

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



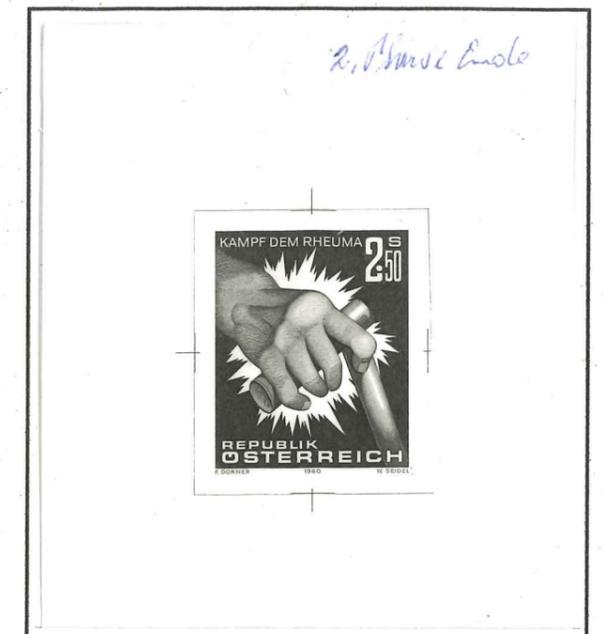
Chemical formula of acetylsalicylic acid

... to relieve Pain and Inflammation

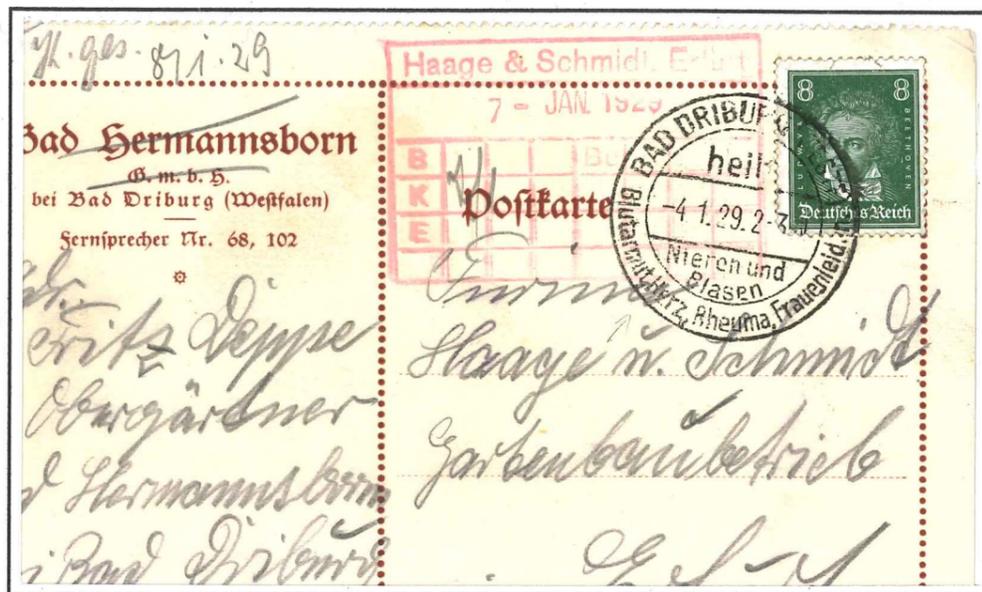


... known as Aspirin, a milestone in the ...

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.



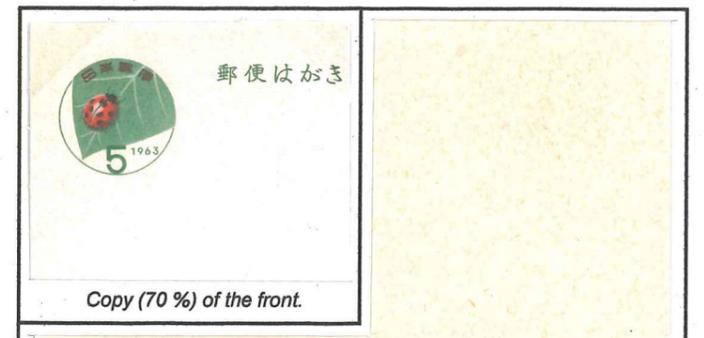
externally use of juniper berry oil ...



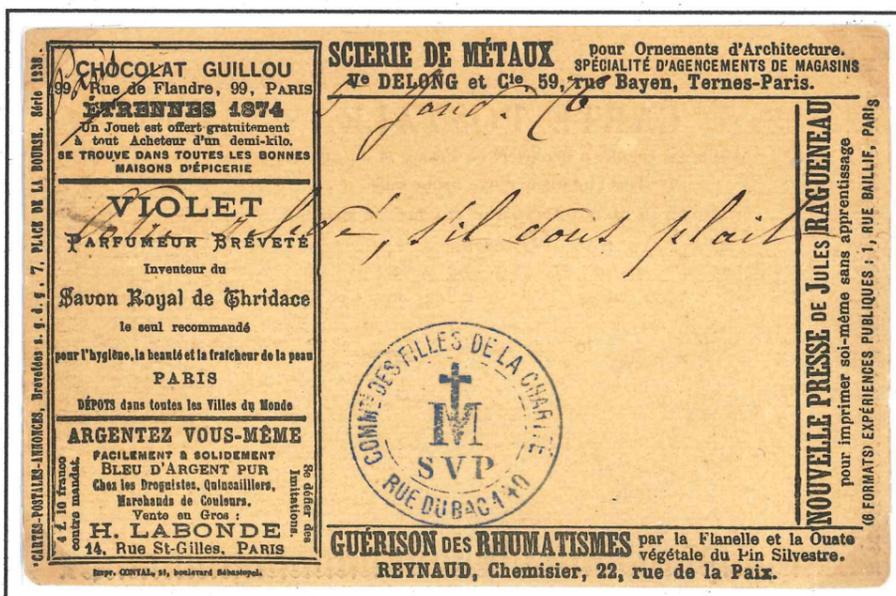
... camphor (from Cinnamomum camphora), ...



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



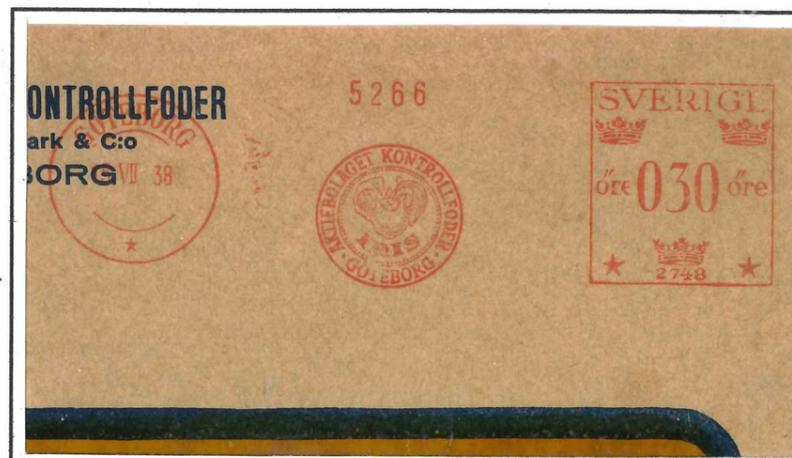
Copy (70 %) of the front.



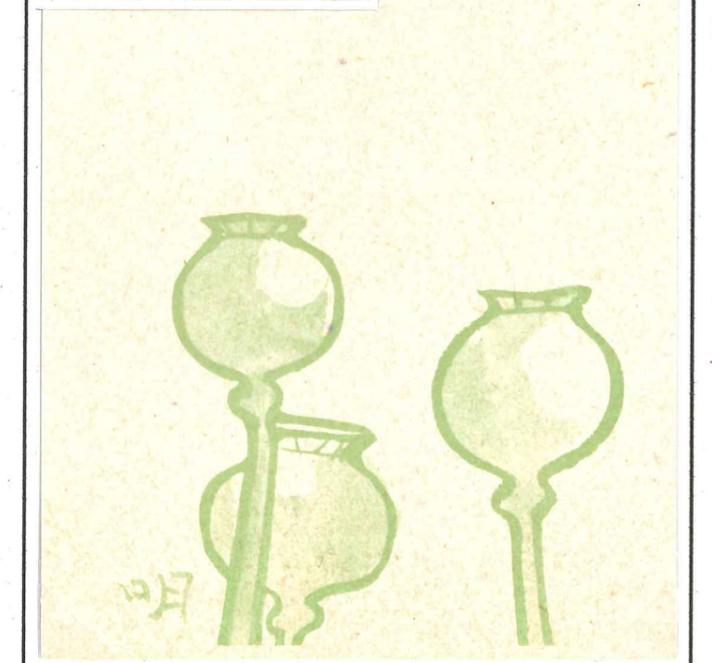
... oil of turpentine, from Pine wood (Pinus silvestris), by increasing the skin blood flow.



Copy (70 %) of the front.

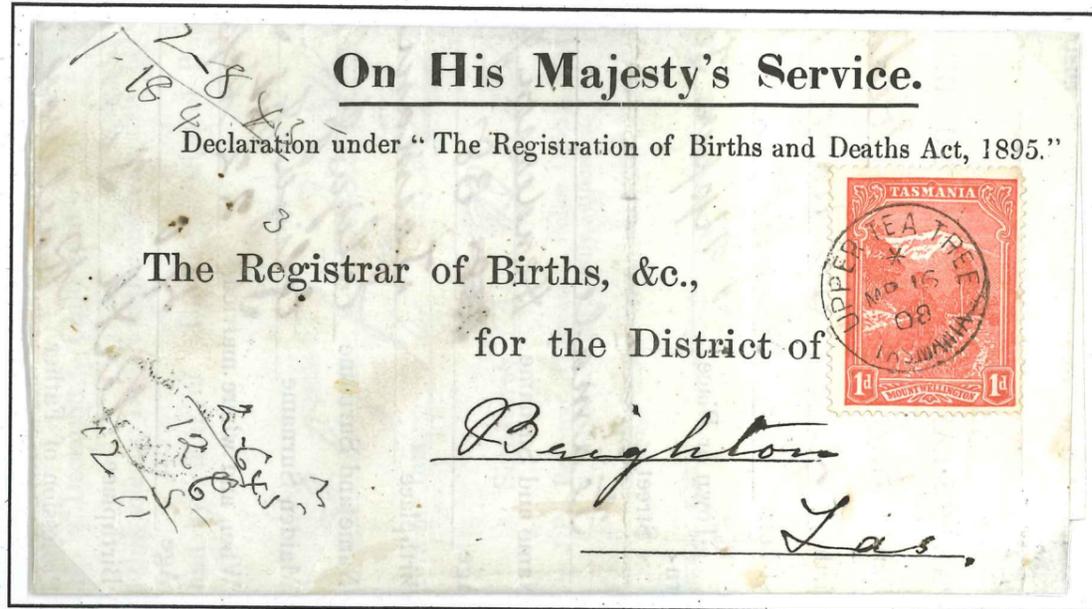


The root of Iris have been used to reduce the baby's toothache.

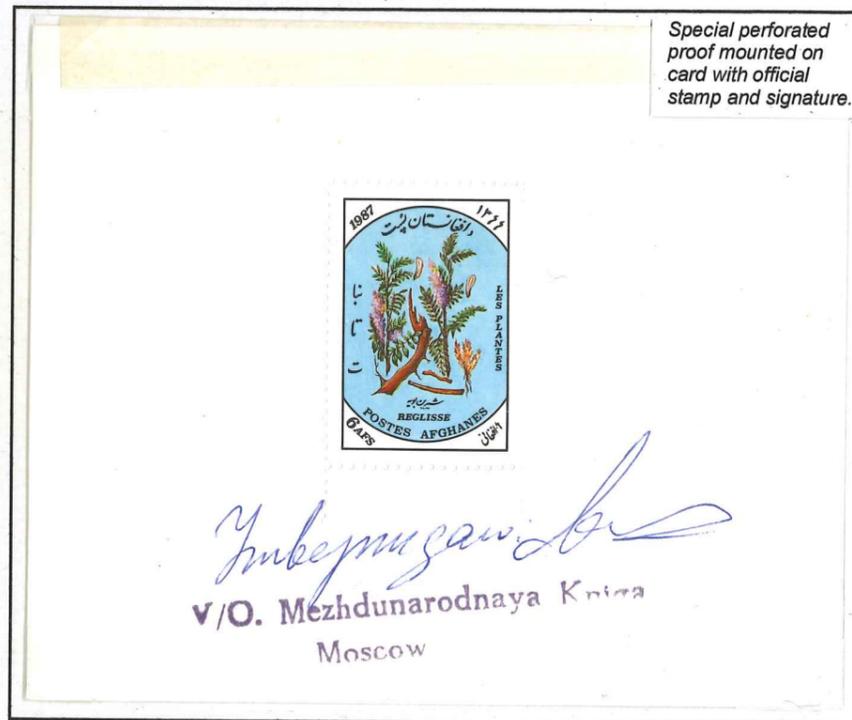


Opium, the dried latex obtained by incision from the unripe capsules of Papaver somniferum, is a strong pain-stilling analgetic because of its content of morphine.

... 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.

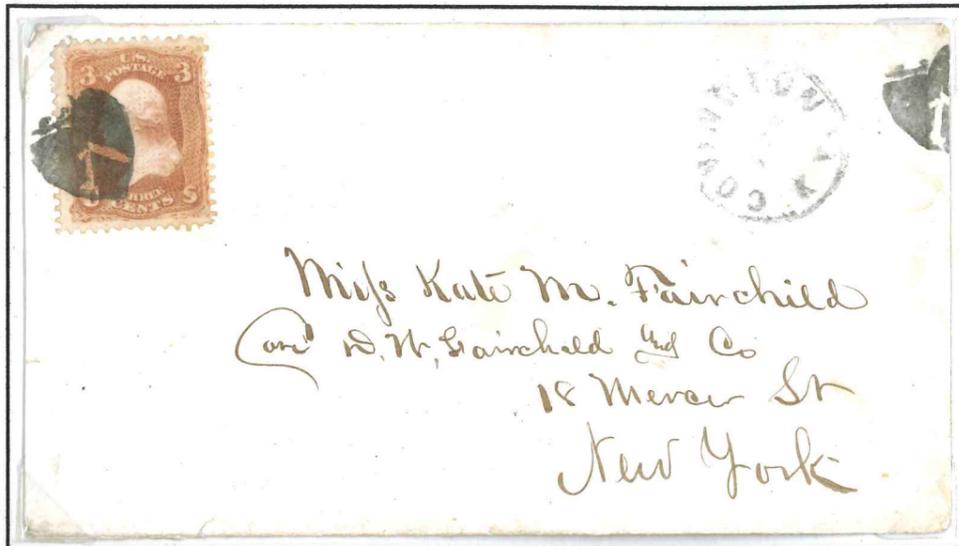
... to relieve Cardiovascular Diseases

"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).

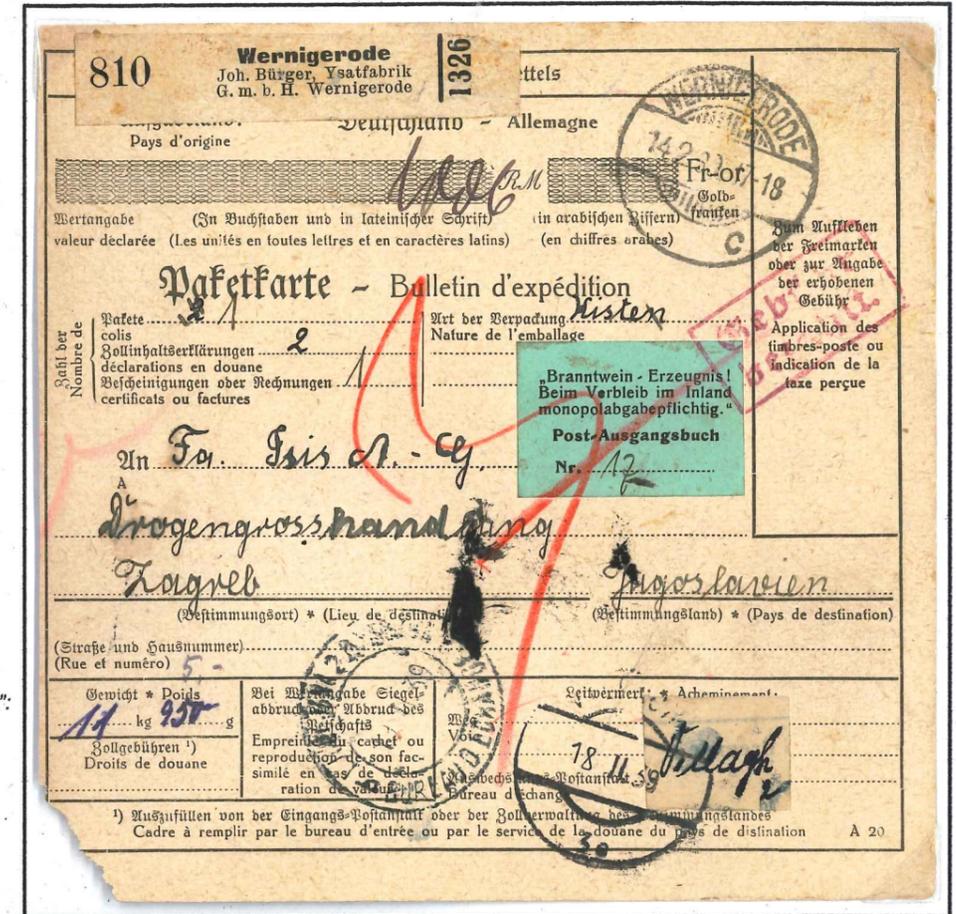


Variety: Imperforate pair.



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.

Mint postal stationery.

Variety:
Used postal stationery, without printed postage value.

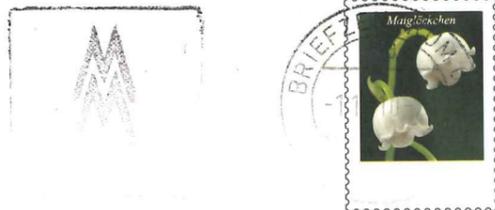


Horst Lüdicke
Dieskaustraße 272
04249 Leipzig
Telefon: 0341/4247088



Lieber Horst,
Sende dir wunschgemäß die Karte mit den Harzer Wanderstempeln zu.

Leipzig den 1.11.2010
Gruß Frank



Herrn
Horst Lüdicke
Dieskaustraße 272
04249 Leipzig

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

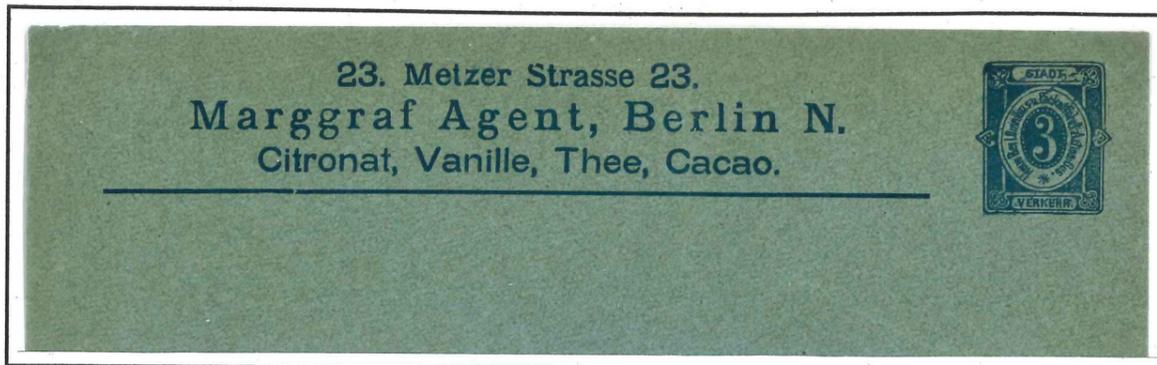
Adonis vernalis contains adonisid, having a digitalis-like action.

... 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 ...

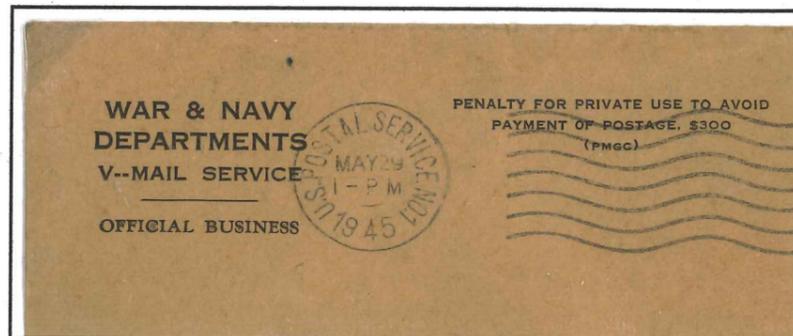
... and peppermint oil: cover disagreeable taste of many drugs.



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.



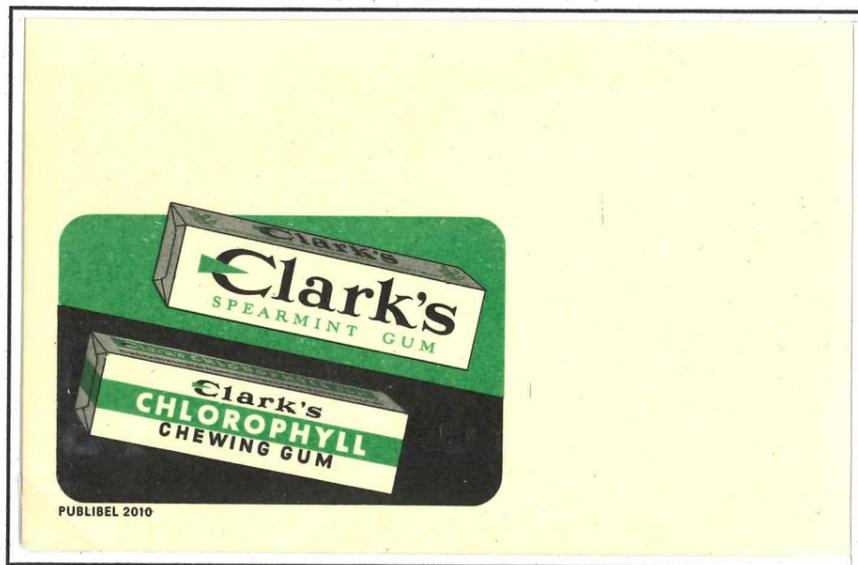
Coloring agents is important to distinguish between drugs and not make all of them white, by using ...



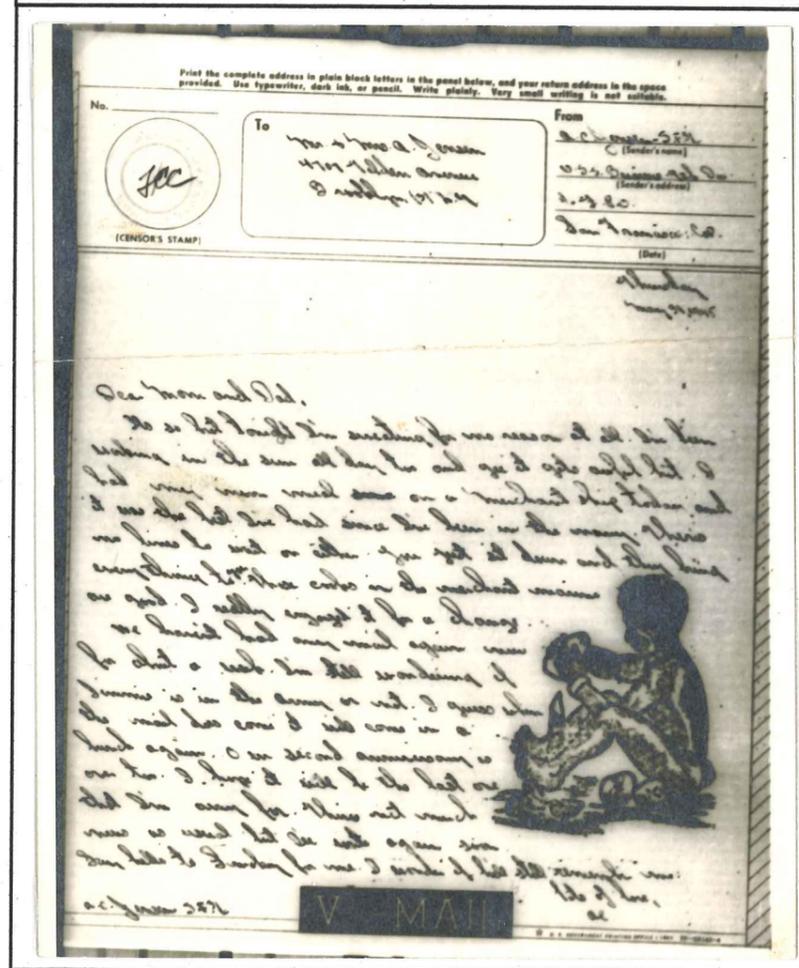
Variant, double surcharge "7" (75 c).

... the red bixin ...

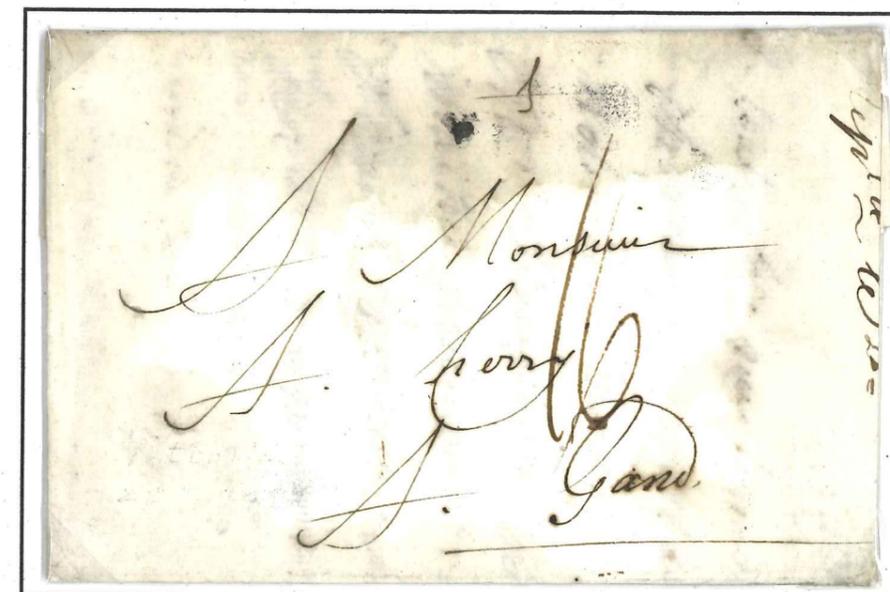
... and the natural green chlorophyll.



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

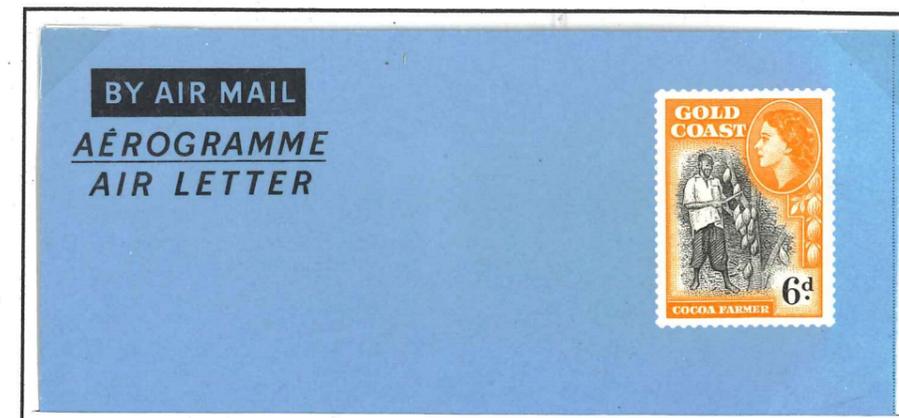


"Native boy opening coconuts ("Cocos nucifera") with sharpened stick". Coconut oil forms a readily absorbable ointment basis, and is used as a basis for the preparation of mixtures of drugs unstable in water.

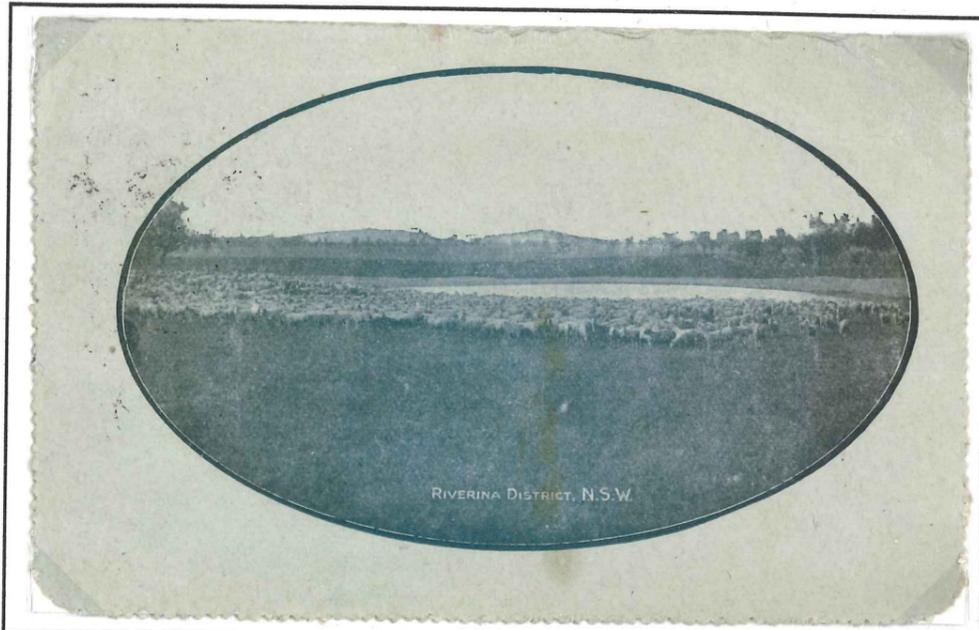


Letter from Vittoria 22.7.1804, disinfected with vinegar.

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



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.

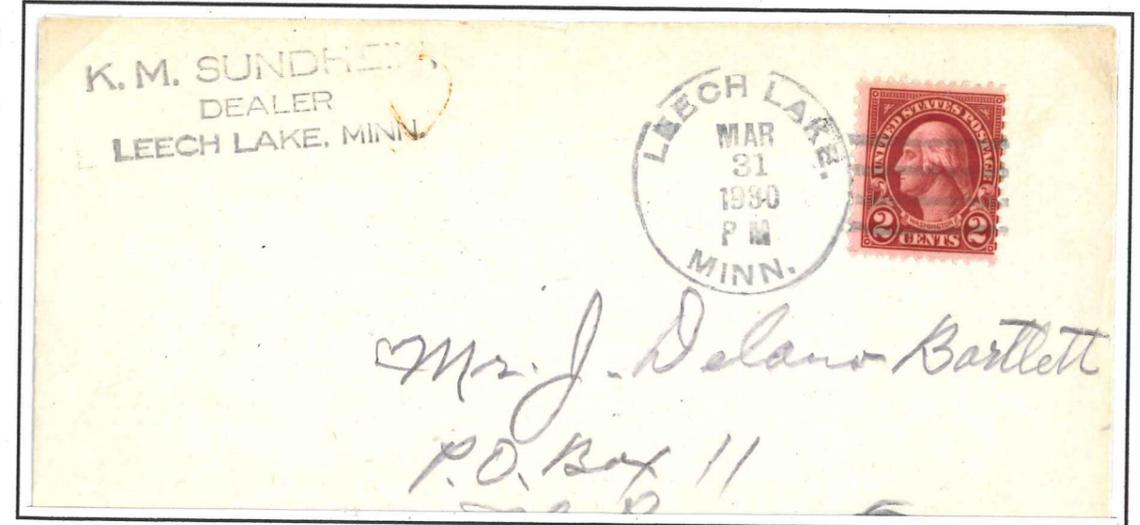


Imperforated pair.



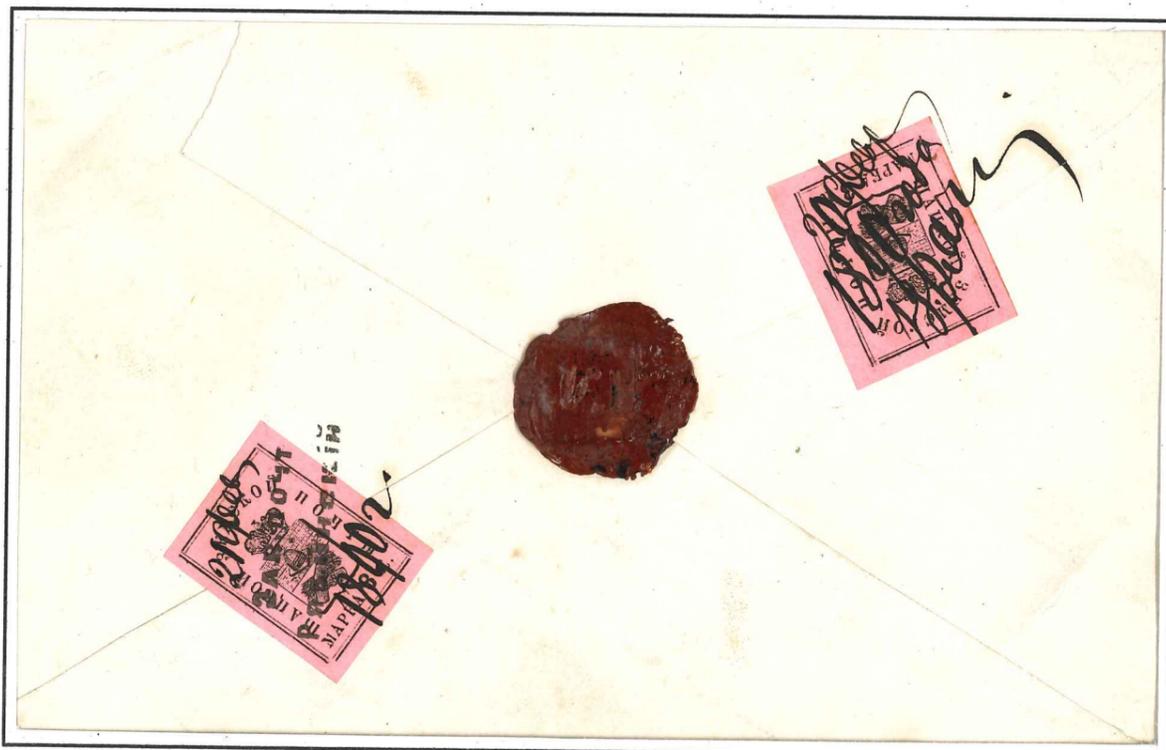
Honey is obtained from the comb of the hive bee, and is used as a sweetening agent, expectorant and relieving cold. The bees' wax is used in some ointments.

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.

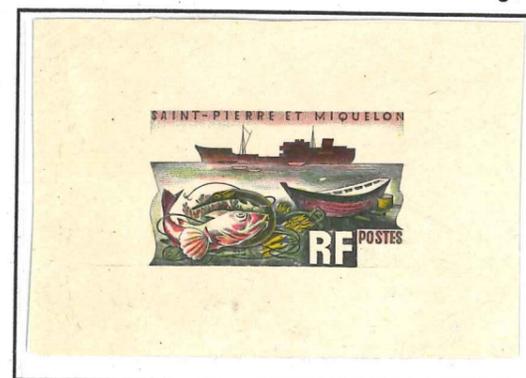


Broussais introduced ...

... 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.

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

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

Stamp sheet from booklet, 1929.

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

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

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".

Sulphur is widely used at some skin diseases.

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

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

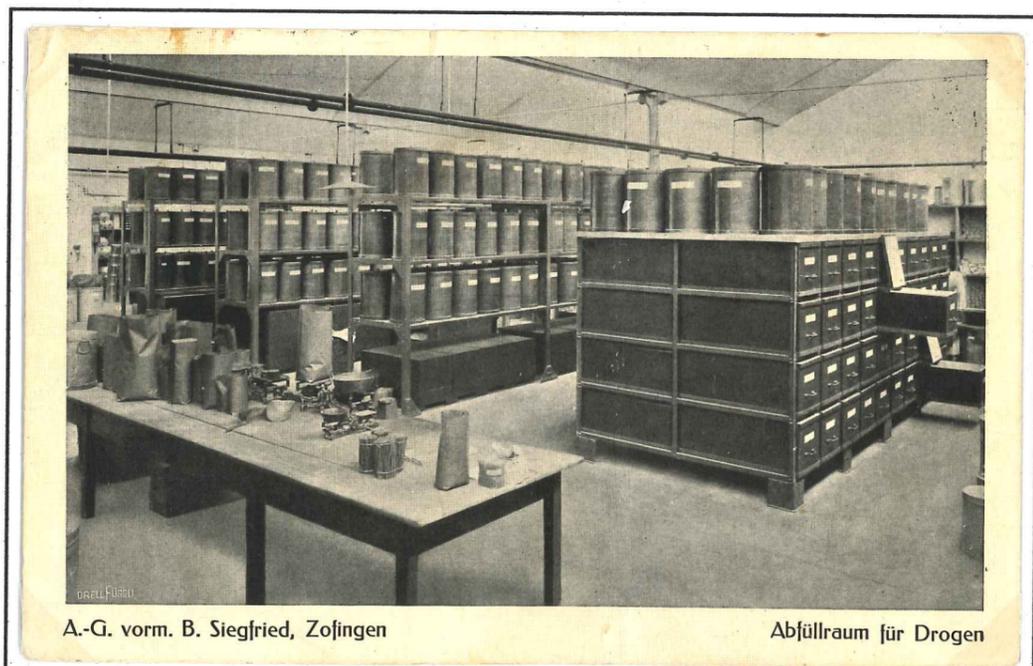
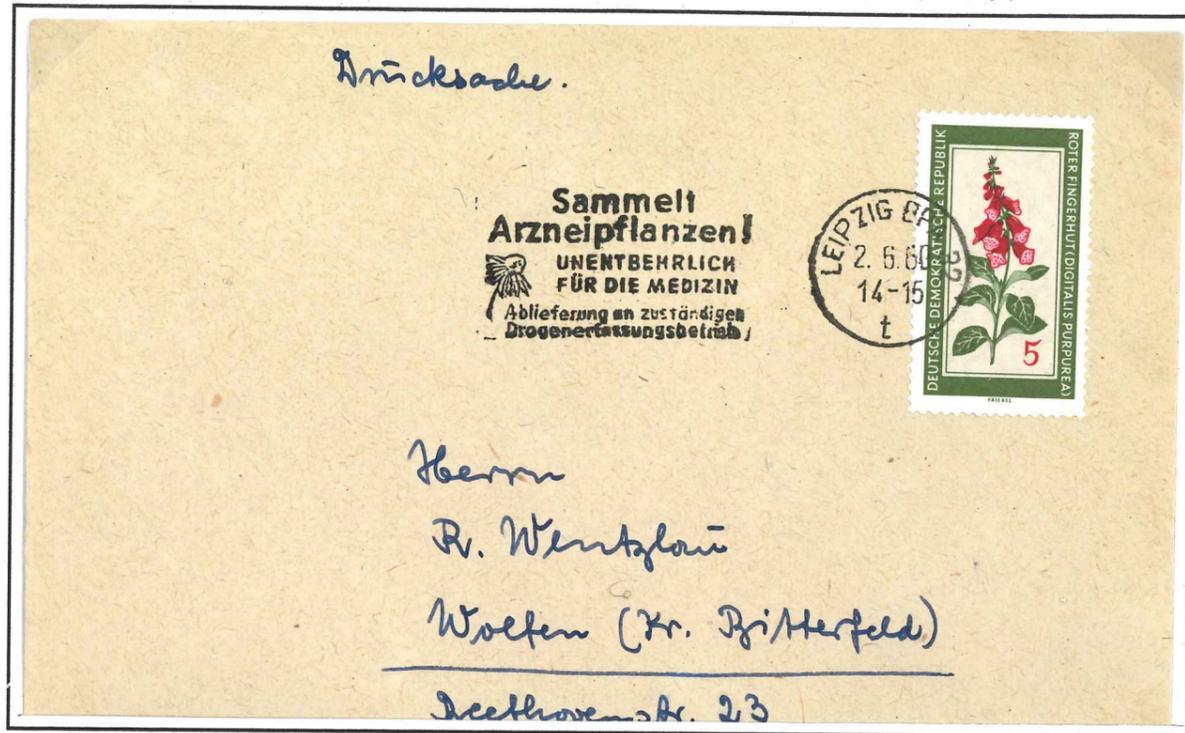


... and use of water, for example from the medicinal springs of Nevis, was reputed to contain numerous minerals of medicinal value. Cures for respiratory diseases, leprosy, burns, rheumatism etc. were claimed.

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.



A.-G. vorm. B. Siegfried, Zofingen

Abfüllraum für Drogen

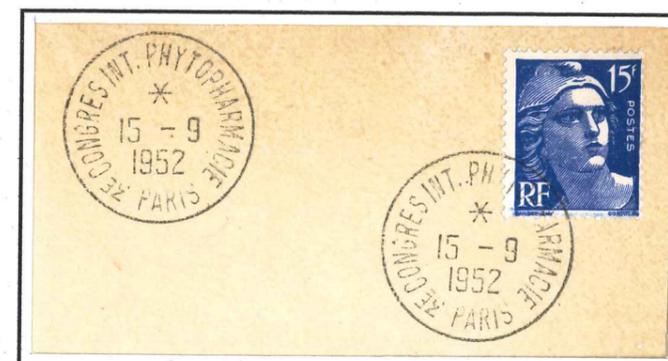
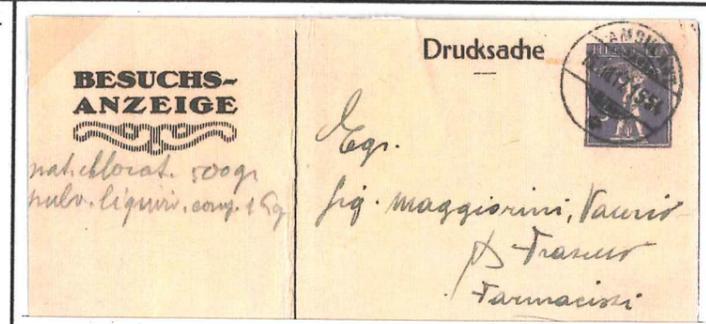
Crude drugs ("drogen") are the dried, unprepared material of plant, animal or mineral origin, used for medicine.

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), ...



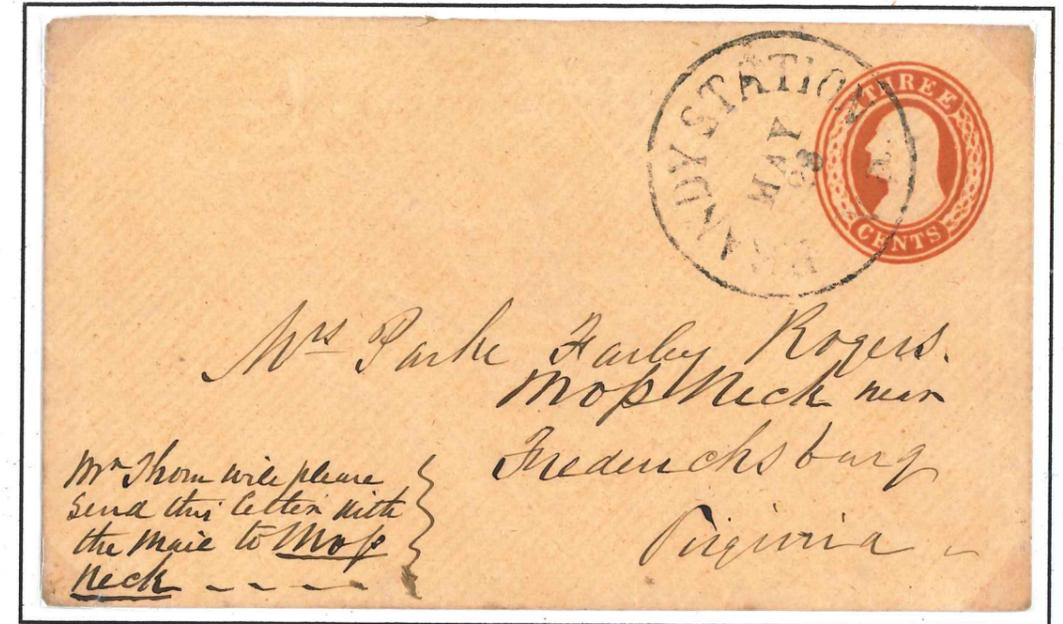
Copy (70 %) of the back.. Additional postage abroad.

Herrn
Anton van der Steen

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



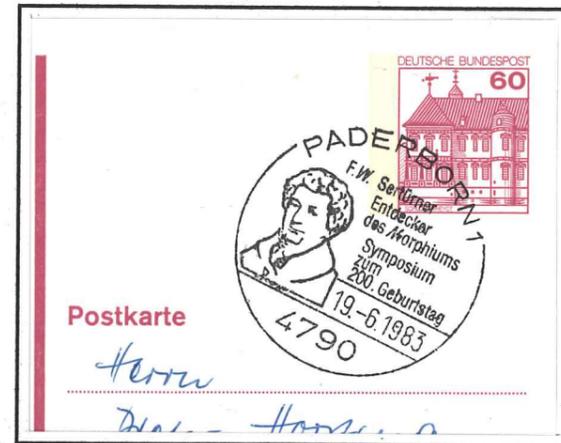
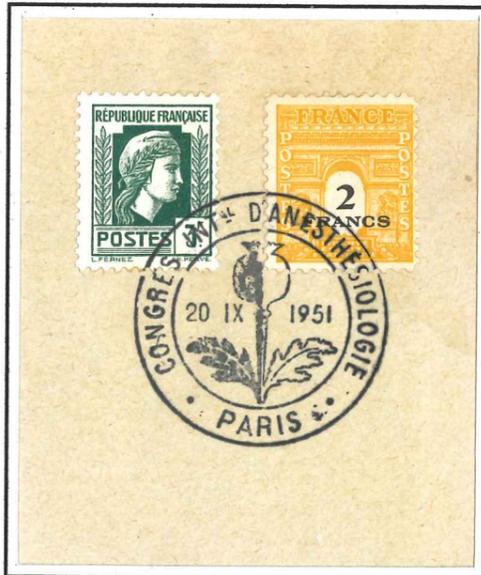
...and warming the herbs on a pan to produce narcotic fumes.



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

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POȘTA ROMÂNĂ

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).

Variant: Extremely wrong perforated and imperforated on the right.



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.



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.

1990 - 2000
10 ani de la înființarea
FACULTĂȚII DE MEDICINĂ CONSTANȚA

AI 20-lea Congres Național de Chirurgie
CONSTANȚA, 24 - 26 MAI 2000

Destinatar TV SATELIT
CP 1

Codul 3h00

Variant: imperforated.

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



de la Condamine in the middle

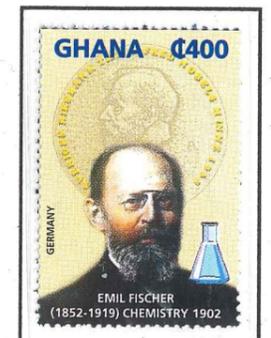
Curare, discovered by Charles Marie de la Condamine, used by Griffith as a muscle relaxants, making the surgeons's work easier.



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, ...



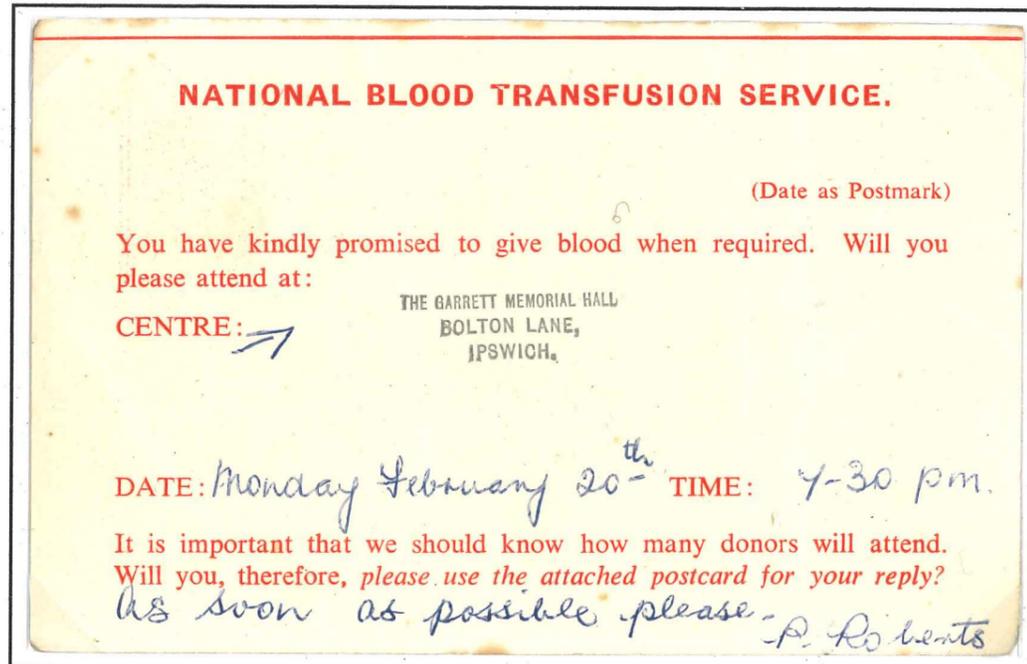
Imperforate proof.
Only about 10 copies exist.



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



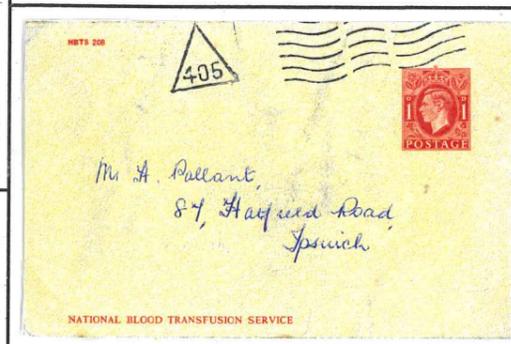
Blood giving by donors ...



Postal stationery (1940)



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



Copy (50%) of the front.



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.

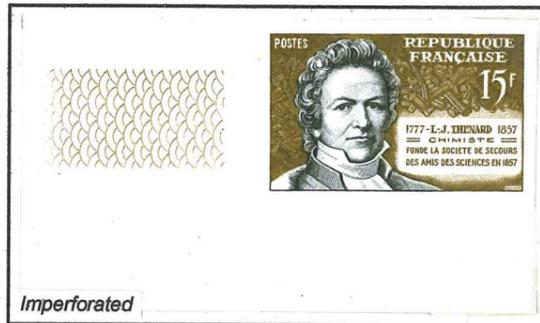
Copy (75%) of the booklets cover.



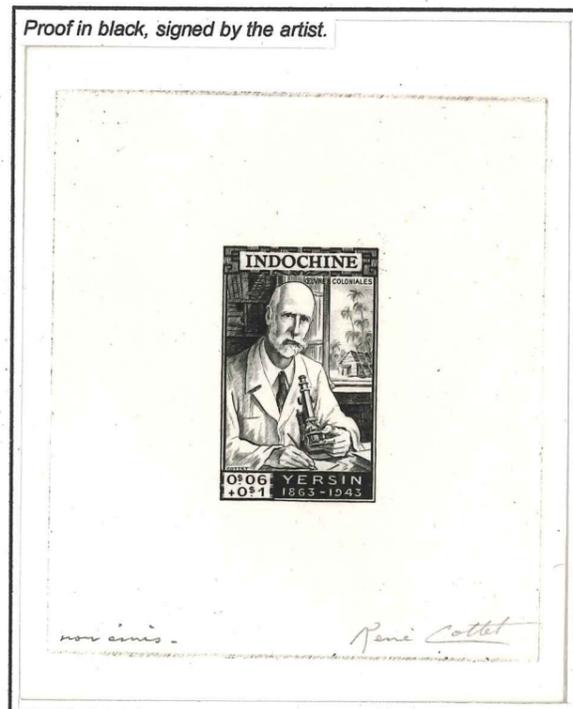
Hydrogen peroxide, discovered by Thenard, a disinfectant in cleansing wounds.

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

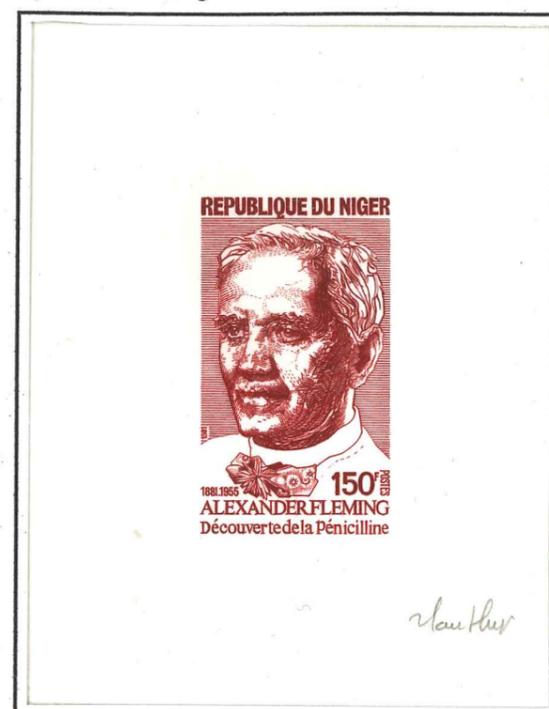
In 1928 Fleming discovered the first antibiotic ...



Imperforated

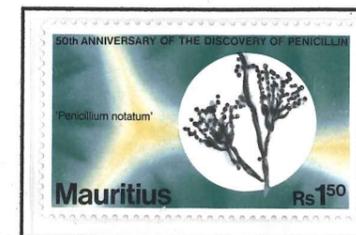


Proof in black, signed by the artist.



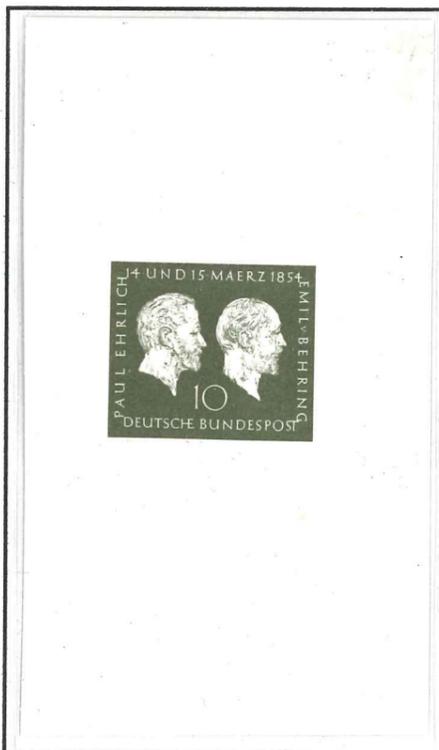
Proof in brick red, signed by the artist.

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

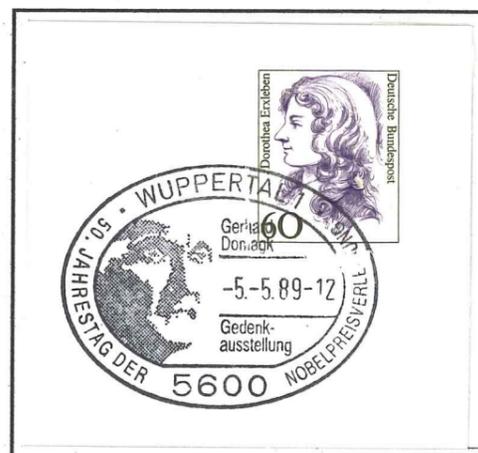


But the mould produced small quantities that it got no practical significance at first.

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

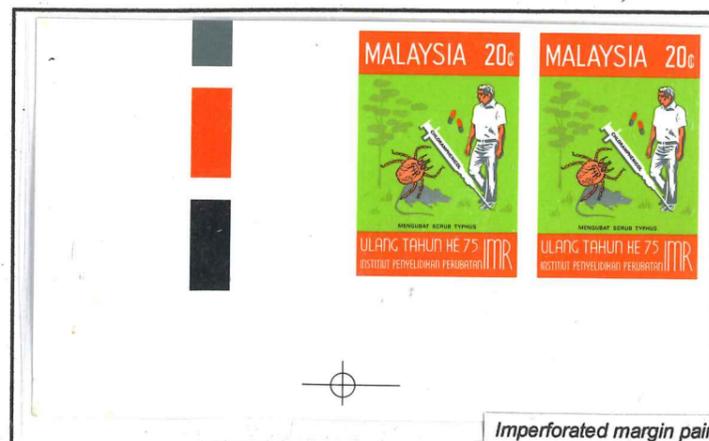


Ehrlich introduced Salvarsan and Neosalvarsan against syphilis, and dyestuff against bacteria ...



... 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.

... mainly in the eye.



Variant: Extremely wrong perforated

Variant: Unsuccessful impression of two stamps.



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.

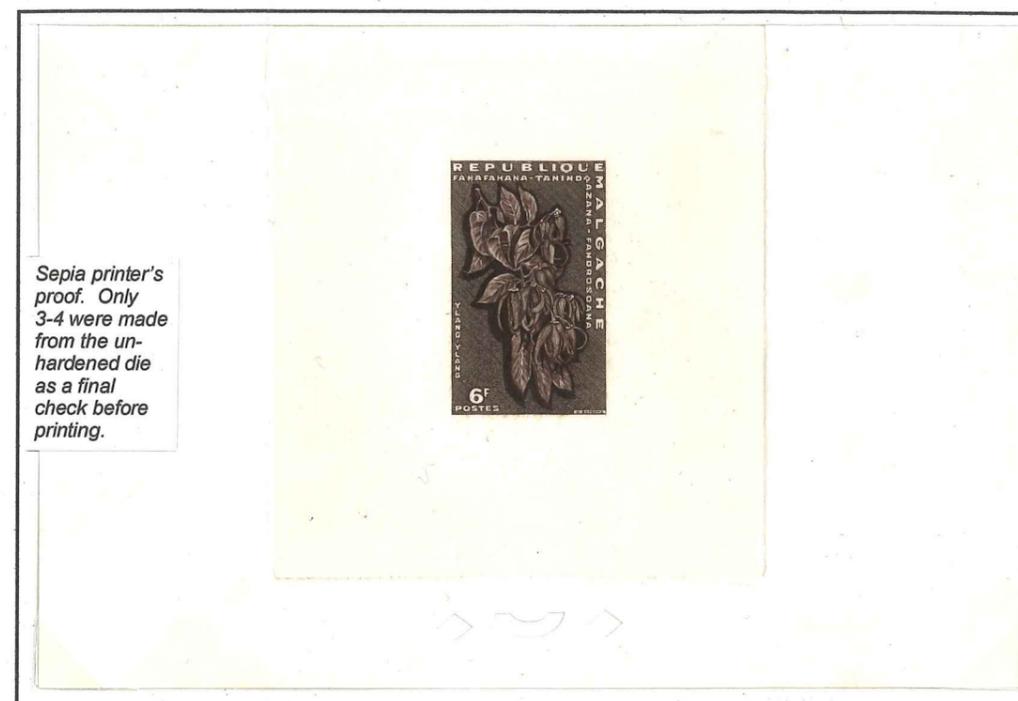


Variety: The mosquito is turned upside down



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)

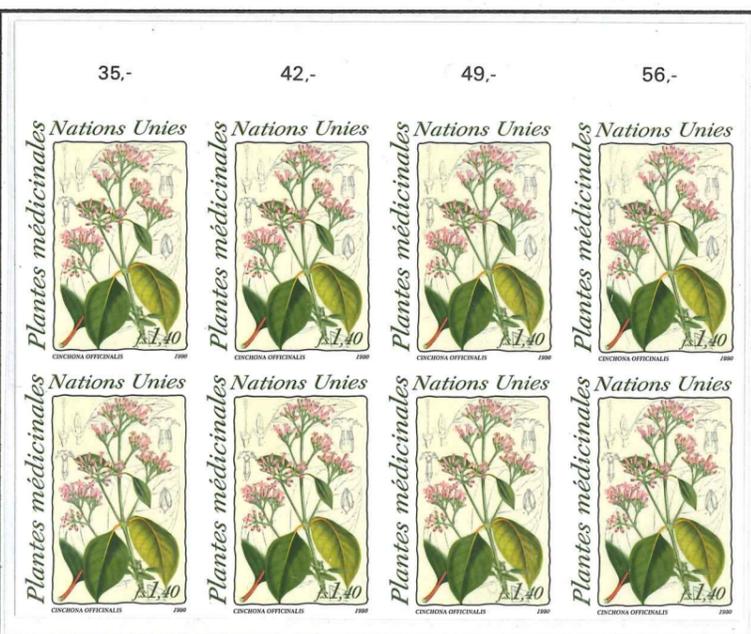
... making it possible to administer constant and correct dosages of quinine.



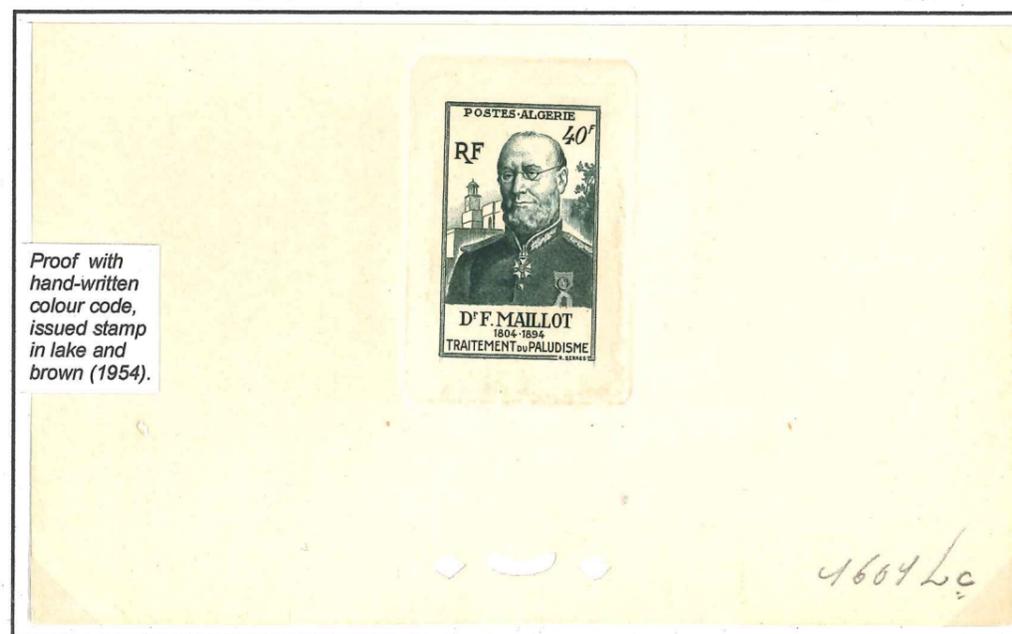
Copy (50 %) of the front



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



Imperforated block of eight. Margin at top.



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,
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.. 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.



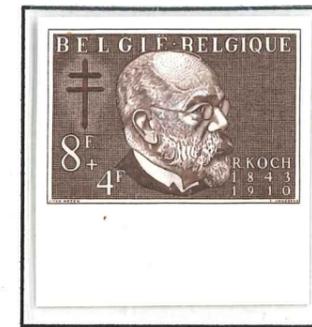
Prior development of drugs, the hope for the sick was Forlanini's artificial "resting lung", ...

... 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.

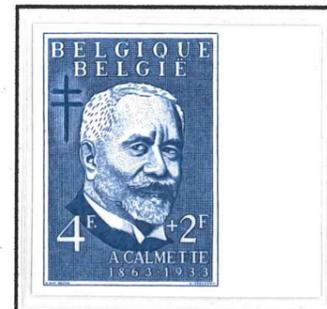
... and high altitude and fresh air.



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



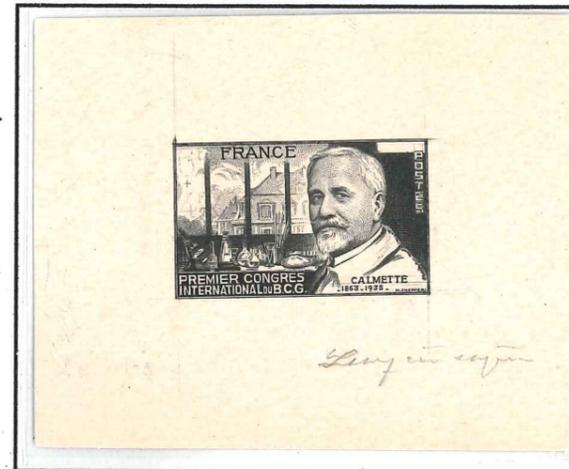
Imperforated proof-prints, 1953, without gum; with control number at the reverse side.



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.



RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY



50th Anniversary of the Discovery of Streptomycin
April 28, 1994



New Brunswick, NJ 08901

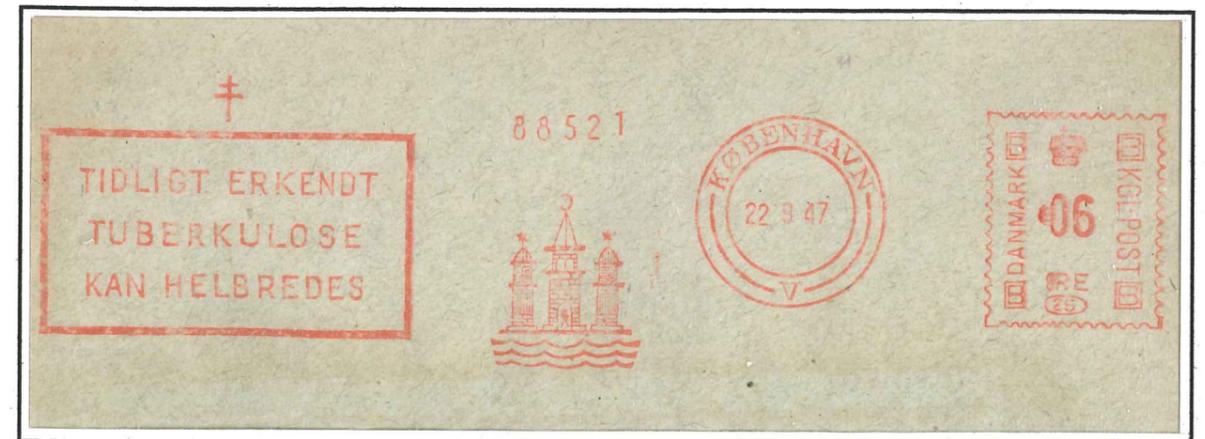
NEW JERSEY AGRICULTURAL EXPERIMENT STATION

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)

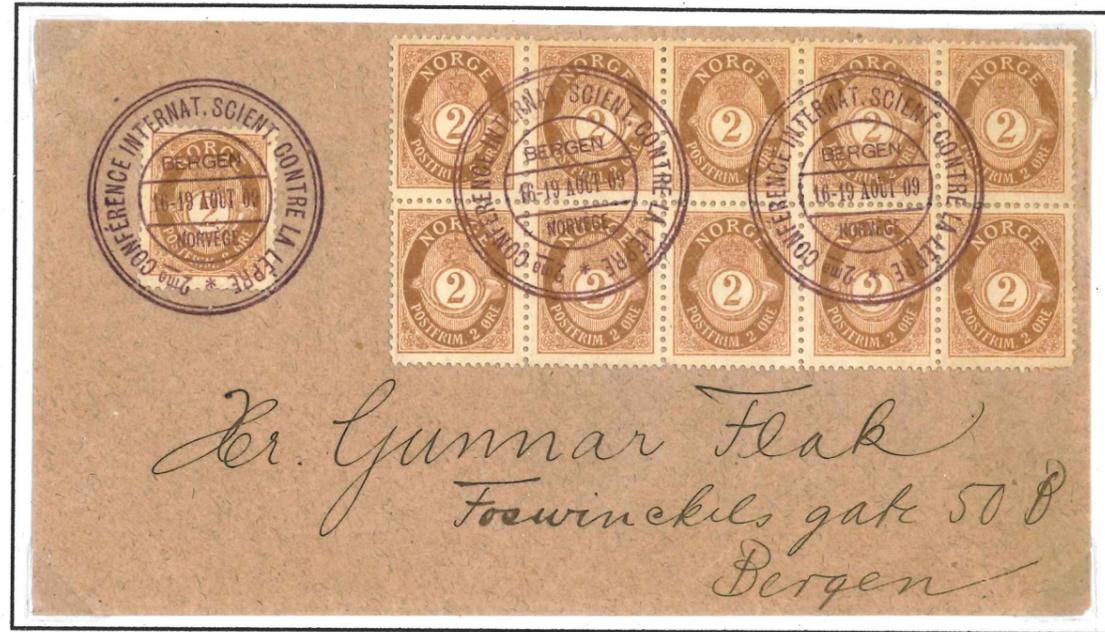


Early diagnosed tuberculosis can be cured (translation from the cancellation).

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

b) ... to fight against Infectious Diseases

... as Leprosy



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



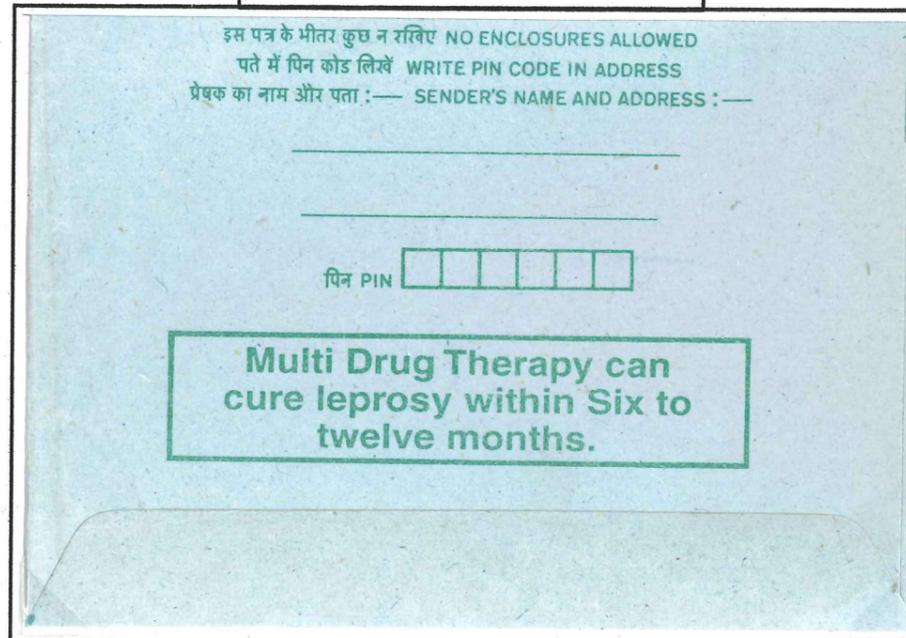
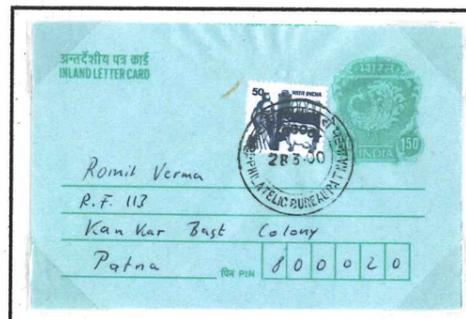
Colour trials to the issued 50p stamp (1973), 5 pairs of different colour on gummed paper.

Variants: Extremely wrong perforated.



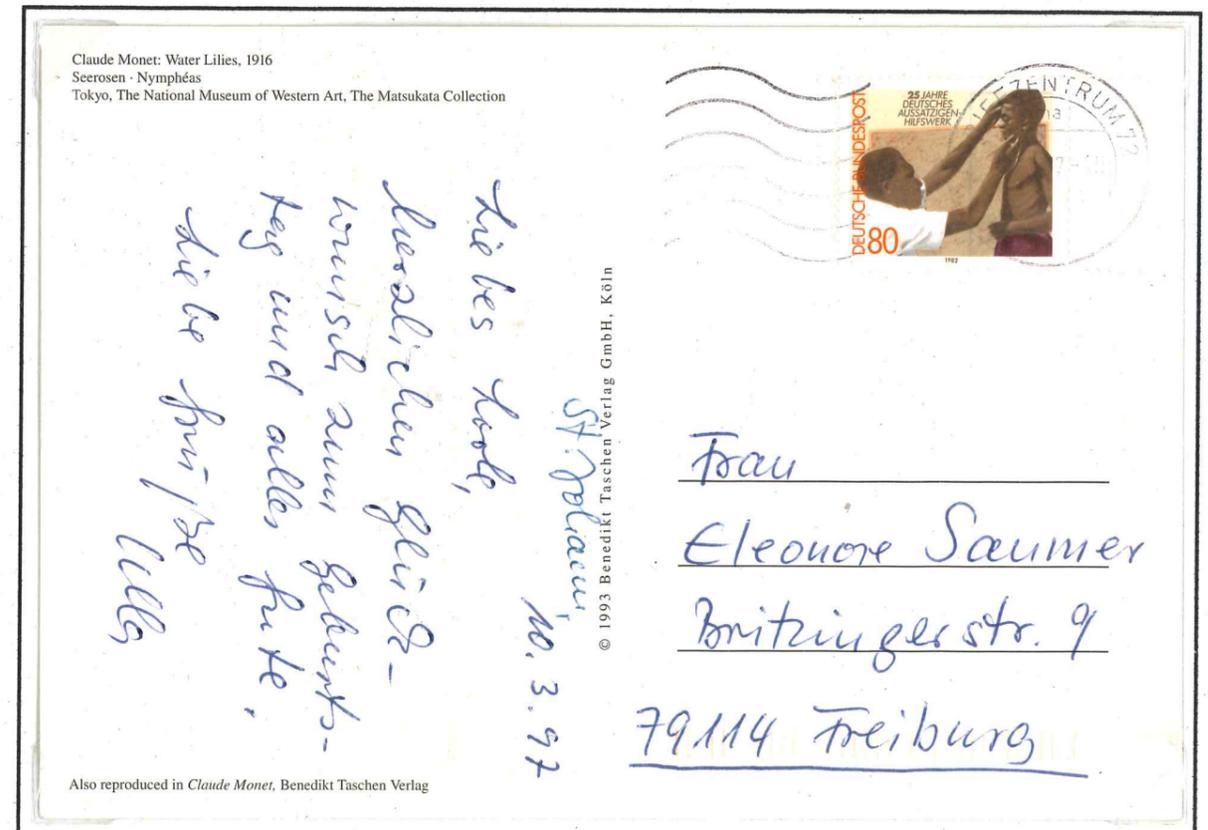
A common pre-modern treatment was chaulmoogra oil, from the plant Hydrocarpus, ...

Copy (50%) of the front.



... 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.

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.



A doctor examining the treatment of a leprosy patient.

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.