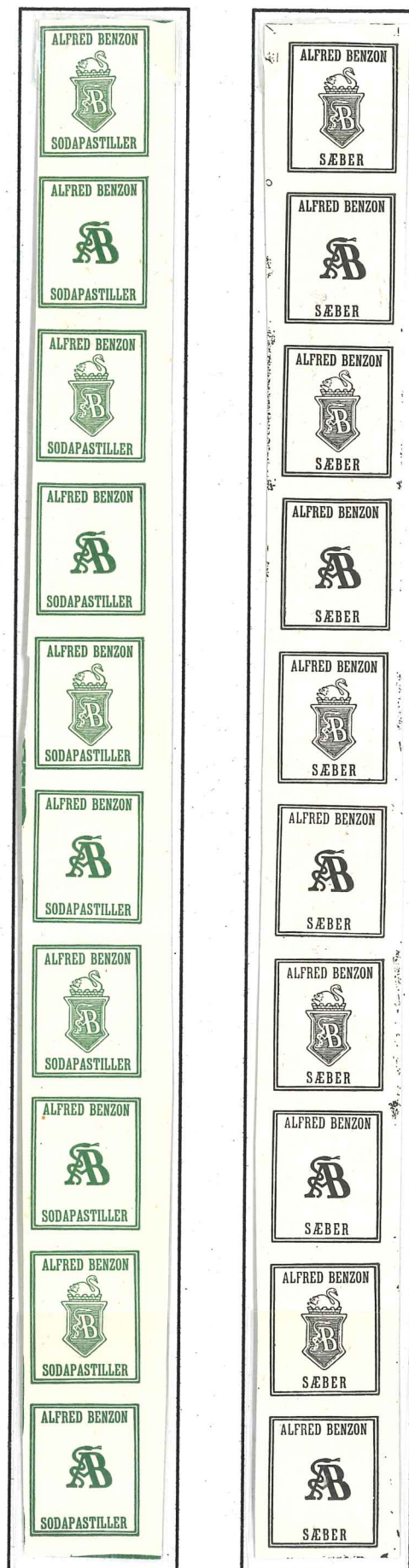
Reklamę na blankietach telegraficznych załatwia „PARORBIS” w Poznaniu

Many pharmacists started with industrial drug production, as Johann N. Lichtenheldt (in 1745), ...



The label was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (205) and control number (1855).

... Alfred Benzon and ...



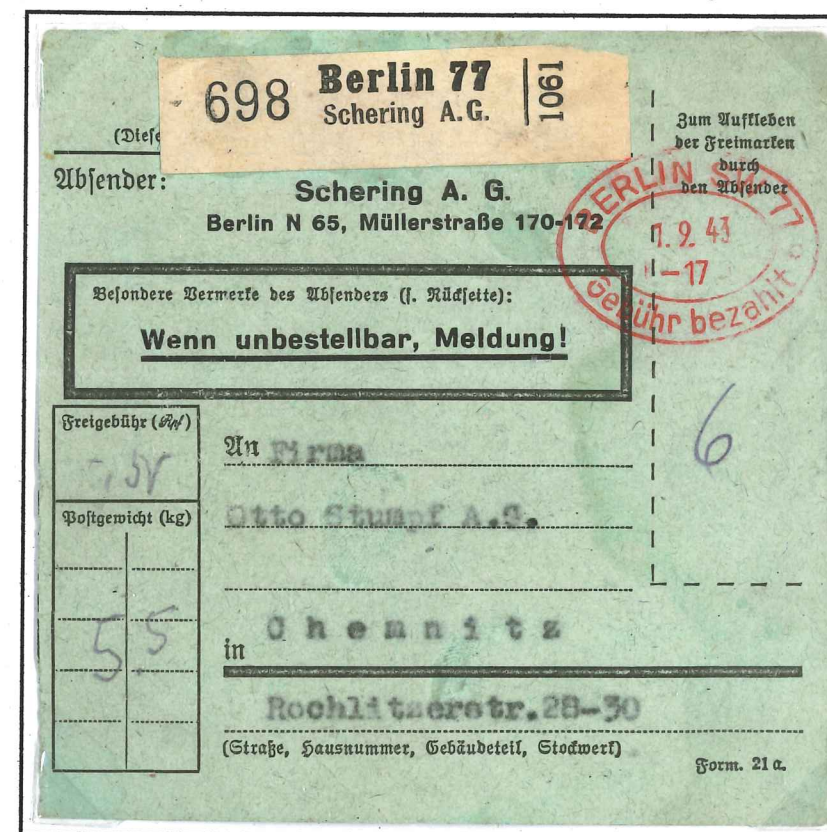
To the left: Trial color proof strips of the advertisement stamps to the 5 øre green stamps. Two vertical strips, "sodapastiller" in green (center stack of plate AB V) and "sæber" in black (right stack of plate AB IV). Each strip with every other motives.

... Gustav Hell.

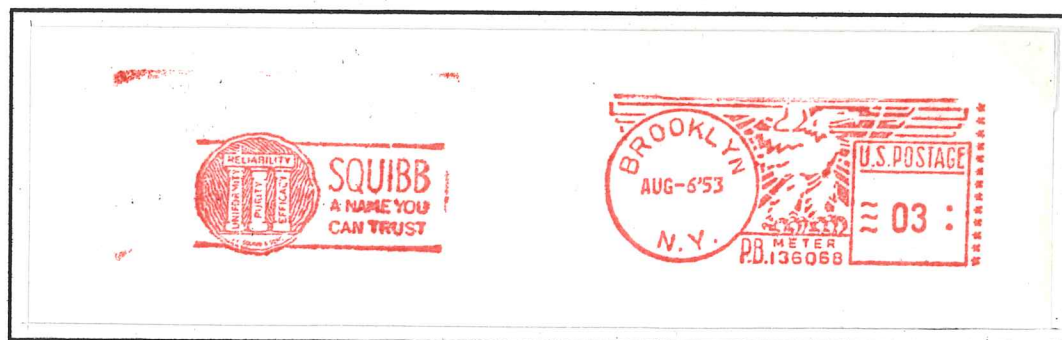


The perforated stamp "GH": The firm of Gustav Hell.

Ernst Schering's Grüne Apotheke in Berlin became Schering AG in 1851.




The label was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (698) and control number (1061).




Important companies were also established by doctors, e.g. Edward Squibb founded E.R. Squibb & Sons in New York in 1858.



Persons with no background in pharmacy, chemistry or medicine also stated pharmaceutical industry, as Fritz Hoffmann-LaRoche who founded Roche in Basel in 1896.



WHEN you buy a Boots product you can be sure that it is as pure and reliable as science can make it. Next time you visit your chemist

ask for a  **product**

Wholesale enquiries to: Milne Franker & Co. Ltd., 39 Main Street, Georgetown.

The business man Jesse Boot built up a large retail chemists' (pharmacy) organization in England. In 1892 Boots began manufacturing its own drugs after building large factories in Nottingham.

1947, 40 F, original artwork by Decaris of his planned stamps to be issued in 1948. The artwork was founded in Paris, unknown for more than 60 years. Copy of Decaris' accompanying letter is in the back. The stamp of the artwork was not issued.



A number of the most important modern pharmaceutical companies, especially in Europe, began as offshoots of the chemical synthetic and dye industry, as

... as the firm "Bayer", originally established as a dyestuffs factory in 1863.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen b. Köln a. Rh.

Gebühr bezahlt
Taxe payée
Postamt
N.

Titl.

A. B. Åkerman & Dahl

GOTENBURG

Schweden.

The Bayer fabrication area had its own public post office because of the large quantity of mail sent from the company.

In the inflation period, from 24. August 1923, the postmaster found it most appropriate to have a blank printed Bayer label to write by hand the postage.

The postage to Gothenburg 26.9.1923, in the period 20.-30. sept.: 750000 mark for 20 g plus 375000 for the further 20 g, totally 1125000 marks, written on the label. The label ("postage stamp") was used for only 6-7 weeks, and only a few percentage on mail to foreign countries.

CARTE POSTALE
POSTKAART

Nom et adresse de l'expéditeur
Naam en adres van den afzender

90c BELGIË 190c

Contre toutes douleurs

RHUMATISME, GRIPPE ET REFROIDISSEMENTS

ASPIRINE
BELGO-PHARMA-BRUXELLES
PUBLIBEL: 954

The Bayer scientist Felix Hoffmann succeeds in synthesizing acetylsalicylic acid in 1897, known as Aspirin (1899): the analgesic conquers the world!

Felix Hoffmann

COLOMBIA \$600
ASPIRINA
100 AÑOS
REPUBLICA DE COLOMBIA
ADMINISTRACION POSTAL NACIONAL
Primer Día de Servicio

Nom et adresse de l'expéditeur
Naam en adres van de afzender

CARTE POSTALE
A SON ANNIVERSAIRE
A UUR TA MERE
POSTKAART
ZET GRUWVERJAARDAG
MOEDER IN DE BLOEMEN

14, RUE RENKIN
BRUXELLES - BELGIUM

Monsieur Borremans
70 rue de Serbie
Bruxelles 6

Pour une bonne digestion
2 dragées après le repas.

20 dragées
FESTALE
NOM DEPOSE
EN TOUTES PHARMACIES
CONCESS.: S.A. SOCOTHERA • BRUXELLES • TEL. 37.12.70 (10L)
PUBLIBEL 1533

14. UND 15. MAERZ 1854
PAUL EHRLICH
10
DEUTSCHE BLINDENPOST
HAIN-HOECHST
PAUL EHRLICH
1854-1954
16.3.54.-20
BAHNBRECHER DER HEILKUNST

Herrn

Hoechst originally established as a chemical company ("Farbwerke") in the german town Hoechst in 1863.

6361

Firma
LEVERKUSEN
1511.34
I.G. WERK

Panflavin
PASTILLEN
Zum Schutz gegen Grippe,
Halsschmerzen,
Halsentzündung

DEUTSCHES REICH
024

I.G. Farbenindustrie Aktiengesellschaft
Verkaufskontor Leipzig,
I.G. Farbenindustrie Aktiengesellschaft

Leipzig Cl

IG Farben, formed in 1925, was the largest chemical company in the world and introduced a lot of drugs. But because of its war crimes, e.g. Zyklon B used in Holocaust, the firm officially liquidated in 1952.

Copy (70 %) of the front.



Nur 1 Probad wird verabfolgt. Bitte nebenstehenden Bon abzutrennen.



G. Münsel's Loh-Tanninbäder
Wallstr. 70 BERLIN, Pankstr. 32

heilen sicher und radical Gicht, Ischias und jeden
Rheumatismus,
alle Haut-, Blut- und Frauen-Krankheiten,
Nerven-, Magen-, Nieren- und Blasen-Leiden,
sowie alle Folgen der Influenza und
≡ Quecksilber-Kuren. ≡

Prospect mit Hunderten von Dankschreiben Geheilte sende gratis und franco. Pension für schwerkranke und auswärtige Patienten in der Anstalt. Aerztliche Sprechzeit jeden Dienstag und Freitag von 6-7 Uhr Nachmittag. Täglich geöffnet für Damen und Herren bis Abends 10 Uhr, Sonntags nur Vormittag.
Bei Abgabe dieser Karte 1 Probad 1 Mk. (1. Classe 1,50 Mk.)

Abschneiden und aufbewahren.

Inhaber dieses Bons
erhält bei Abgabe Derselben 12 Loh-Tanninbäder zu dem Ausnahmepreis von
16 Mk. statt 18 Mk.
2. Classe, und
25 Mk. statt 30 Mk.
1. Classe.

G. Münsel,
Berlin,
Wallstr. 70 und
Pankstr. 32.

Hier den Bon abschneiden und aufbewahren.

"Nostrum" drugs flourished the marked from the eighteenth to the beginning of the twentieth century: The ingredients were secret, the effect unproved, but was claimed to be used against nearly every disease ...

Mulready envelope, advert letter sheet, 1840.



Copy (70 %) of the front.

No. 4.—JULY 27th, 1840.

HALLETT'S POSTAGE ADVERTISER.

The plan of this work is to sell the Envelopes at 8d. per dozen to Advertisers, and to the Public at 10d. Every Advertiser shall be at liberty to draw (if he pleases) after the rate of one dozen stamps for every line of his advertisement, by which the circulation will be, in a great measure, in their own hands. Nevertheless, the Proprietors will sell to the public the whole, should the advertiser not require them. It is hardly necessary to say, from the great reduction in price, they are immediately bought up by the public, and the edition being 5000, added to its novelty, offers a medium for publicity hitherto unprecedented; and means will be used for each advertiser to see that that medium is really printed.

NEW SONGS and Vocal Duets.

| | | | |
|--------------------------------|---------------------|-------------------------|-----|
| LEAVE US NOT. | Mrs. Hemans. | E. J. Nielson. | 2 0 |
| THE HAPPY HOME. | Chas. Swain. | E. J. Nielson. | 2 0 |
| HOME OF MY FATHERS. | A. Park. | C. H. Purday. | 2 0 |
| BIRD OF THE FOREST. | Miss C. Lethbridge. | W. Aspull. | 2 0 |
| ENGLAND! GLORIOUS LAND! | W. Howett. | E. J. Westrop. | 2 0 |
| THE ADIEU. | L. E. L. | E. J. Nielson. | 2 0 |
| SWITZERLAND, DEAR SWITZERLAND. | duetto. | J. Blewitt. | 2 0 |
| LONG TIME AGO. | duetto. | T. E. Phipps. | 2 0 |
| SUNBEAM OF SUMMER. | duetto. | Mrs. Hemans V. Bellini. | 2 0 |
| TYROLESE EVENING HYMN. | duetto. | Mrs. Hemans. Auber. | 2 0 |

London: Z. T. Purday, 45, High Holborn.
* * * Catalogues Gratis.

MANNING'S CRYSTAL VARNISH FOR WATER COLOUR PAINTINGS, TRANSFERS ON WOOD, &c.—This excellent composition may be used with the greatest success by amateurs for beautifying and rendering permanent all kinds of water colours, pencil drawings, transfers, and fancy paintings, retaining a smooth surface, and giving a beauty and finish to the work never before attained, without cracking for any length of time. To be had in bottles at 1s. and 2s. 6d. each, at Hallett's, sole agent, 83, High Holborn, opposite the George and Blue Boar.

BLAIR'S GOUT AND RHEUMATIC PILLS.—The recent Testimonial of Lieut. Masters (of Hawley, near Bagshot), late of the Royal Newfoundland Veteran Companies, who was invalided home by a Garrison order, together with the numerous Certificates which have been published from persons in every station in life, from all parts of the empire, particularly those of the Rev. Dr. Blomberg, the Chevalier de la Garde, &c. &c., demonstrate this Preparation to be one of the greatest discoveries in Medicine. Sold by Thomas Prout, 229, Strand, London; and by the Venders of Medicines throughout the empire.

WORKS BY THE Rev. John Howard Hinton, A.M.

INDIVIDUAL EFFORT FOR THE CONVERSION OF SINNERS ENFORCED, in a Series of Lectures, adapted to promote a Revival of Religion. A new edition. 12mo. In the press.

This is the volume to which "THE ACTIVE CHRISTIAN" is a companion and sequel. It has frequently been called for, and may be expected shortly.

2.—A TREATISE ON MAN'S RESPONSIBILITY. 12mo. Price 2s. 6d., cloth boards.

3.—THE PRINCIPAL TOPICS OF THEOLOGY, treated in a Series of Essays on the Harmony of Divine Truth and Human Reason. 12mo. Price 5s. 6d., boards.

4.—THE WORK OF THE HOLY SPIRIT IN CONVERSION, considered in its Relation to the Condition of Man and the Ways of God; with Practical Addresses to a Sinner on the principles maintained. Second edition. 12mo. Price 6s.

"We cordially recommend this volume to the very serious consideration of persons who are either perplexed by imperfect and inaccurate views of the subject of which it treats; or who are deceiving themselves, and hardening themselves in sin, in consequence of unscripural and false representations of it."—*Congregational Magazine*.

5.—THE ACTIVE CHRISTIAN; a Series of Familiar, Experimental, and Practical Addresses on Subjects connected with Individual Effort for the Conversion of Sinners. 1 vol. 12mo. Price 4s. 6d.

"It is a most valuable addition to our practical theology; and is full of admirable suggestions as to the best methods of treating the several cases of spiritual malady which present themselves to the minister and private Christian in their walks of usefulness."—*Evangelical Magazine*.

6.—ON COMPLETENESS OF MINISTERIAL QUALIFICATION. 12mo. Price 2s.

"We concur in recommending Mr. Hinton's views of ministerial qualification to the attention, not only of candidates for the sacred office, but of all conductors of education for the ministry."—*Eclectic Review*.

7.—THE MEANS OF A RELIGIOUS REVIVAL; a Sermon. Third edition. 12mo. Price 8d., stiff covers.

8.—MEMOIR OF JOHN HOWARD HINTON, who died at Reading, Jan. 10, 1835. 32mo. Price 1s., cloth boards.

9.—CHRISTIAN SYMPATHY. 32mo. Price 6d., in stiff covers.

10.—ON PRAYER. 32mo. Price 4d., in stiff covers.

London: BALL, ARNOLD, and Co., 34, Paternoster Row.

NEW LABEL.
In consequence of the great variety of Counterfeit Wrappers of "ROWLAND'S MACASSAR OIL," now in circulation, and which so nearly resemble the original as frequently to deceive the unwary, the Proprietors have determined to issue a new and improved label, the attainment of which is the object of the present notice. The Proprietors, who have succeeded in producing "A NEW LABEL," of such a nature, and of so complicated and intricate a design, and of such a difficulty of execution, as to amount to an impossibility of imitation, and to be considered by connoisseurs a masterpiece in the art of engraving.

The Label forms a combination of beautiful designs—a portion encircling a Bust of Her Majesty the "QUEEN"—which surmounts the words, in two lines—**ROWLAND'S MACASSAR OIL.**

(The ground-work is composed of the most elaborate and chaste patterns of lace-work.) Under which are the Signature and Address of the Proprietors in red—**A. ROWLAND & SON, 20, Hatton Garden, London.**

The Label is backed by a design so exquisite and minute as to defy competition; it comprises the words "Rowland's Macassar Oil," written nearly 1,400 times, and containing 29,028 letters.

20, Hatton Garden, London, Jan. 1, 1840.

ROWLAND'S MACASSAR OIL.
The ground-work is composed of the most elaborate and chaste patterns of lace-work. Under which are the Signature and Address of the Proprietors in red—**A. ROWLAND & SON, 20, Hatton Garden, London.**

THE BEST APERIENT and Antibilious Medicine for occasional Use.
FRAMPTON'S PILL OF HEALTH effectually relieves the Stomach and Bowels by gentle relaxation, without griping or prostration of strength. They remove Headache, Sickness, Dizziness, Pains in the Chest, &c., the first dose; are highly grateful to the Stomach, promote Digestion, create Appetite, relieve Langour and Depression of Spirits; while to those of a full habit, and free livers, who are continually suffering from Drowsiness, Heaviness, and Singing in the Head and Ears, they offer advantages that will not fail to be appreciated.

Sold by Prout, 229, Strand, London, price 1s. 1½d. per box; and by most Medicine Venders in the kingdom.

Printed by Joseph Rogerson, 24, Norfolk-street, Strand, London, and Published for the Proprietors by W. Hallett, 83, High Holborn, where all orders for advertisements and Envelopes are to be addressed. Any communication or suggestion will be thankfully received by the proprietors.

... and the nostrums were announced without inhibitions. For example: "Blair's Gout and Rheumatic Pills.....to be one of the greatest discoveries in Medicine."

Most of drugs presented problems of both safety and efficacy ...

Destinatar

ROMANIA 1500 L

Carte poștală

Expeditor

POSTA ROMANA
Se duce vesita
Cod 031/2003

Medicul

David Teniers jun.

... because drugs often contained dangerous levels of potentially deadly ingredients, as ...

Nom et adresse de l'expéditeur
Naam en adres van de afzender

CARTE POSTALE

BRIEFKAART

STOP au DANGER
DES MURS HUMIDES!
qui sont la cause
de 63% de rhumatismes

provoquent REFROIDISSEMENTS, BRONCHITES, ASTHME, ETC...

PROCEDE SUISSE ELECTRO-OSMOTIQUE SANS COURANT
GARANTI 20 ANS SUR FACTURE • DOCUMENTATION GRATUITE

E.P.D. RUE LEON THEODOR 147, BRUXELLES 9 TEL. 27.19.99
26.01.23

ASSAINISSEZ VOTRE MAISON... L'ETAT VOUS AIDERA !!!

... and arsenic? The drug "Emoglobina Arsenicale Schettini" claimed to be used against anaemia, and sounds like it contains arsenic. But such potentially dangerous ingredients were not revealed.

Emoglobina Arsenicale Schettini La prescrivono i più dotti Medici italiani e stranieri - 25 anni di continuo successo

In tutte le forme di povertà di sangue, poichè è l'unico preparato riconosciuto efficace per la Purificazione e rigenerazione del sangue

Allo stato attuale della scienza è superiore a tutti i rimedi a base di Ferro ed Arsenico attualmente in uso.

Premiato Stabilimento Farmaceutico dott. GIOVANNI SCHETTINI - Via Salvatore Tommasi, 65 - NAPOLI

EMOGLOBINA ARSENICALE
GLOBOLI ROSSI
CURA RADICALE DELLE ANEMIE
USO INTERNO ED IPODERMICO
FARMACEUTICA

È l'unico preparato moderno, poichè possiede tutte le proprietà chimiche e fisiologiche adatte per la immediata restaurazione al normale della Emoglobina, come di essa ne fanno attestato i migliori luminari della scienza quali:
Cardarelli, Pansini, Senise, Pettoruti, Tedeschi, Castronuovo, Rubino, Cucca, Biondi, De Renzi, Devant, Ciaramelli, Bianchi, Fede, Capozzi, Sogliano, Schron, D'Amato, Brancaccio, Radice, Perli, Landolfi, ecc. ecc.

L'EMOGLOBINA SCHETTINI per uso ipodermico ha fatto stupire il mondo. Molti sono i rimedi concorrenti lanciati in commercio con dovizia di pubblicità, ma l'Emoglobina li batte tutti, poichè risulta costituita dagli elementi stessi del sangue.

Preparato Organo Terapeutico Originale
Premiato con: Grand Prix Lyon 1901 - Gran Croce d'onore e Medaglia d'oro, Roma 1901 - Gran Premio, Albano-Roma 1911
Fuori concorso (Membro del Giury) Nizza 1901 - Med. Bronzo, Napoli 1900.

Usa interno ed ipodermico
cura completa: Quattro flaconi, oppure quattro scatole di fialette
Prezzo del Flacone o della Scatola L. 9,90 ognuno

Guardarsi dalle dannose imitazioni e falsificazioni che saranno punite a norma di legge. - La nostra Ditta non ha succursali sia a Napoli che nelle Provincie.

Per lavori di testo, commerciali e di lusso, rivolgersi alla *Tipografia Selecta* - Via Paolo Emilio, 73

BUVA-LETTERA-POSTALE
A FAVORE DELL'OPERA NAZIONALE PER LA PROTEZIONE ED ASSISTENZA AGLI INVALIDI DI GUERRA

AL VERO STOK
Specialità in Seterie - Nastri - Fantisie - Fiori
Vele e tulle - Velluti e Sciarpe
Merletti - Ricami - Specialità in calzetterie

ROMA
Via Quattro Fontane, 107-8 - (ang. Via Nazionale)

Grandioso Garage S. Cecilia
della Ditta
UMBERTO SEMPREBENE
ROMA
Piazza S. Cecilia N. 21

MITTENTE
Unione Farmaceutica Dott. GIOVANNI SCHETTINI
Via Salvatore Tommasi, 65 - NAPOLI

ACQUA PURGATIVA

Stampata con inchiostru Fluor

Copy (70%) of the front.



... alcohol ...



... narcotics, as opium (from Papaver Somniferum), and ...

Imperforated upper side

OSTALE

CONGRES DE PHARMACOLOGIE
19 JUILLET
PARIS

REPUBLIQUE FRANCAISE
080

FRANCE
020

10° Jean Scauers
19, rue de la ferme
57.350 STRISLING-WENDEL

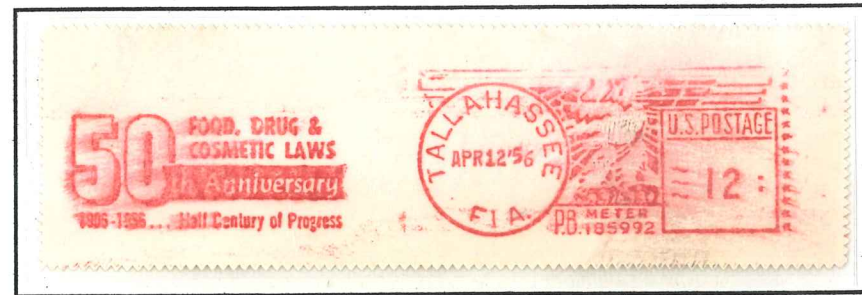
The new science of pharmacology (about dosage and effect) would provide help, but ...

Janssen Pharmaceutical Ltd
Opening of New Head Office
MARLOW BUCKS 6th MAY 1974

... unfortunately the pharmaceutical industry did not establish pharmacological laboratories until well into the 20th century.



Vertical misperforation



Copy of the front.



Postal stationery, printed matter with lower postage, 3 pf, than the ordinary postal stationery

The purity, efficacy and safety of the increasing number of new drugs became matters of public concern. In the United States Wiley's work led to the epoch-making drug legislation in 1906.



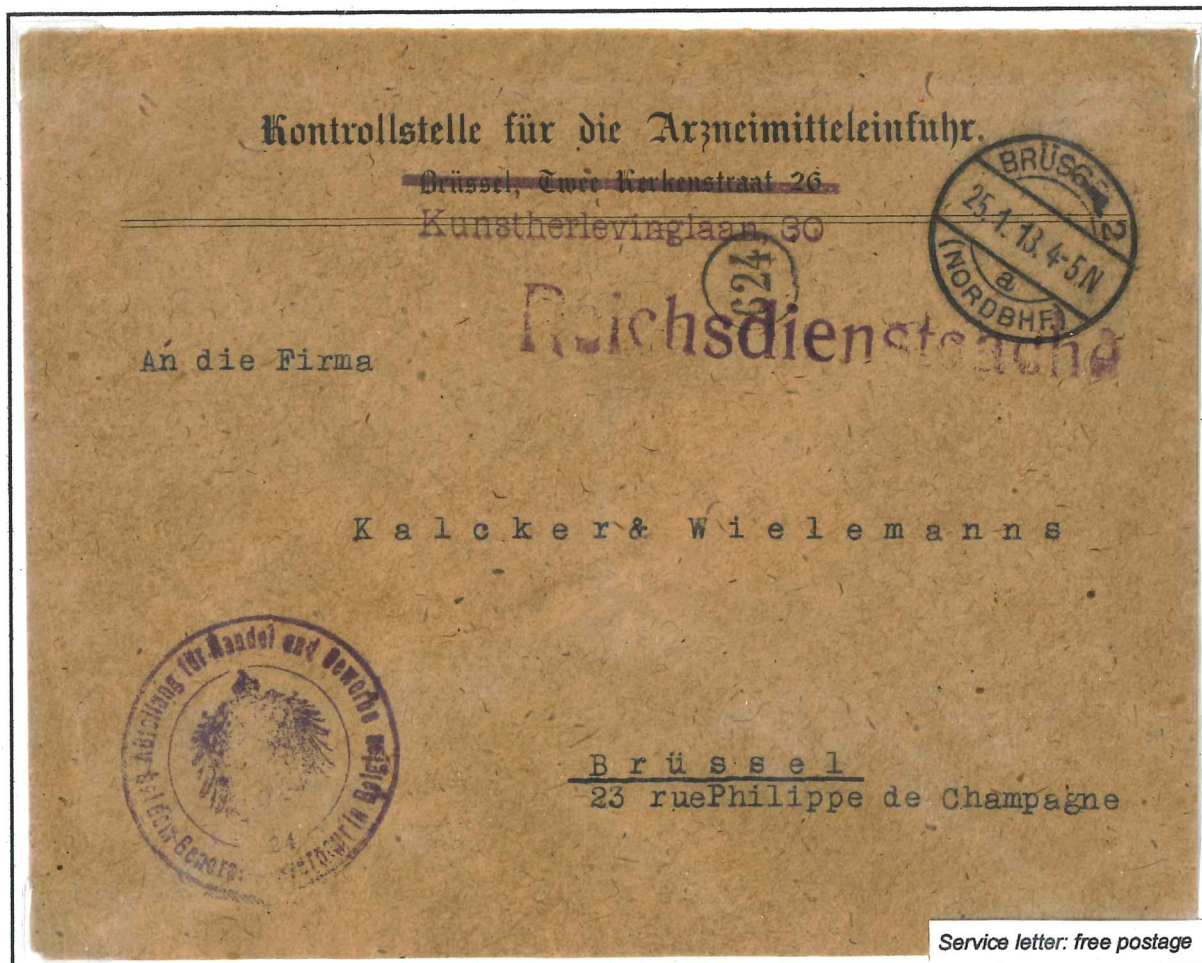
Similar drug legislation were introduced to other countries. The purpose of the Danish Medicines Agency ("Lægemiddelstyrelsen") is to ensure that drugs are of satisfactory quality, are safe to use and that they have the desired effect.



At first the manufactures had to label only strong acting ingredients, like alcohol, morphine, cocaine and chloroform. This illustrated drug, Beatin; contains no such strong acting ingredients, according to the label. Later, a complete listing of all ingredients were required.



Arturo Illia worked against the powerful economic industry and introduced price control of drugs.



Service letter: free postage

Based on the international problem of narcotic addiction, national drug inspections were established in the beginning of the 20th century for the control of the plethora of new powerful drugs.



Drugs have been subject to international trade fair.



In the last years the patients' complaints about drugs have been fortified through the foundation of public boards, as the danish "Sundhedsvæsenets Patientklagenævn".

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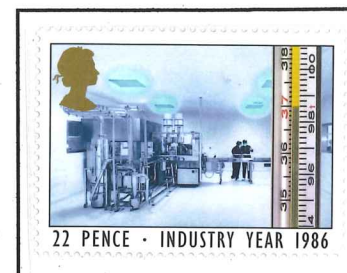
1996年3月3日开奖，3月4日公布中奖号码，3月15日—5月15日兑奖有效。中奖号码刊登在公布日的人民日报、工人、经济、光明等报纸上。兑奖时，领奖人须持此片及有效证件领奖。号码涂损、无号、自行剪下无效。

F 01组
No. 7115884

The industry as inventor of new drugs, became not pronounced before the 20th century,



Jinling Pharmaceuticals



... as the cephalosporin antibiotics at Glaxo



... and making new biologically drugs available, as the interferon beta-1b (Betaferon®) in the treatment to slow the progression of multiple sclerosis, ...





Australia 43c

75th Anniversary of the Commonwealth Serum Laboratories



... modern drug production and research needs great financial and technological resources and well-educated personnel.



PRODUSELE NOASTRE pentru SĂNĂTATEA DUMNEAVOASTRĂ



Dr. Reddy's Laboratories Ltd.
Reprezentanța în România
Str. Av. Petre Crețu nr. 74 – București
Tel/Fax: 223.31.84 E-mail: cris@drl.eunet.ro

150L



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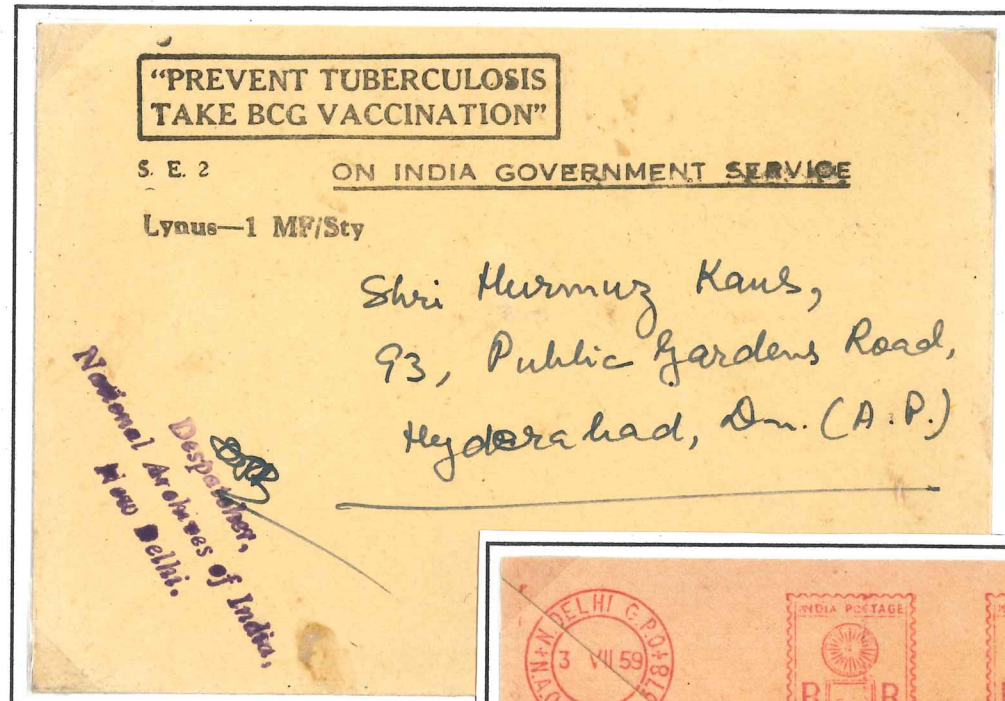
Blocul _____ Scara _____ Etajul _____ Apart. _____

Sectorul _____ Județul _____

| | |
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| Codul | Localitatea |
|-------|-------------|

The pharmaceutical industry became the dominating supplier of drugs.

Vaccination became so important to improve the public health, ...



Service letter. Sender cancellation: N. Dehli G.P.O./N.A.O India D-378 = National Archives of India.

Copy (80 %) of the back.



... in the child vaccination campaign against for instance measles, ...



Progressive proofs of issued stamp (1988).



... that doctors could order vaccines on free postage card to the producer (addressee).



The development and production of immune globulins (antibodies), serums and vaccines ...

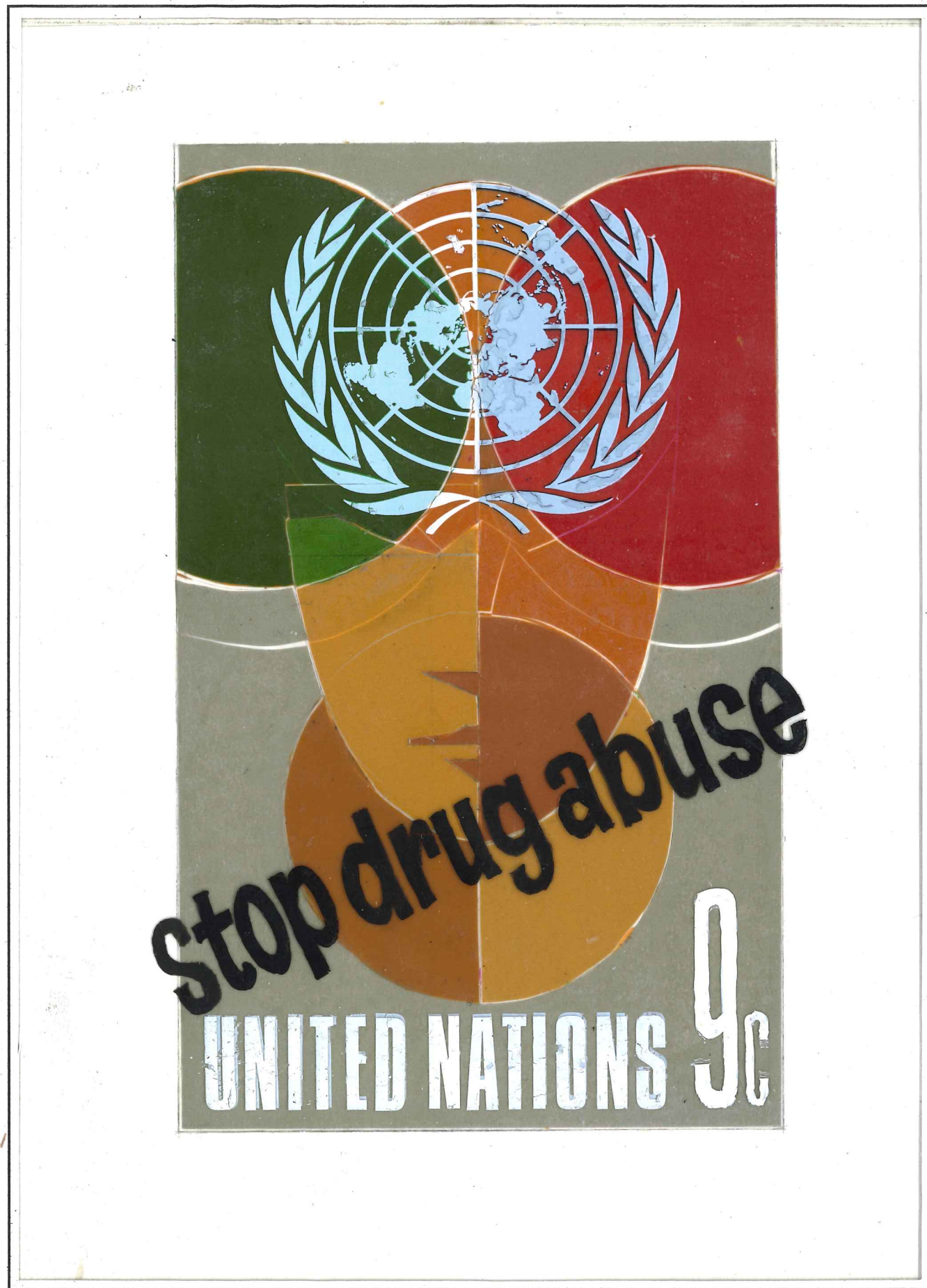


The imprint on the postal stationery "19-x": The "x" means that the postal stationery was issued by the Danish post-office.

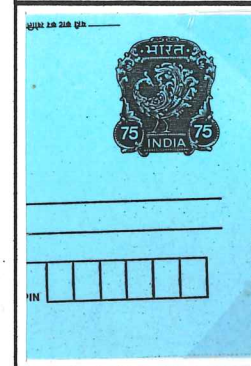
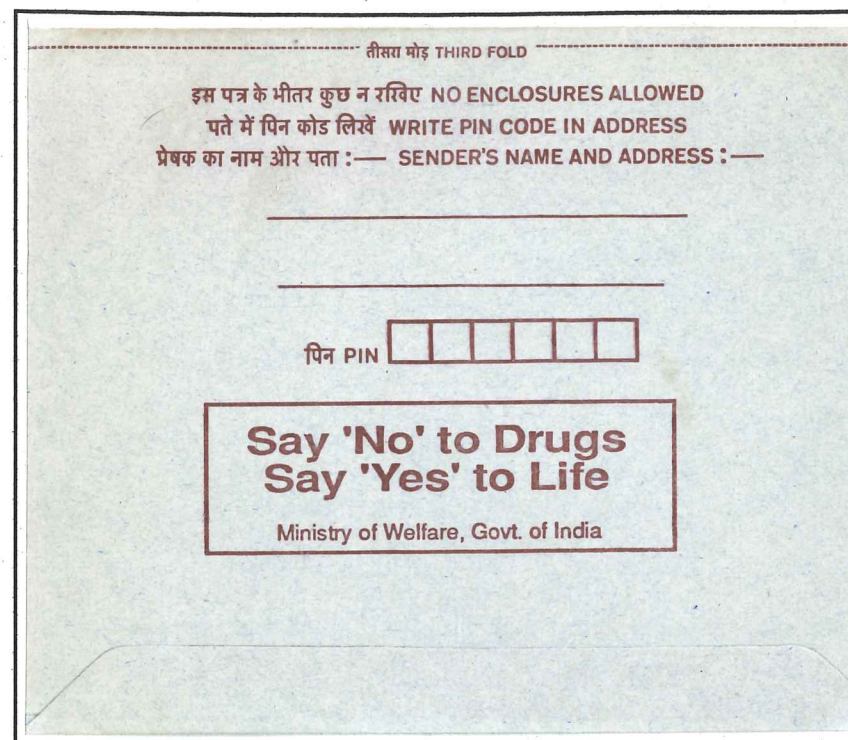
... was often started up by national authorities, and are still mainly produced by public companies, e.g. "Statens seruminstitut", on account of the preventive health care.

... because of Side Effects

The misuse of drugs as narcotics has existed since ancient times, and has become a worldwide problem.



Original artwork, unaccepted design for United Nations stamp. Acetate overlay of printing over watercolor of mask of face in brown and partial red, green and brown circles painted on heavy cardboard, signed on the back by the artist. Dimensions are 22 x 25 cm.



Copy (50 %) of the front.

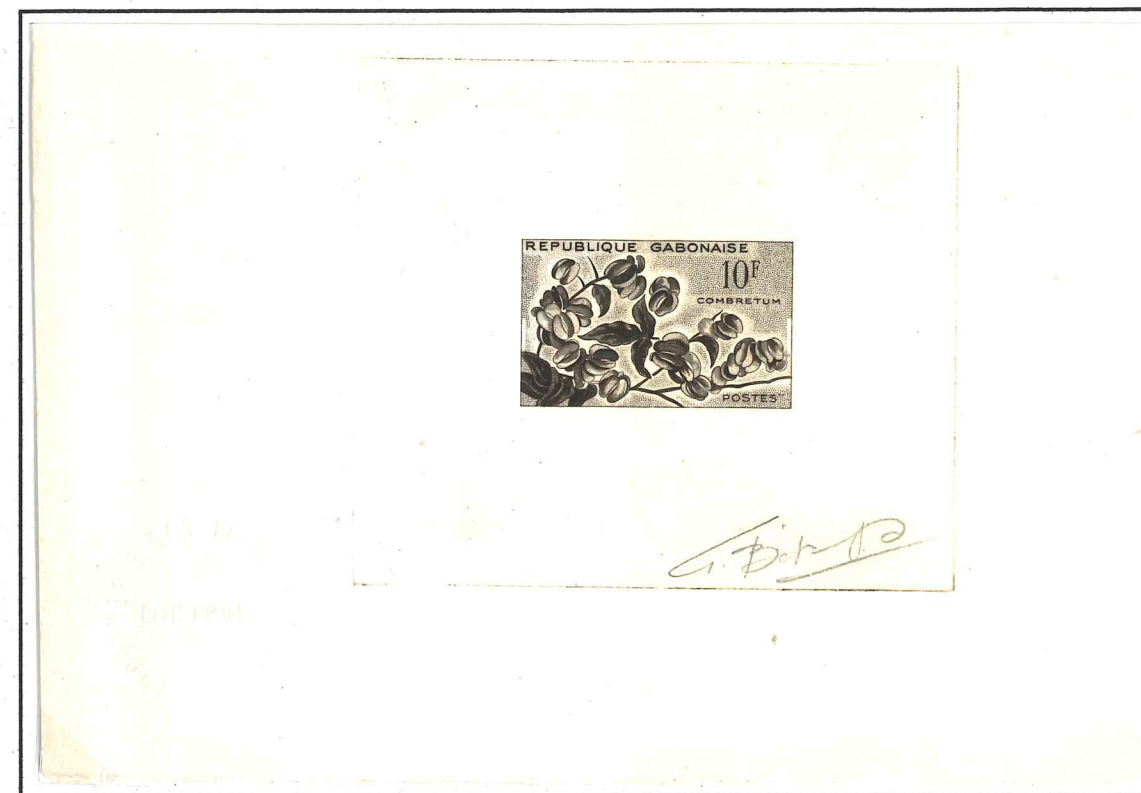
Drug addicts towards substances for example ...

Combretum plant has been used in China as a decoction to cure the opium habit.



... opium.

Imperforated corner block of four, top left, with margin imprints.



Proof in black of issued stamp, signed by the engraver Betemps



Especially strong pain-stilling, sleeping and sedative drugs may affect the power of reaction and cause traffic accidents.

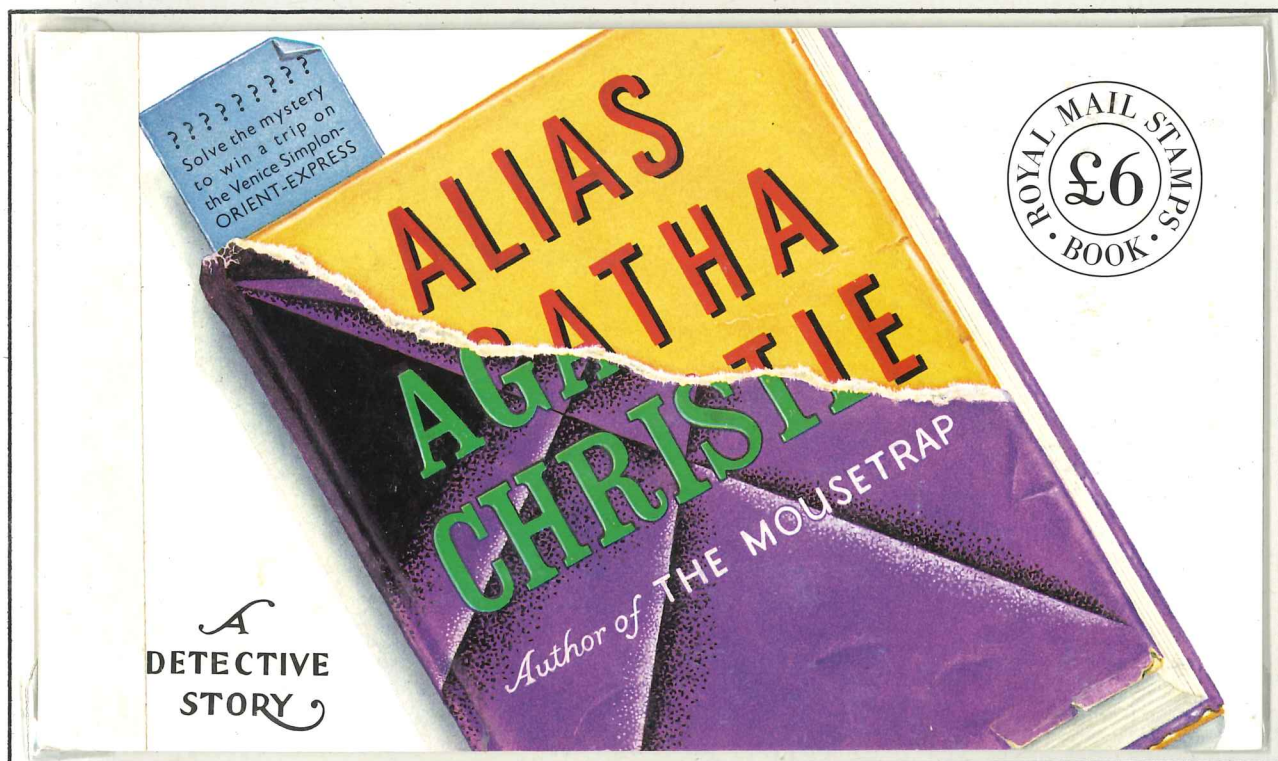
... because of Poisoning

The military pharmacist Francois-Zacharie Roussin, professor in chemistry and toxicology, analyzed more than 800 toxicoses and published "Medical Jurisprudent of Toxicosis".



Proof with handwritten colour code, green, issued stamp in purple (1951).

Agatha Christie's pharmaceutical knowledge about drugs and poisons became known to the readers.



Drugs can give serious poisoning:



... as barbiturate (synthesized by Emil Fischer) a sleeping agent. Overdosage may be fatal.

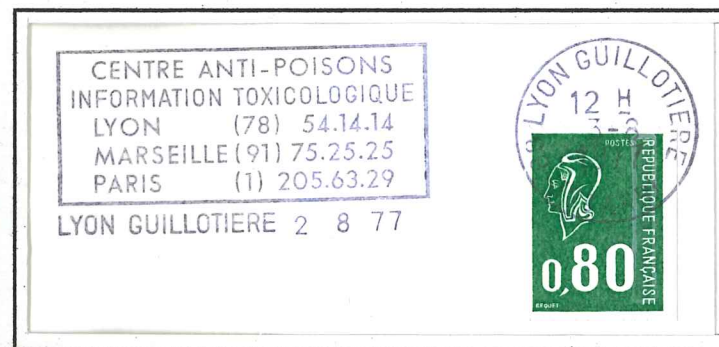


And strychnine (from the plant), used in stimulating tonics, but fatal in larger dose. Now forbidden.

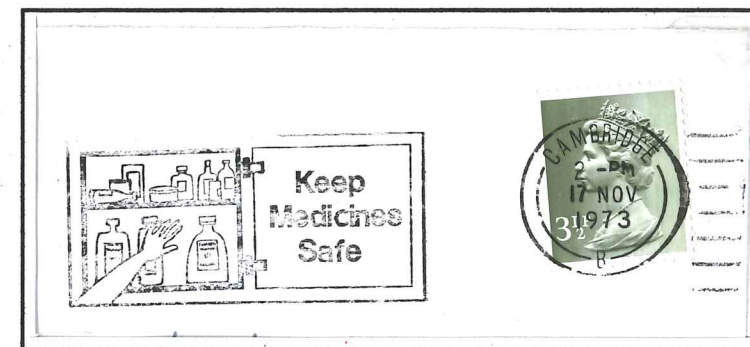
For a long time a poison mark, death's head, was used on some strong acting drugs as a warning to safe use.



These centers gives useful information about drug poisons and treatment.



Attempts to decrease the risks of drug poisonings.



Drugs may also be an Instrument of Power

Opium has been wielded as an instrument of economic power in China. Lin Ze Xu advocated an anti-opium movement, contributed to the Opium War ...



Lin Ze Xu



"Burning of seized opium in Humen".

... and ordered all foreign commercial traders to submit their opium to him, and it was burned.



The fight against misuse of drugs in sport ("doping") have been intensified.

The constantly searching for information about health, disease and treatment ...



... in medicine books: "Do you want more knowledge about health and disease?" (translation), and ...

Imperforated bottom margin horizontal gutter pair with tabs. Issued 1988. Certificate in the back.



...by the use of computers ...

Back of private postal stationery, "Deutsche Reichpost" 1900.

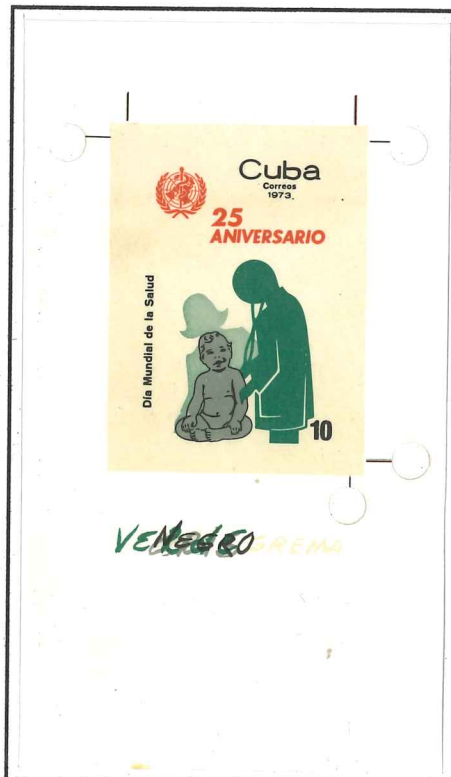


... and by information from the health service. The people in Moscow used these telephone numbers to get more information about drugs.



This may give new hopes for the sick.

Imperforated single colour proof, issued (1973) without gum.

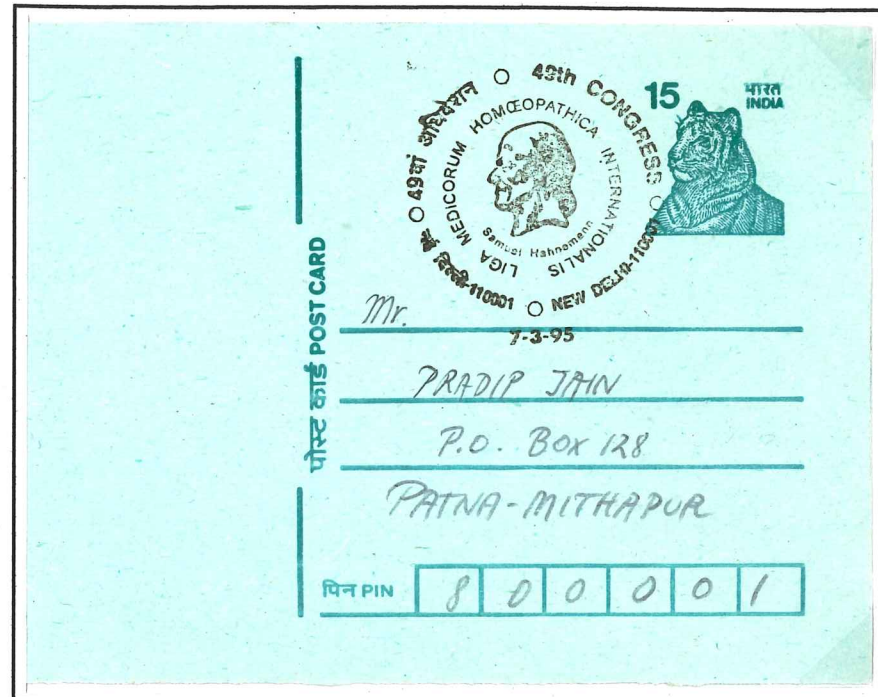


After medical examination ...



... maybe the doctor have a drug to help ?

Samuel Hahnemann, the father of homeopathy, had an idea:



Because cinchona bark in larger dose provoke fever, while it reduce fever at malaria, ...



The label "Homöopathische Zentral-Apotheke" was a product from the post-office services to special companies. They put the label on the dispatch note with the intention of getting a reduced postage. The numbers are registration number (694) and control number (1562).

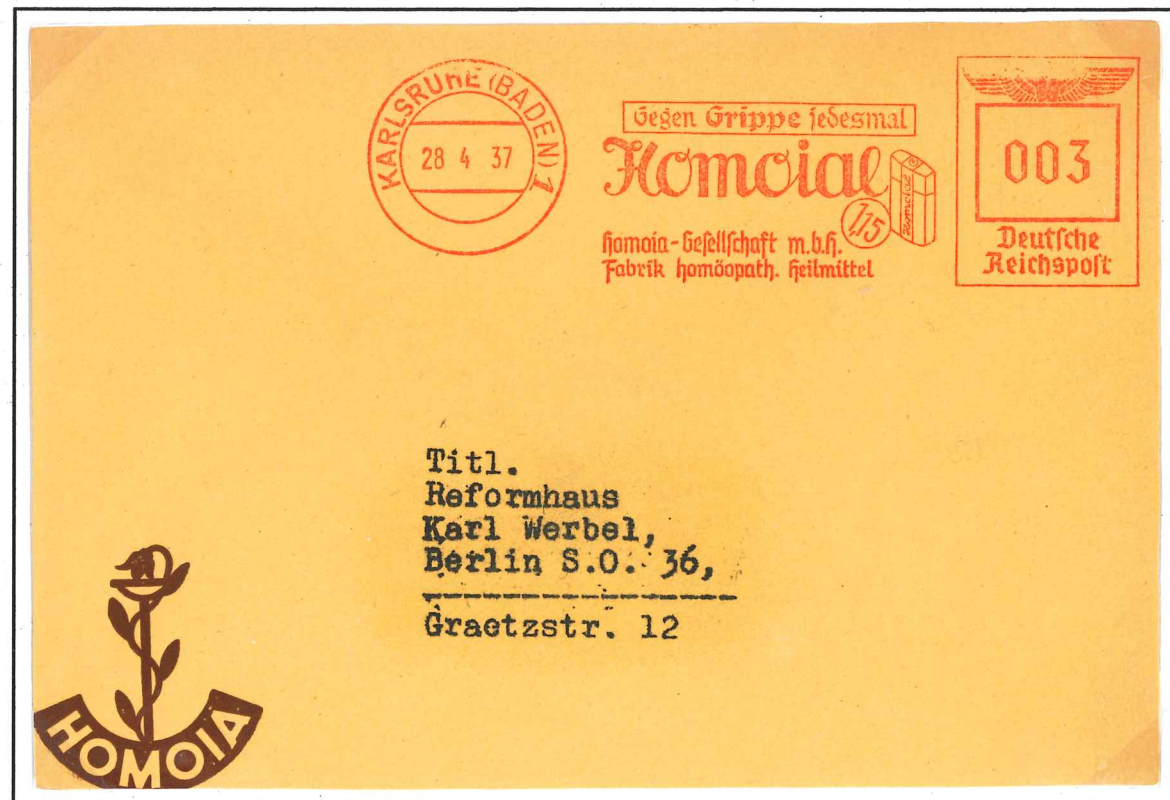
Wrong cut in the sheet and wrong perforated in the vertical margin.



Hahnemann introduced the concept: "Similia similibus curentur" - like cured by like.



The homeopathy received quick and wide acceptance. Homeopathic pharmacies equipped to make up the minute homeopathic doses, ...

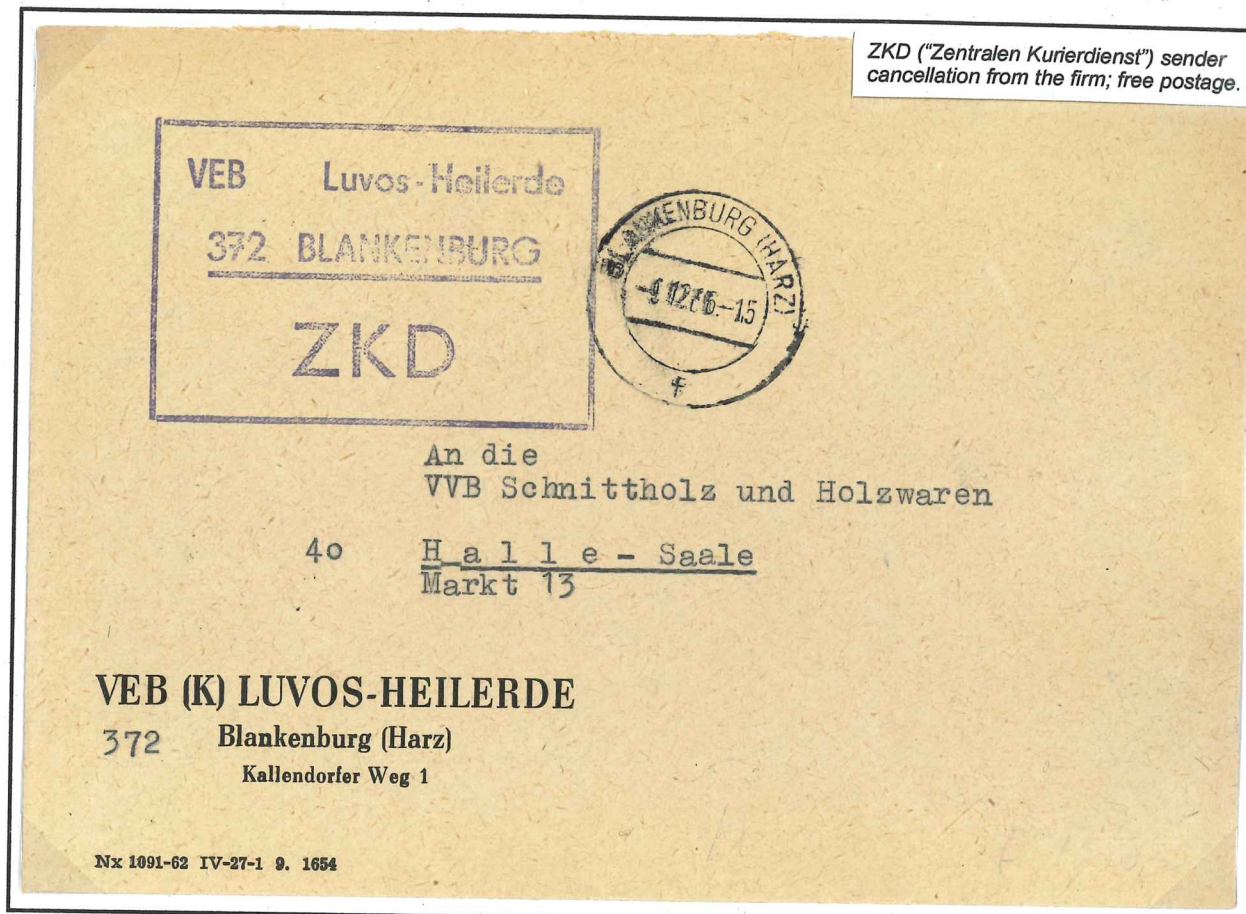


... and homeopathic factories producing the drugs were established.

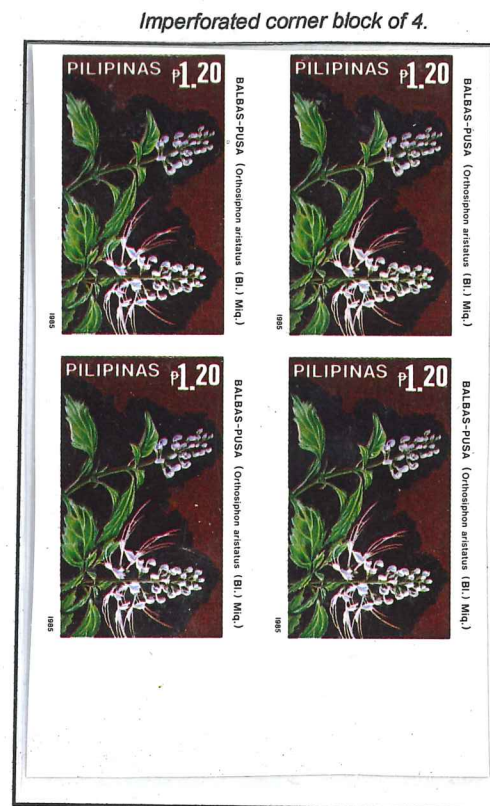


Advertisement postal stationery 1908.

The homeopathic therapy became widely used against many diseases.

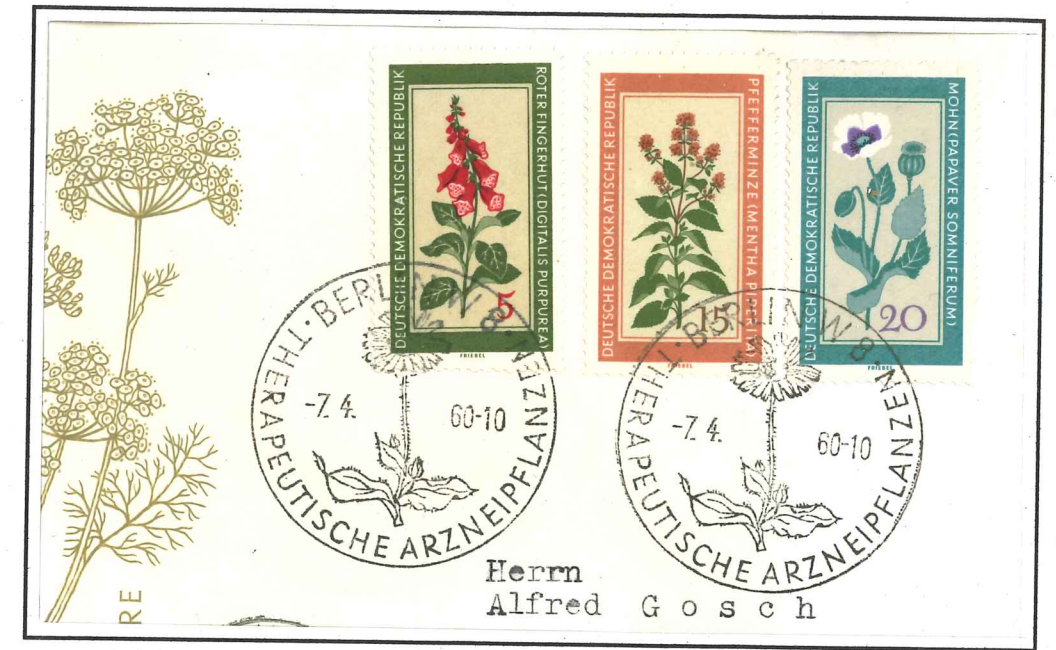


The firm Luvos produce medicinal clay ("Heilerde", "healing earth"), recognized as an alternative drug against diarrhea, heartburn and acid-related stomach pain.



The plant is used to treat urinary tract ailments.

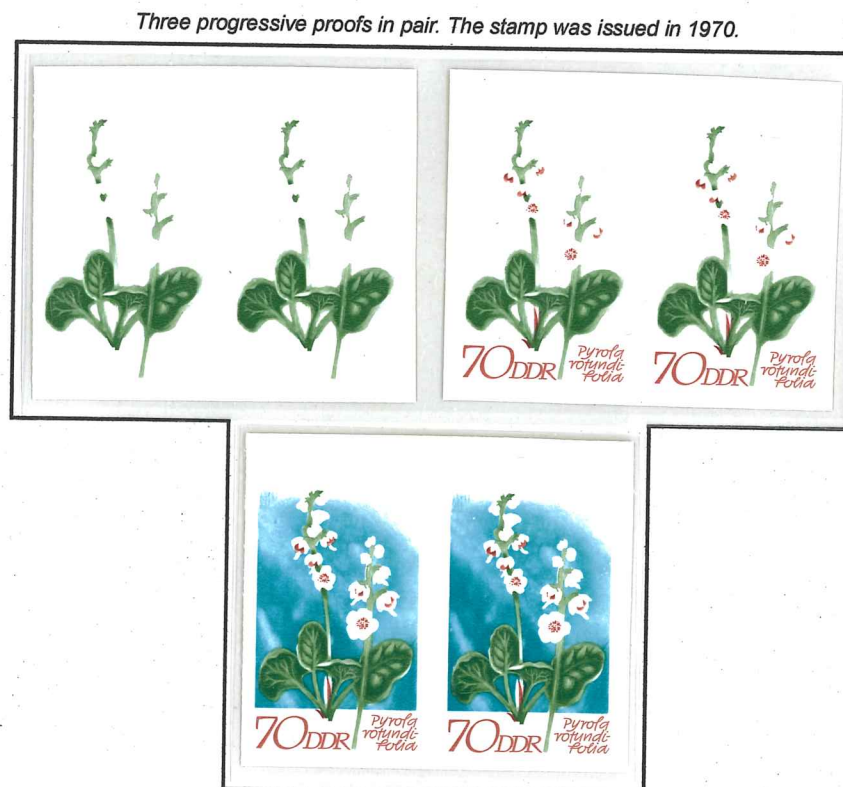
Arnika (the plant illustrated in the cancellation) for local application on bruises and sprains.



Issued stamp and the variety without the black printing.

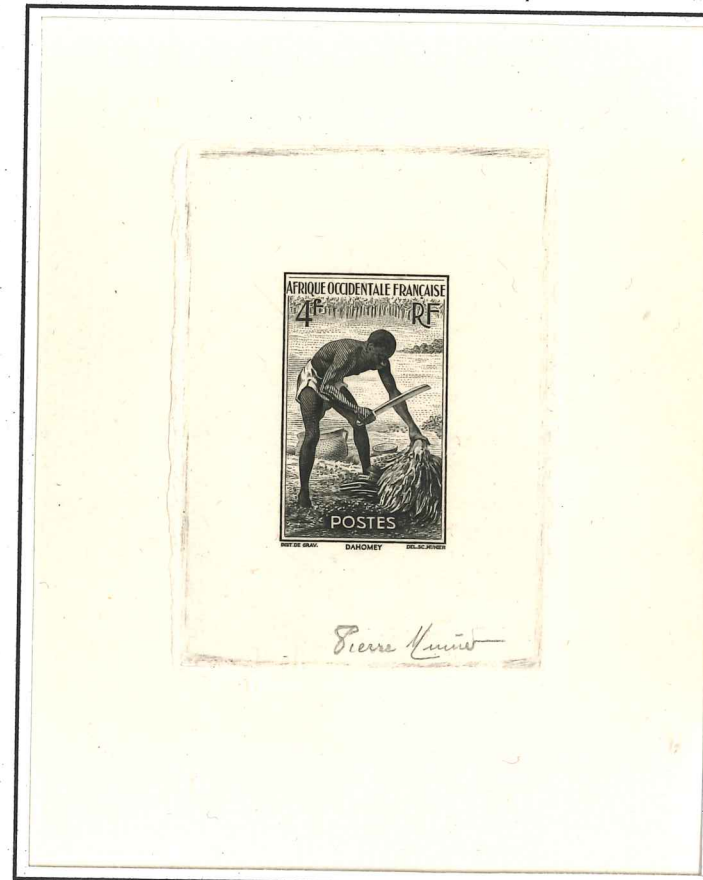


The Golden Trumpet have been used against some liver diseases.

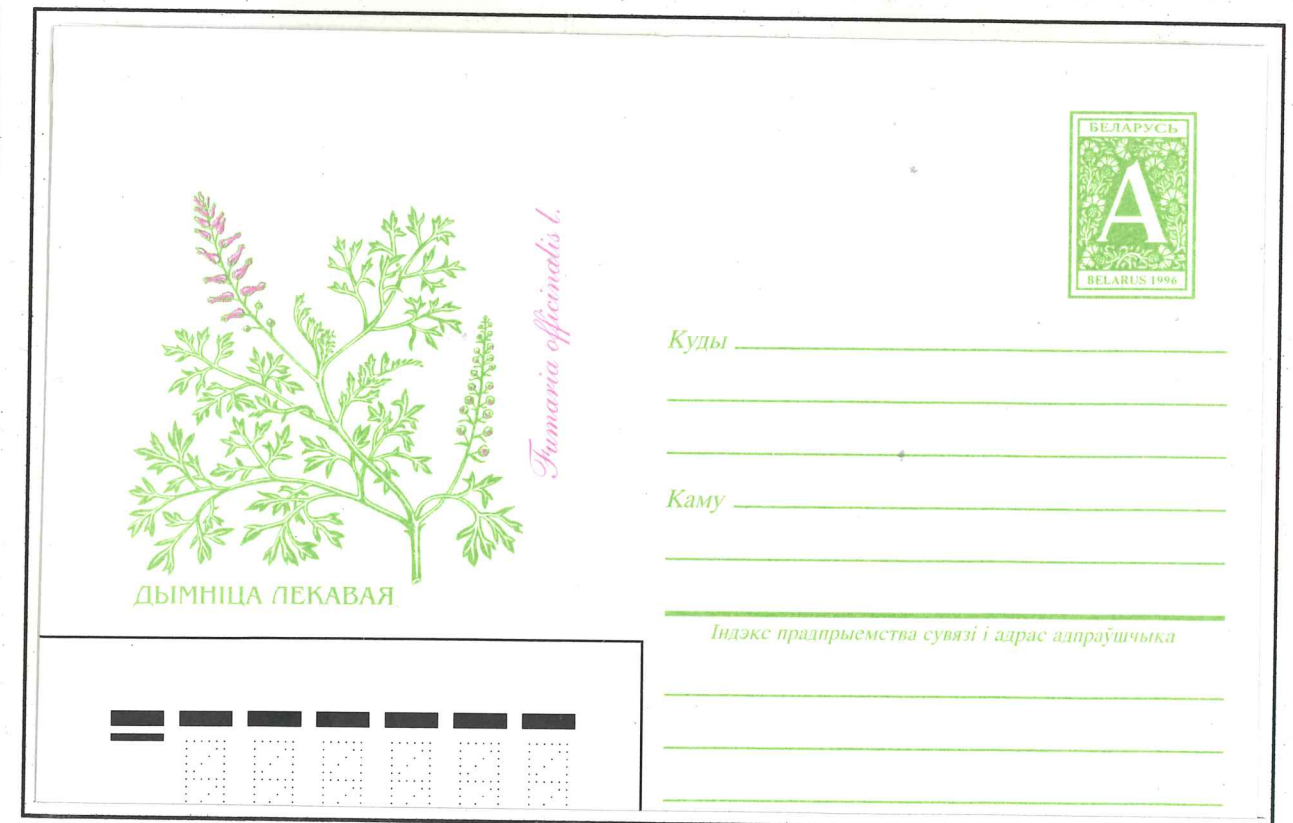


Three progressive proofs in pair. The stamp was issued in 1970.

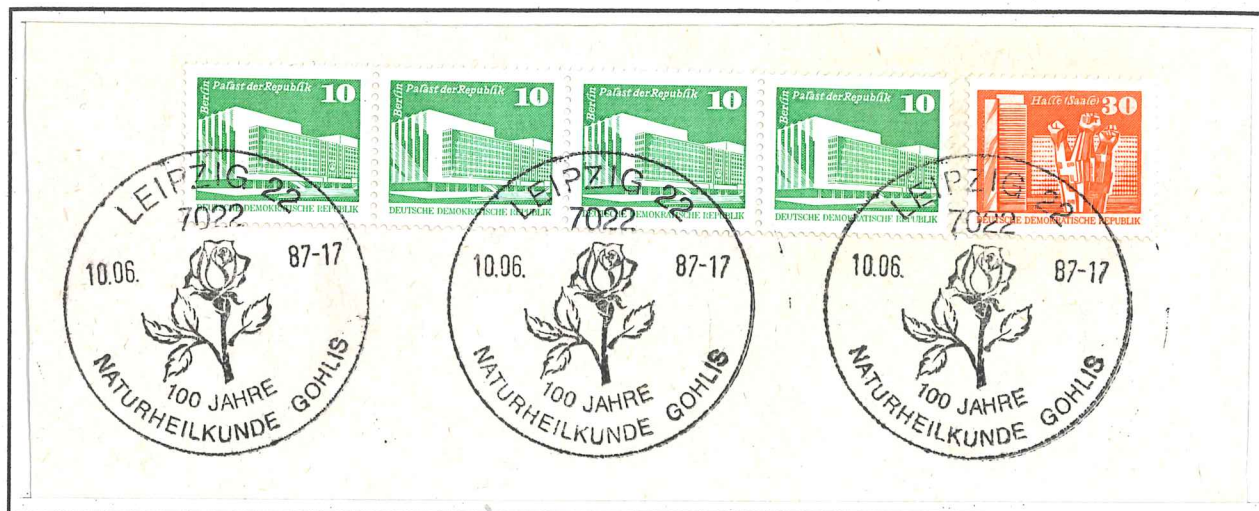
Proof in black, signed by the engraver Meunier. Stamp issued 1947 in blue.



The cabbage palm tree is used as a vermifuge.



But be careful! Many people believe that traditional drugs have no side effects. The Common Earth Smoke (Fumaria officinalis), used to treat skin and eye diseases and to cleanse the kidney, may be poisonous because of its alkaloids. It should only be used under the direction of a medical herbalist.



But the interest for traditional medicine ("folk medicine", "nature medicine") have exploded. The international company Madaus has developed and currently manufacture a number of drugs of plant origin.



...Gloriosa simple, used to treat a variety of illnesses, and ...

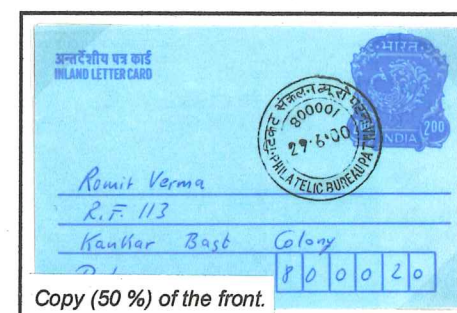


Proof sheet of 20 stamps. The stamp issued in 1988.

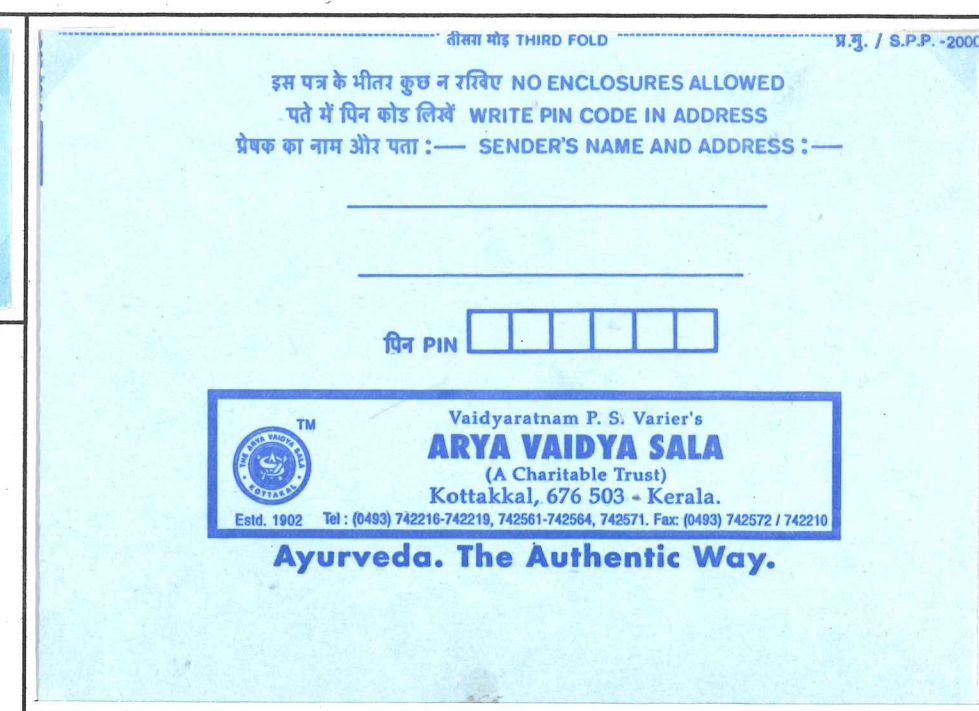


Trial color proofs in margin strip of five with multicolor and printer's color codes in pencil. Issued stamp 1961.

People are also searching for even more exotic traditional medicine, as Newbouldia Laevis and ...



Copy (50 %) of the front.



... the use of alternative medicine from the East, as ayurvedic drugs, traditional medicine native to India.



One of the most popular drugs of the Eastern medicine is the ginseng root. It is used for diverse supposed benefits as a stimulant and cure-all drug!