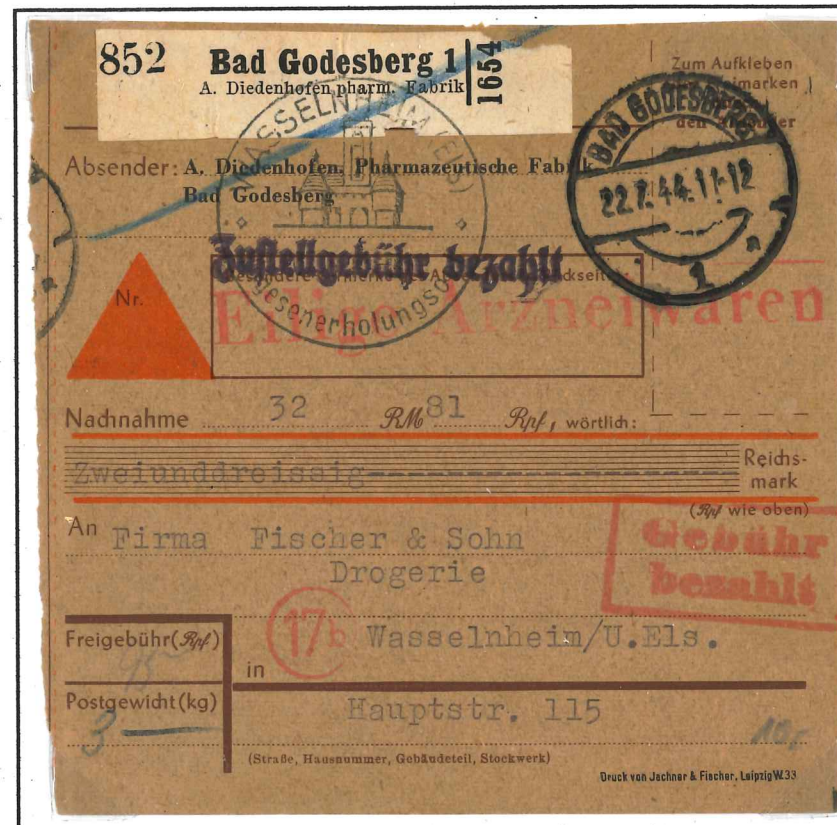


... the pharmaceutical factory produce drugs more economically and with greater assurance of purity and security than in the pharmacy.



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.



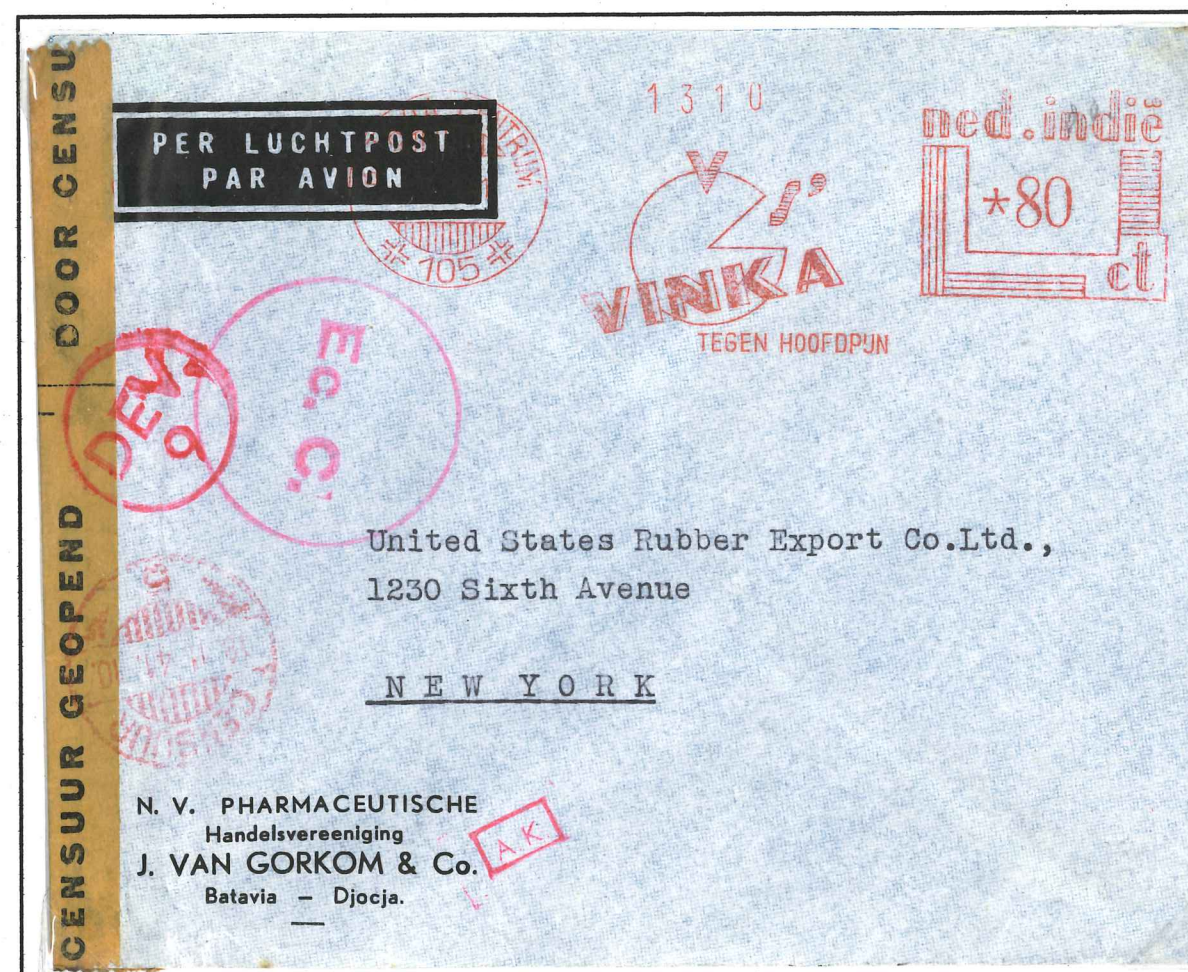
Se-tenant pairs with advertisement stamps, issued by the Danish post office (1933) in stamp-booklets.



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 ...



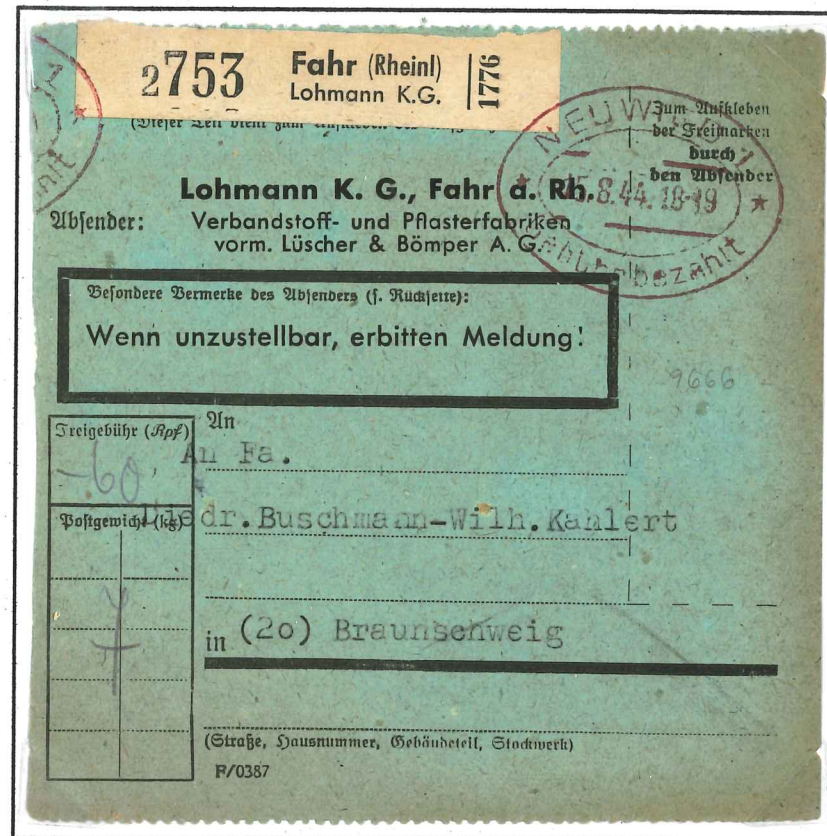
Letter sent from Batavia centrum 17.11.1941, Netherlands Indies, transpacific airmail to New York. With brown censoring strip "Door censuur geopend" and red censoring cancellations (18.11.1941), three weeks before the attack on Pearl Harbour.



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

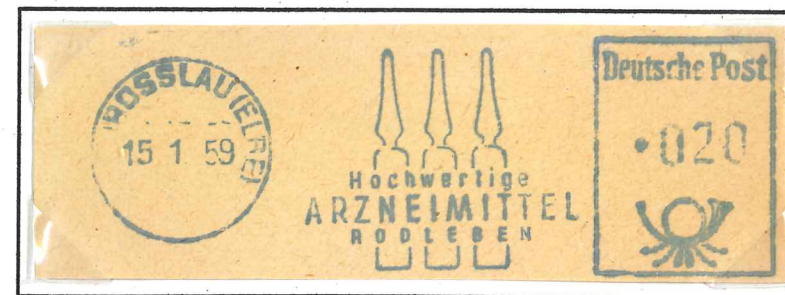


Plaster and dressing materials was also easy to produce on a large scale, as from the firm Lohmann K.G.



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, ...

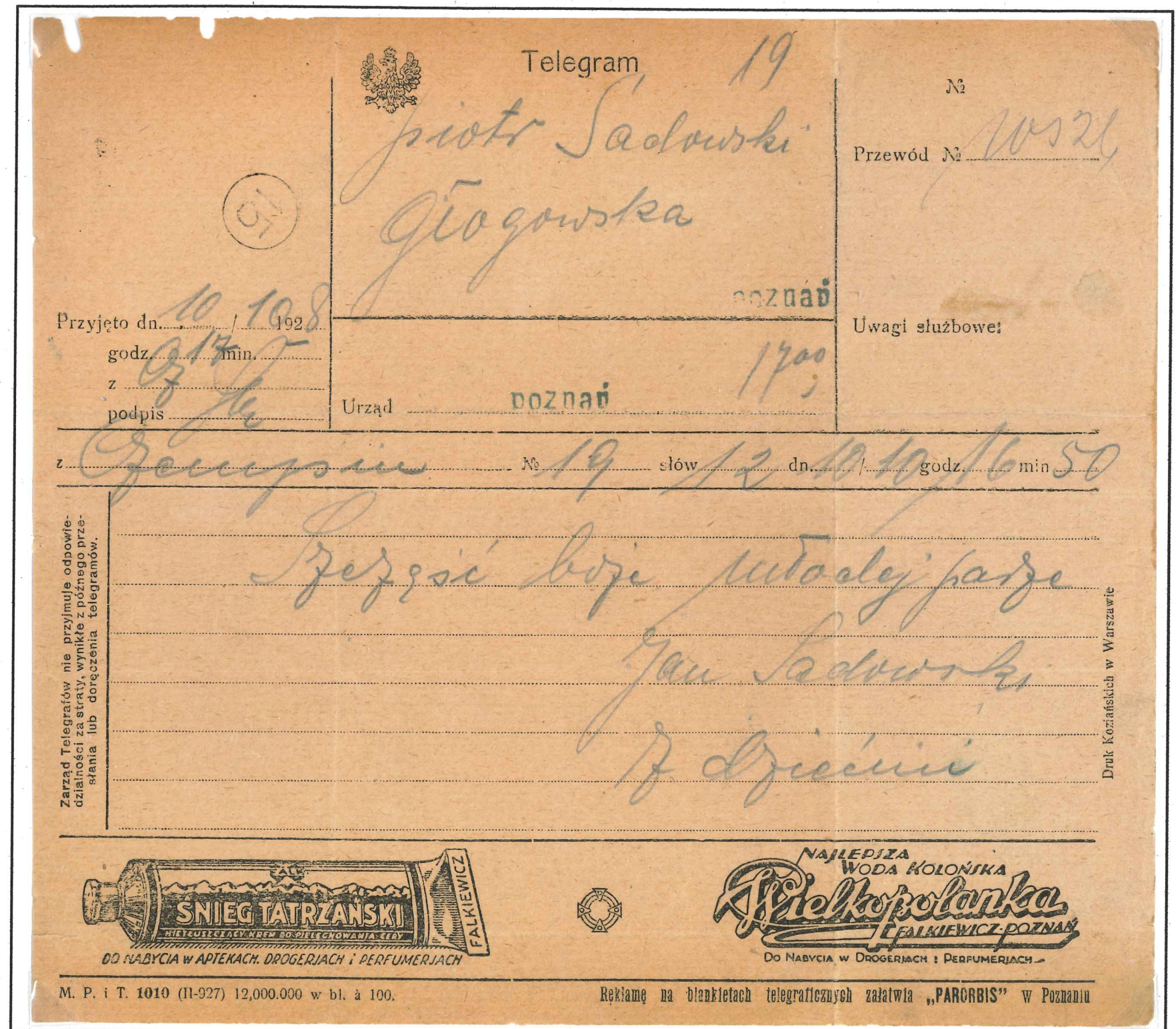


... drugs to be used in the eye ...



... 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.



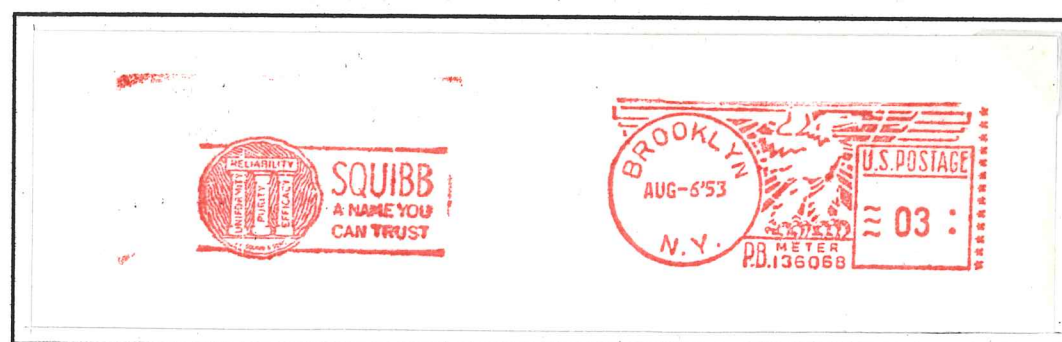
France, 1927, booklet pane of 10 stamps.



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).

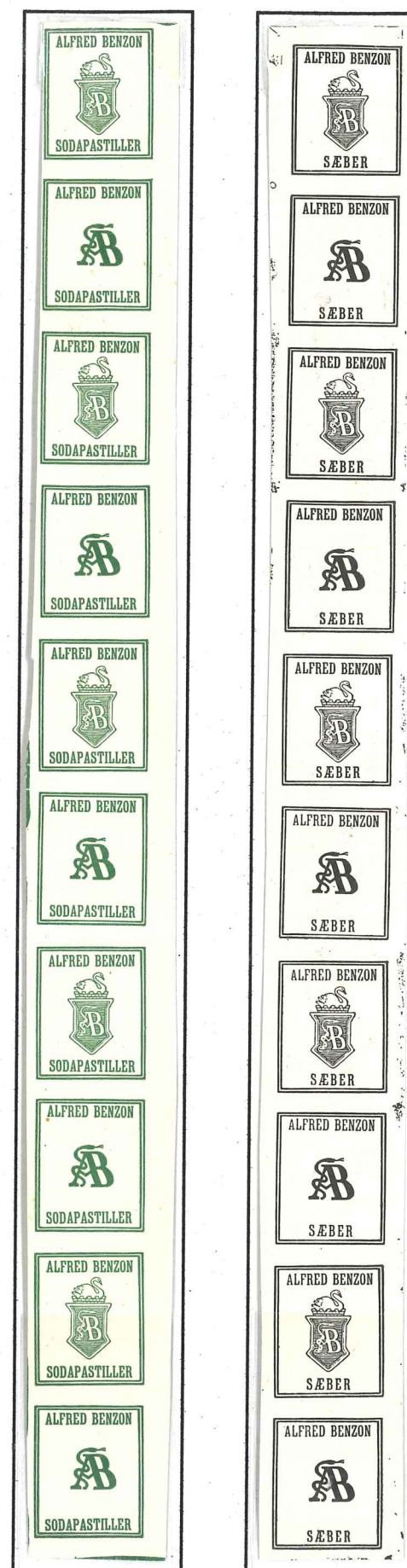


Important companies were also established by doctors, e.g. Edward Squibb founded E.R. Squibb & Sons in New York in 1858.



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

... Alfred Benzon and ...



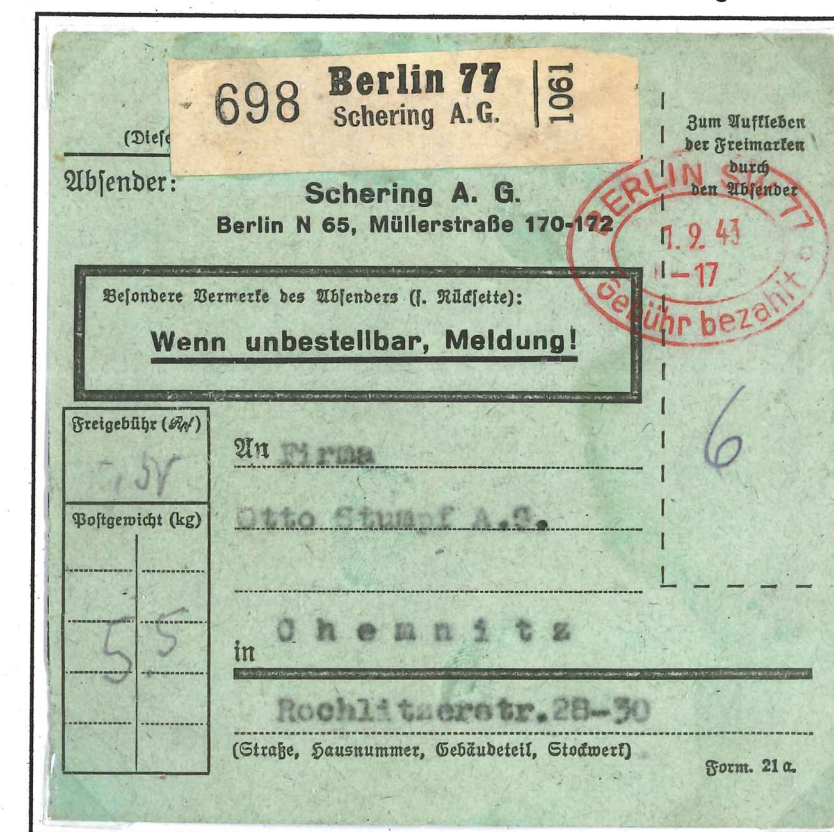
To the left: Trial color proof strips of the advertisement stamps to the 5 øre green stamps. Two vertical strips, "sodapastiller" in green (center stack of plate AB V) and "sæber" in black (right stack of plate AB IV). Each strip with every other motives.

... Gustav Hell.

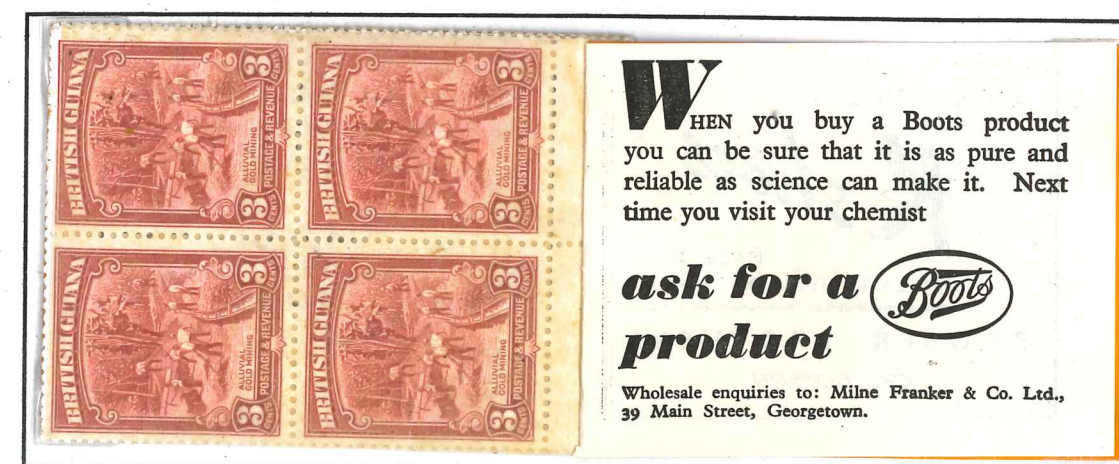


The perforated stamp "GH". The firm of Gustav Hell.

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).



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.



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.

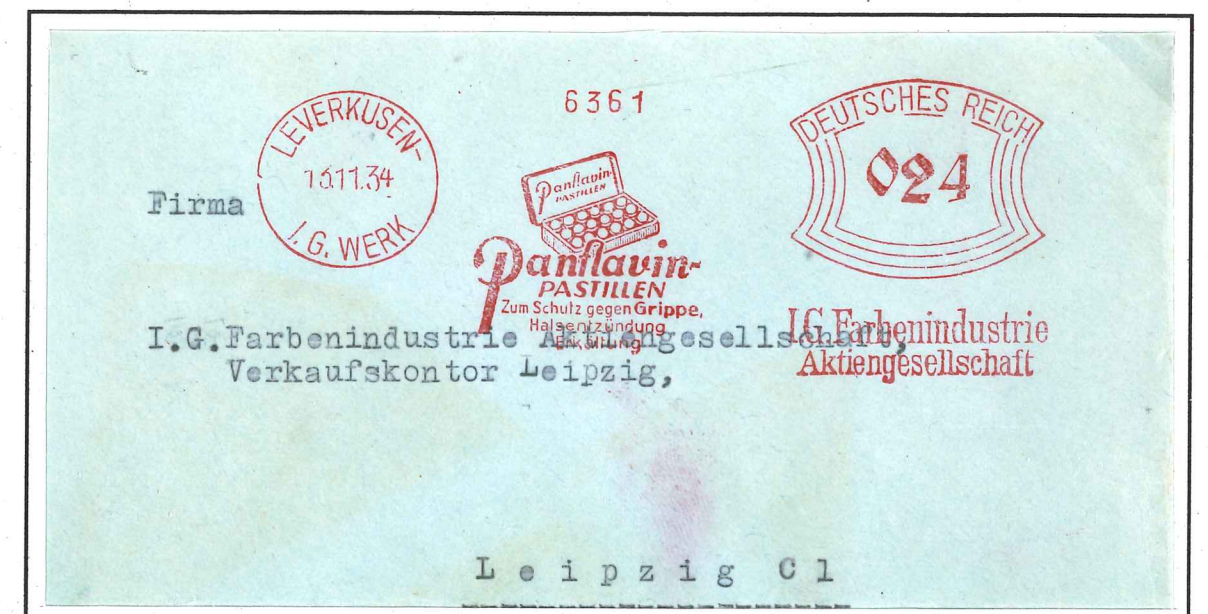


The Bayer scientist Felix Hoffmann succeeds in synthesizing acetylsalicylic acid in 1897, known as Aspirin (1899): the analgesic conquers the world !

Felix Hoffmann



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



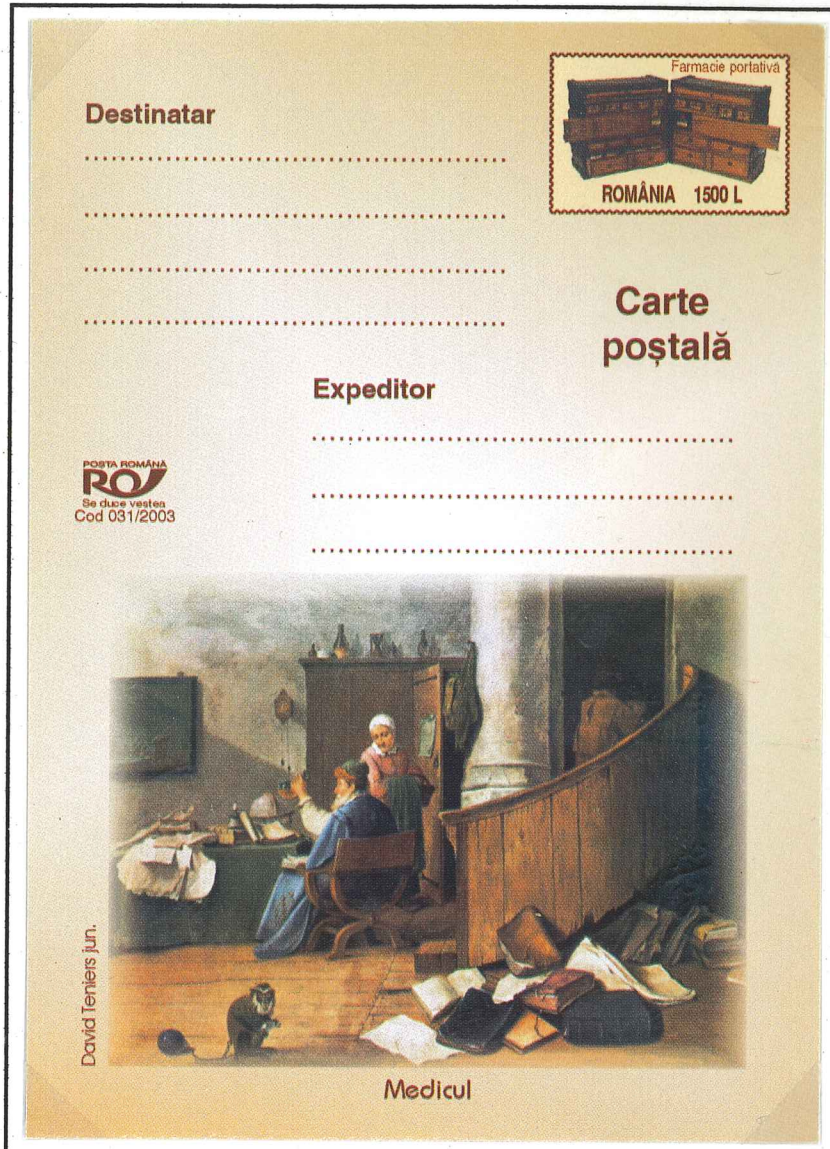
IG Farben, formed in 1925, was the largest chemical company in the world and introduced a lot of drugs. But because of its war crimes, e.g. Zyklon B used in Holocaust, the firm officially liquidated in 1952.







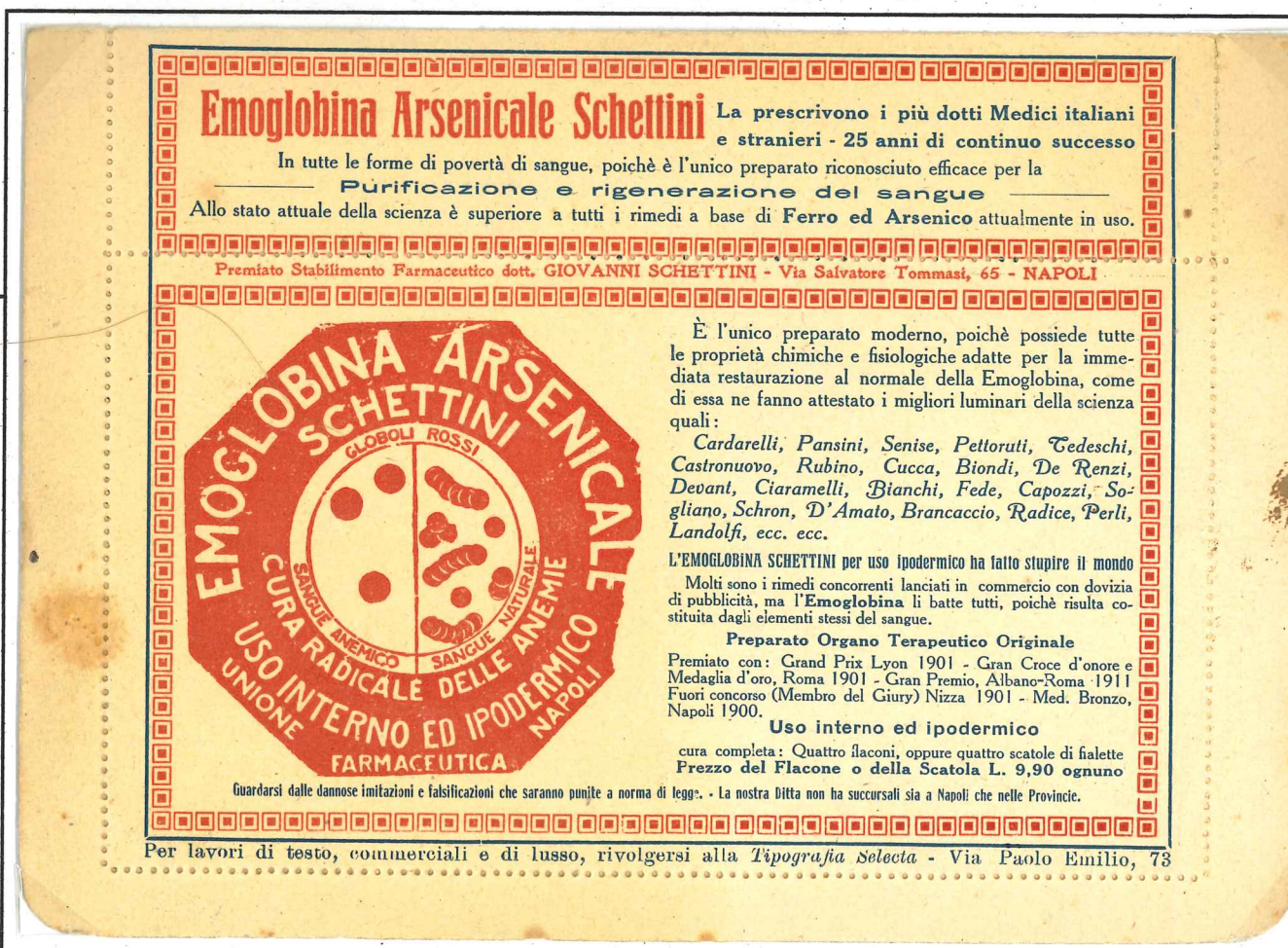
Most of drugs presented problems of both safety and efficacy ...



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



... 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.



... alcohol ...



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

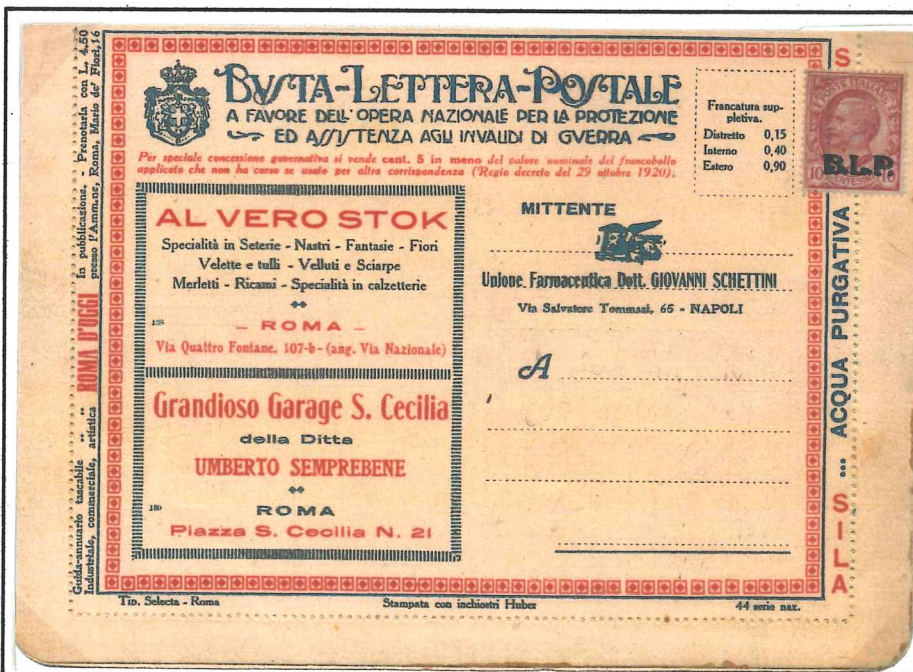
Imperforated upper side



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



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



Copy (70 %) of the front.

Italian B.L.P. postal lettercard, 1923.

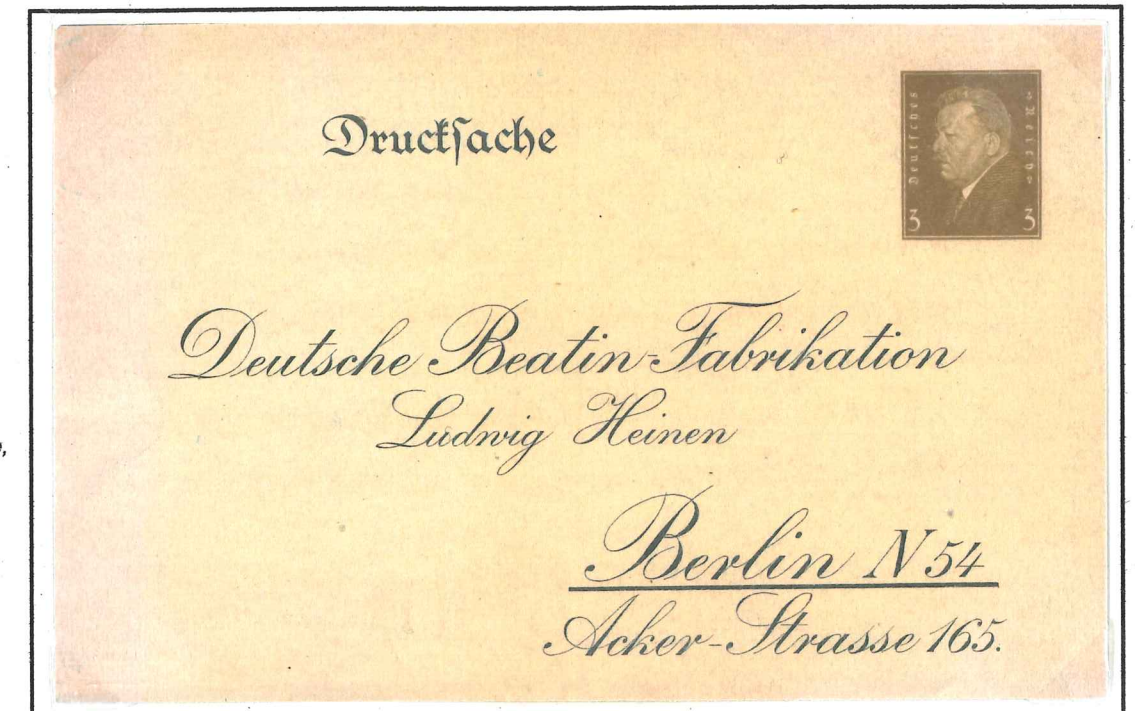




Vertical misperforation



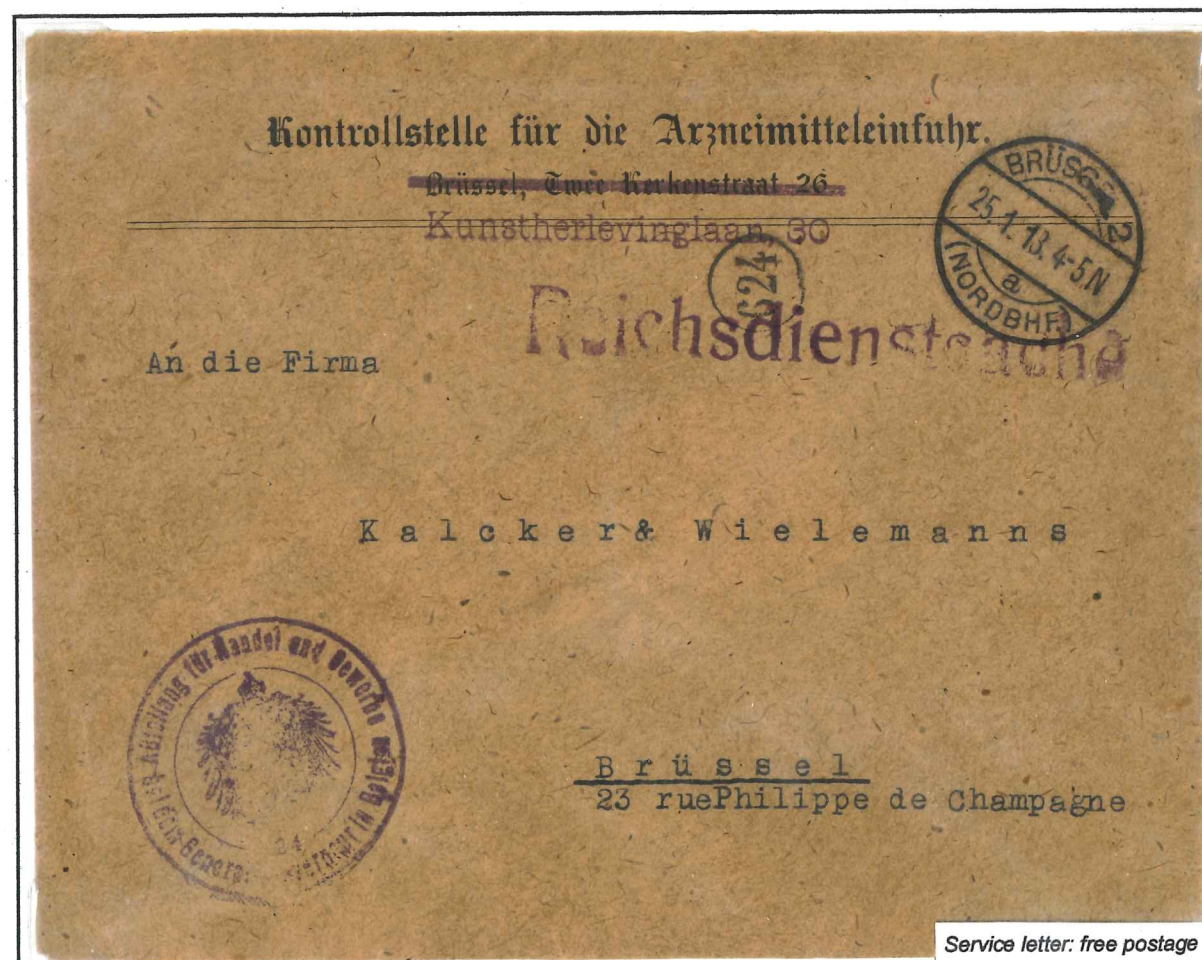
Copy of the front.



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



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.



Service letter: free postage



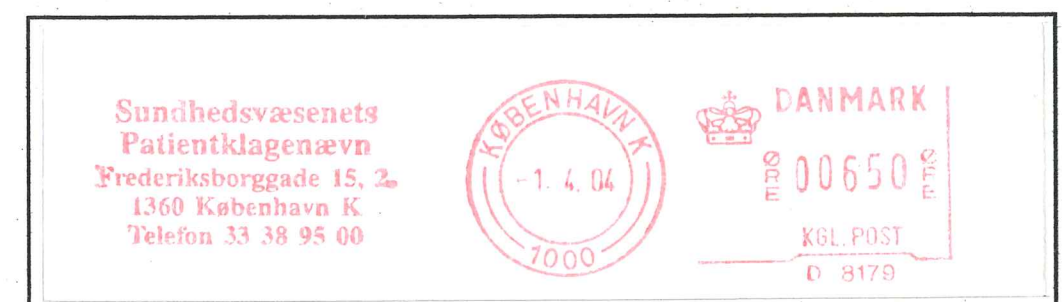
At first the manufactures had to label only strong acting ingredients, like alcohol, morphine, cocaine and chloroform. This illustrated drug, Beatin; contains no such strong acting ingredients, according to the label. Later, a complete listing of all ingredients were required.



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



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".



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。持奖号码刊登在公布日的人民、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。

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# 南京金陵制药厂

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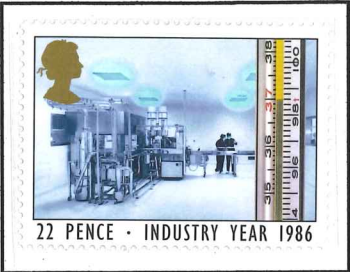
祝您事业成功, 家庭幸福

1996苏(BK)-0011

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





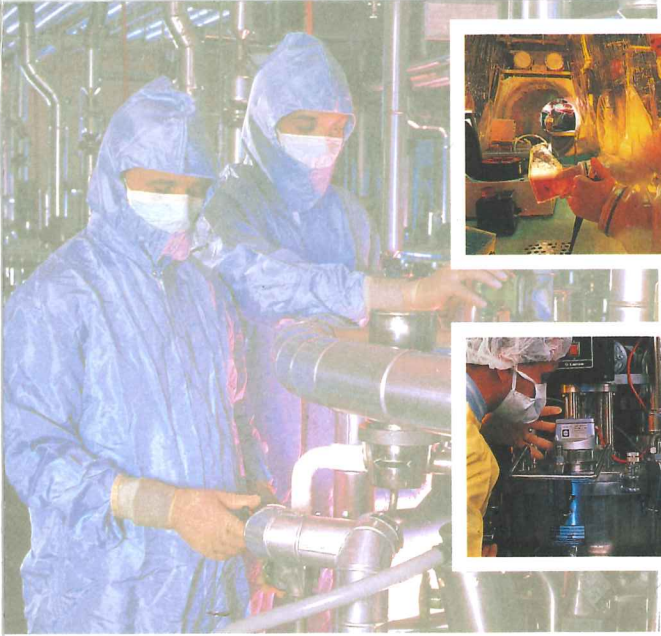
Jinling Pharmaceuticals



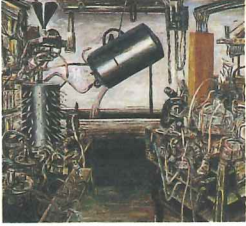
... as the cephalosporin antibiotics at Glaxo ....



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



75th Anniversary of the Commonwealth Serum Laboratories




Australia 43c



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




150L



Dr. Reddy's Laboratories Ltd.  
POȘTA ROMÂNĂ

PRODUSELE NOASTRE pentru  
SĂNĂTATEA DUMNEAVOASTRĂ



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Destinatar \_\_\_\_\_

Strada \_\_\_\_\_ Nr. \_\_\_\_\_

Blocul \_\_\_\_\_ Scara \_\_\_\_\_ Etajul \_\_\_\_\_ Apart. \_\_\_\_\_

Sectorul \_\_\_\_\_ Județul \_\_\_\_\_

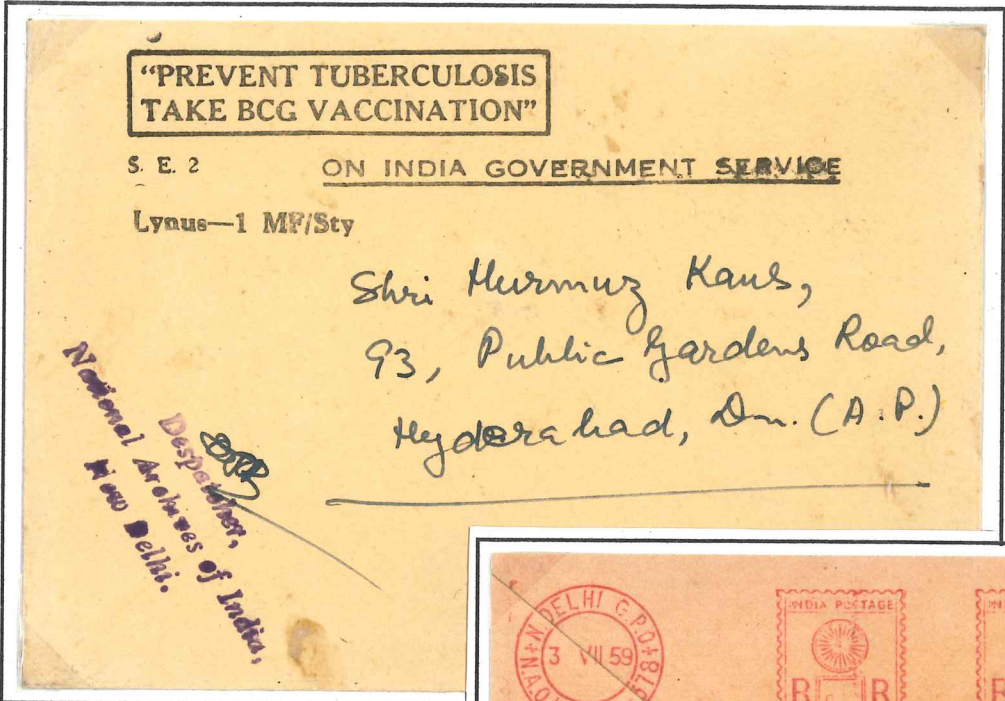
Codul	Localitatea
-------	-------------

The pharmaceutical industry became the dominating supplier of drugs.



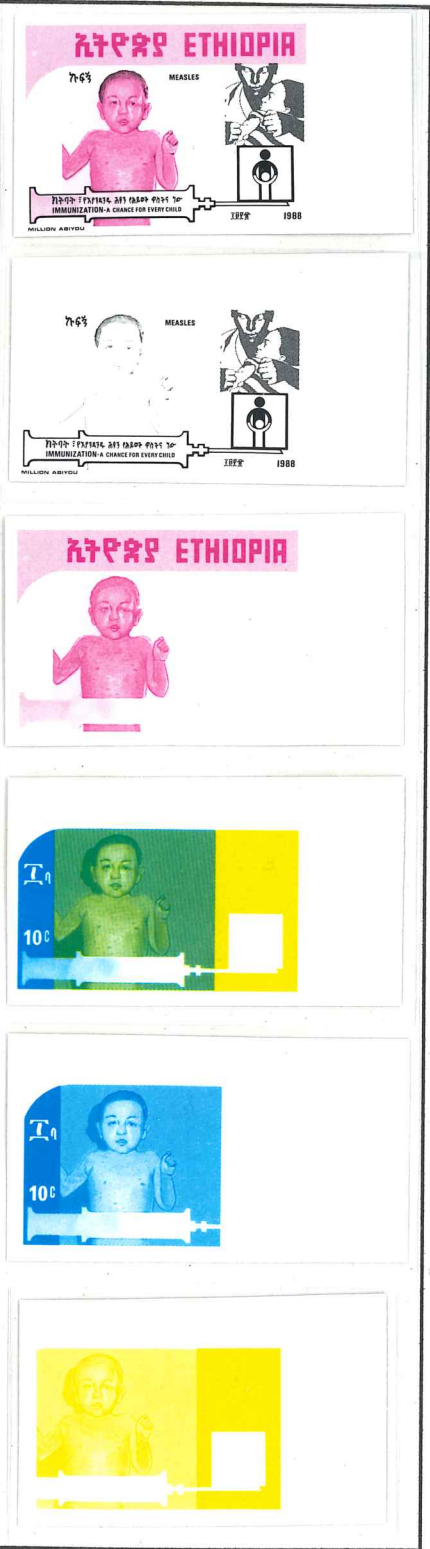
Vaccination became so important to improve the public health, ...

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



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

Copy (80 %) of the back.



Progressive proofs of issued stamp (1988).



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



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

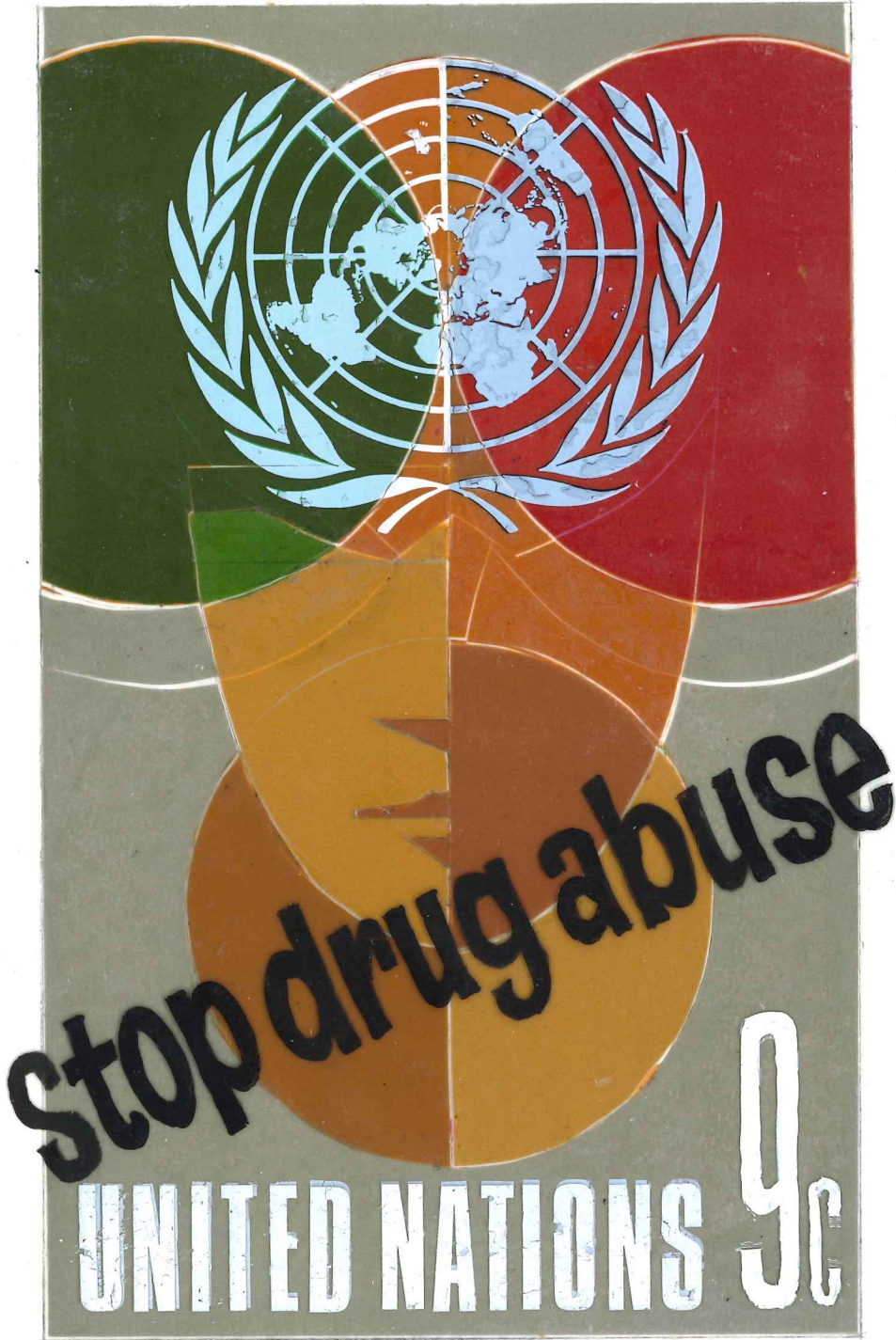


... was often started up by national authorities, and are still mainly produced by public companies, e.g. "Statens seruminstitut", on account of the preventive health care.

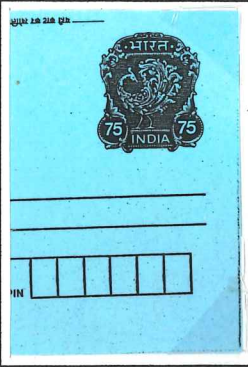
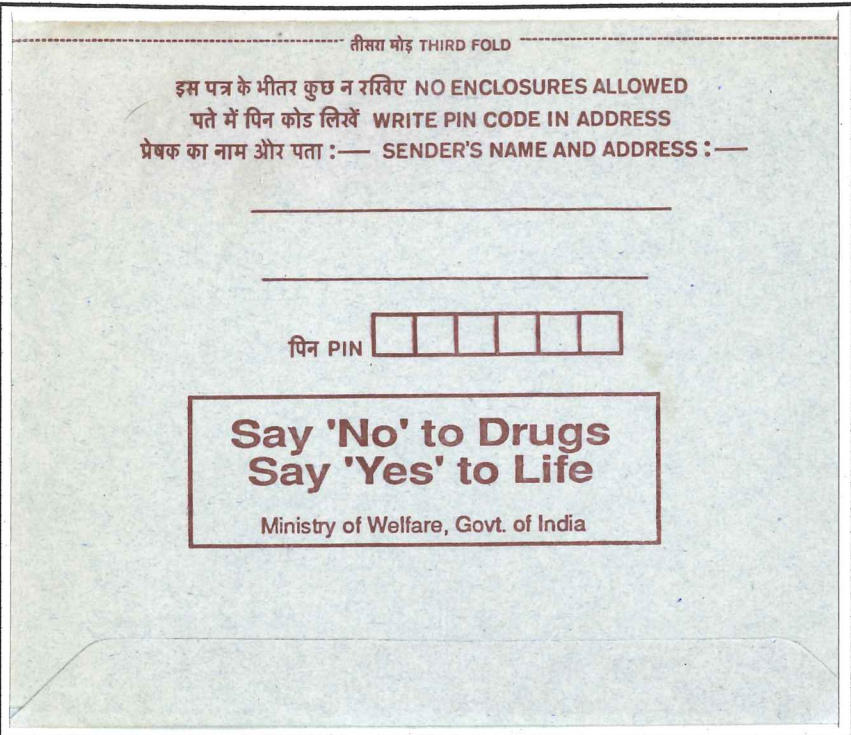


... because of Side Effects

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



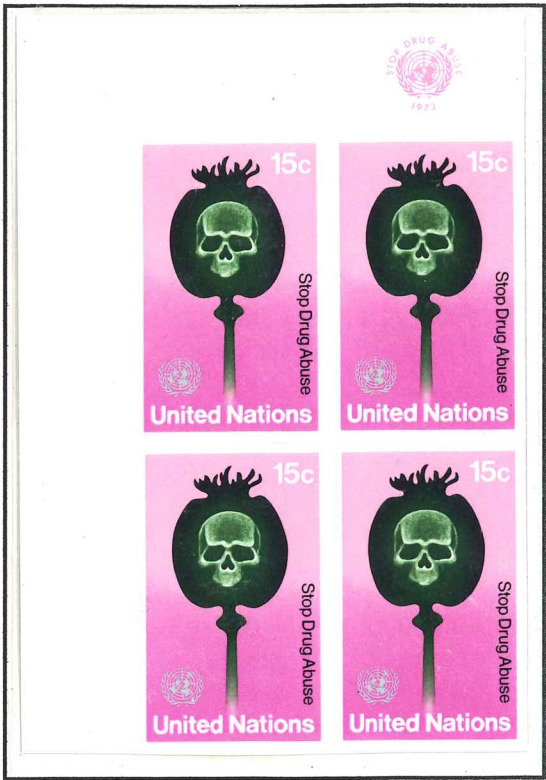
Original artwork, unaccepted design for United Nations stamp. Acetate overlay of printing over watercolor of mask of face in brown and partial red, green and brown circles painted on heavy cardboard, signed on the back by the artist. Dimensions are 22 x 25 cm.



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).

Drugs can give serious poisoning:



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

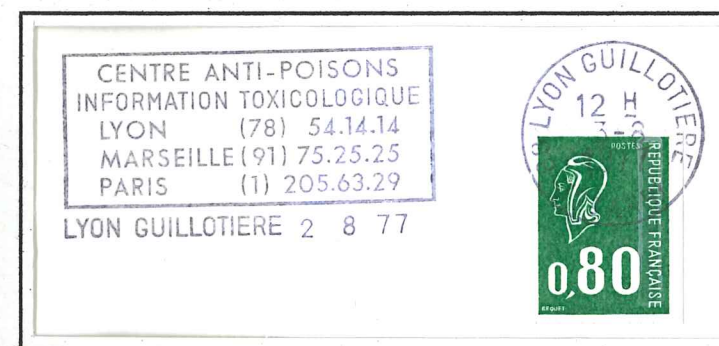


And strychnine (from the plant), used in stimulating tonics, but fatal in larger dose. Now forbidden.

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



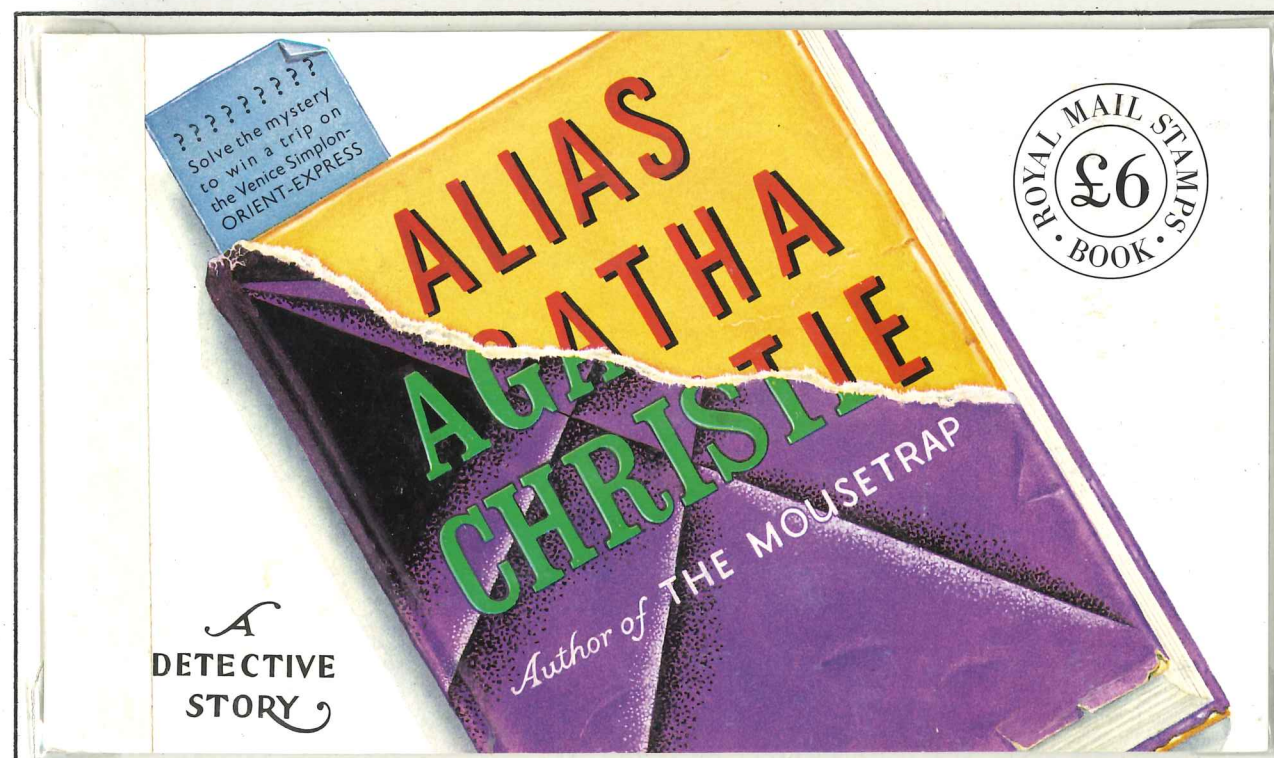
These centers gives useful information about drug poisons and treatment.



Attempts to decrease the risks of drug poisonings.



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



Drugs may also be an Instrument of Power



Lin Ze Xu

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

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 ...



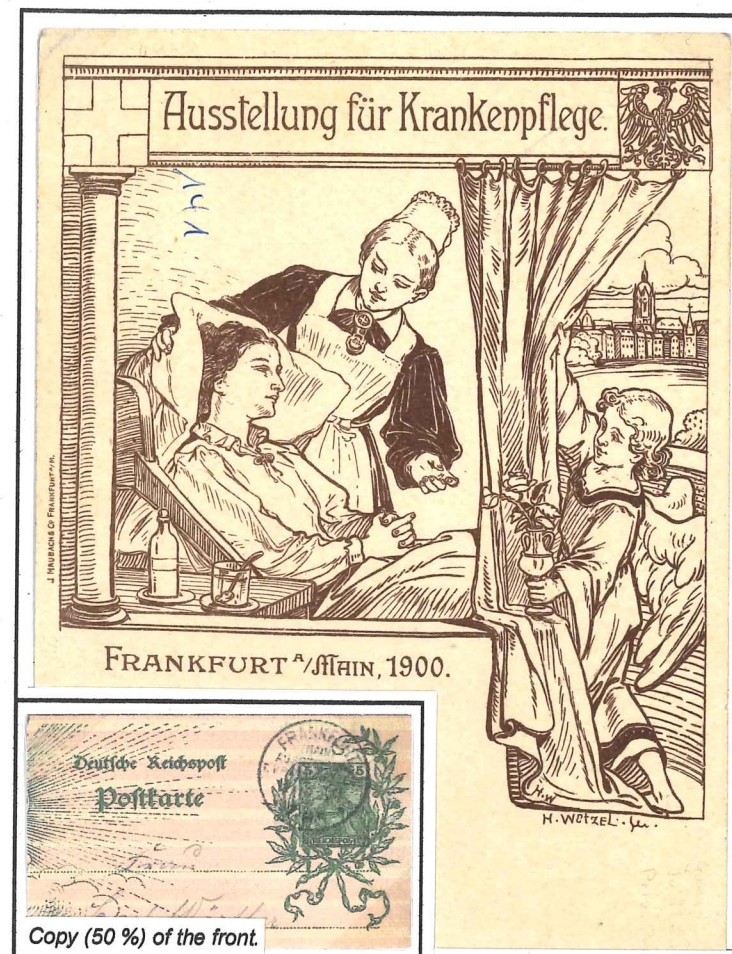
"Burning of seized opium in Humen".



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.



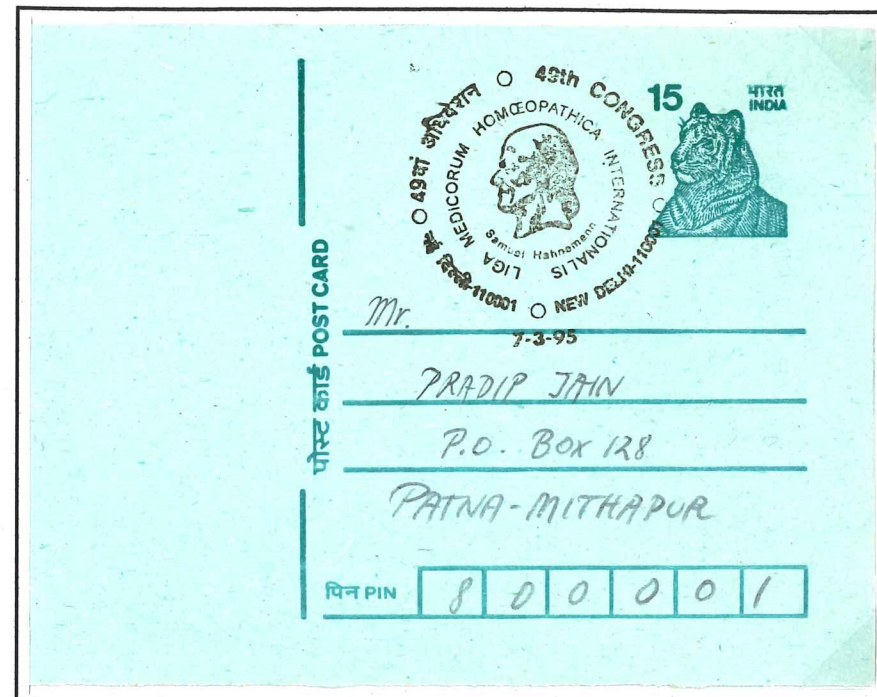
After medical examination ...



... 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).

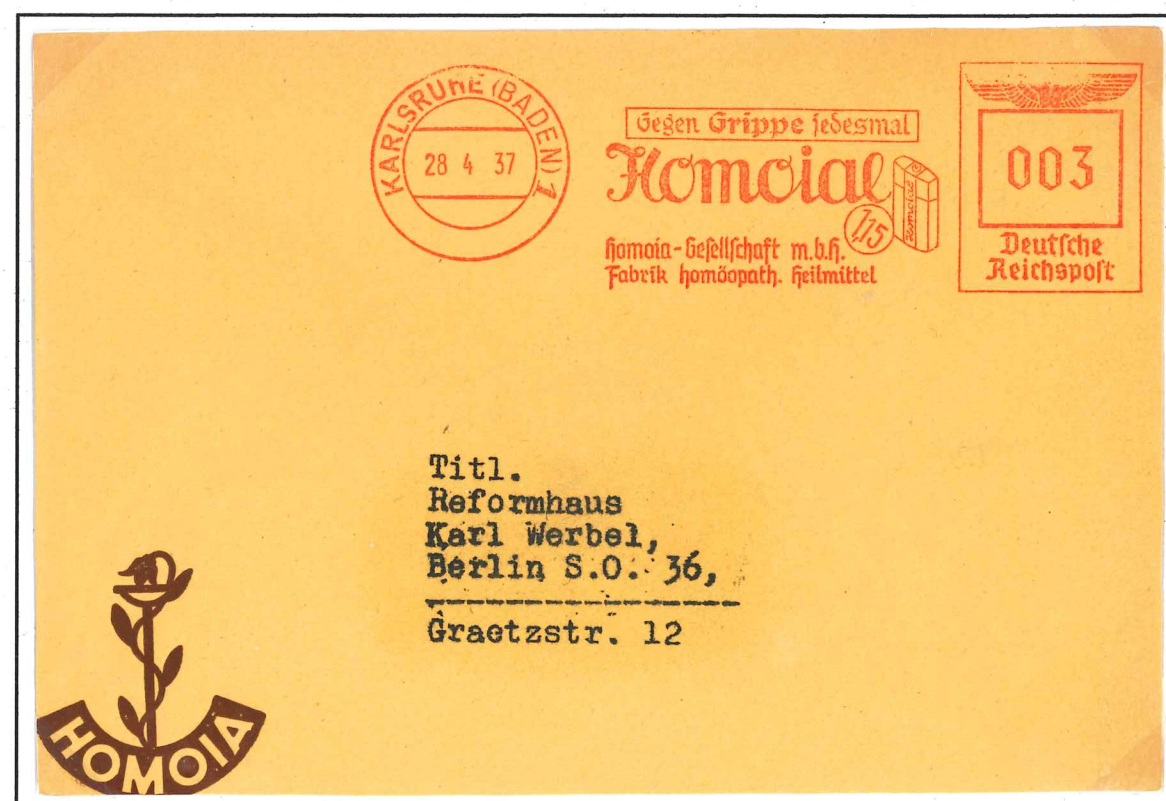
Wrong cut in the sheet and wrong perforated in the vertical margin.



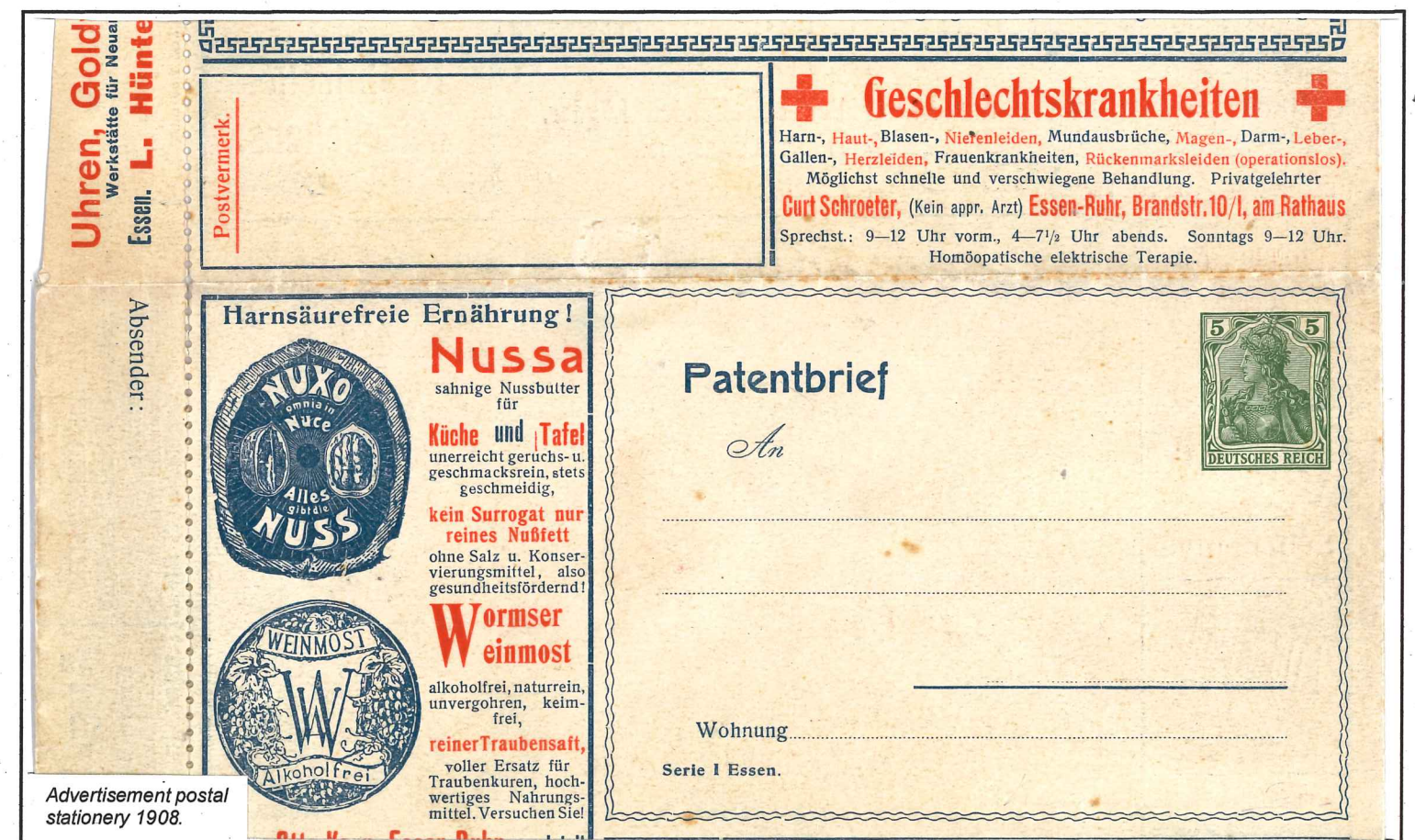
Hahnemann introduced the concept: "Similia similibus curentur" - like cured by like.



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

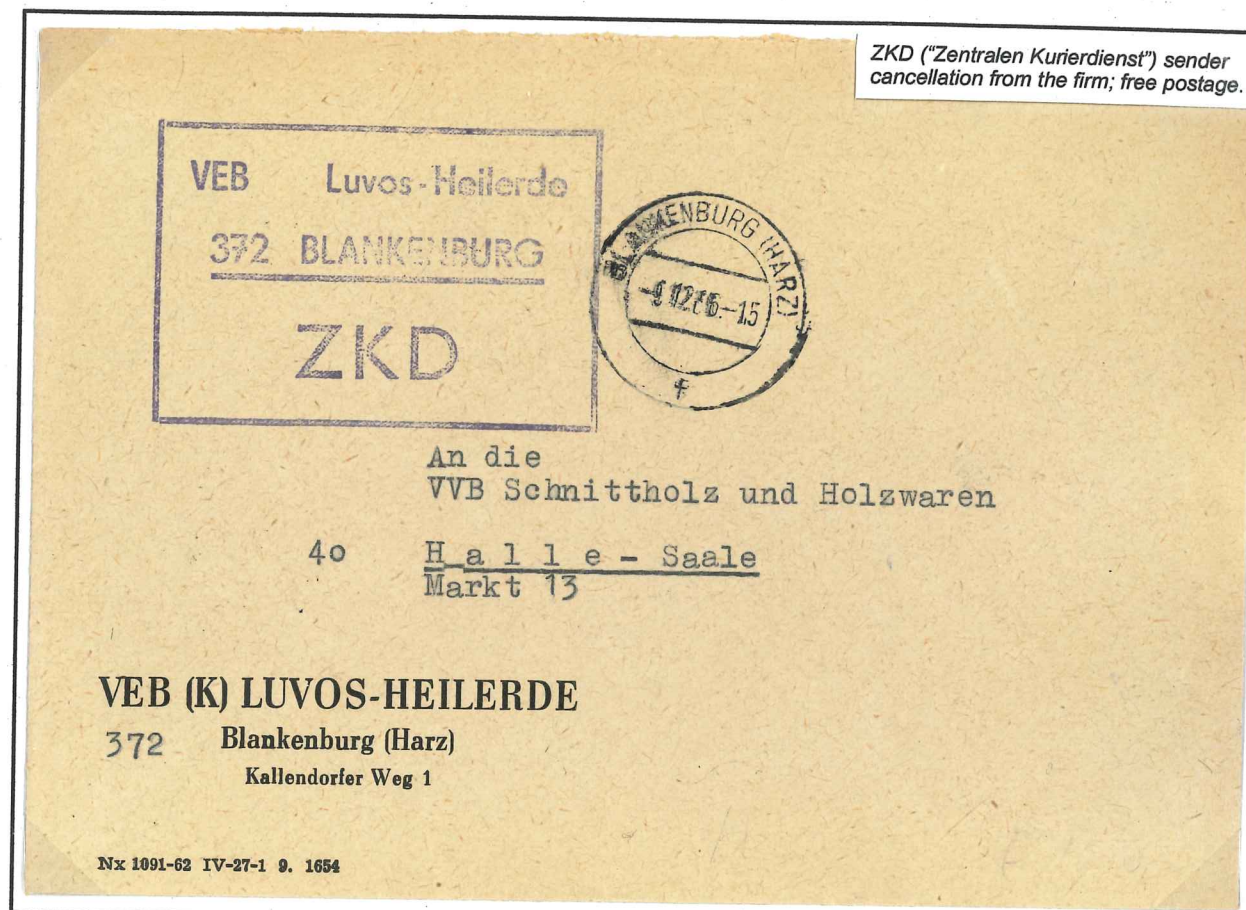


... and homeopathic factories producing the drugs were established.

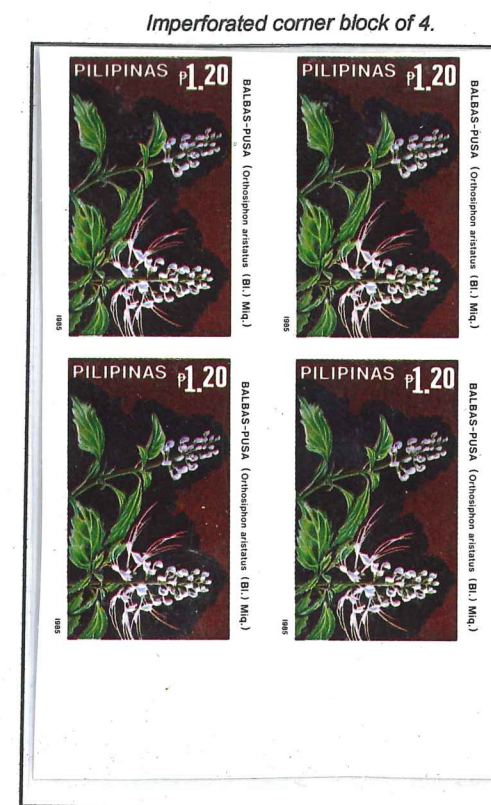


The homeopathic therapy became widely used against many diseases.

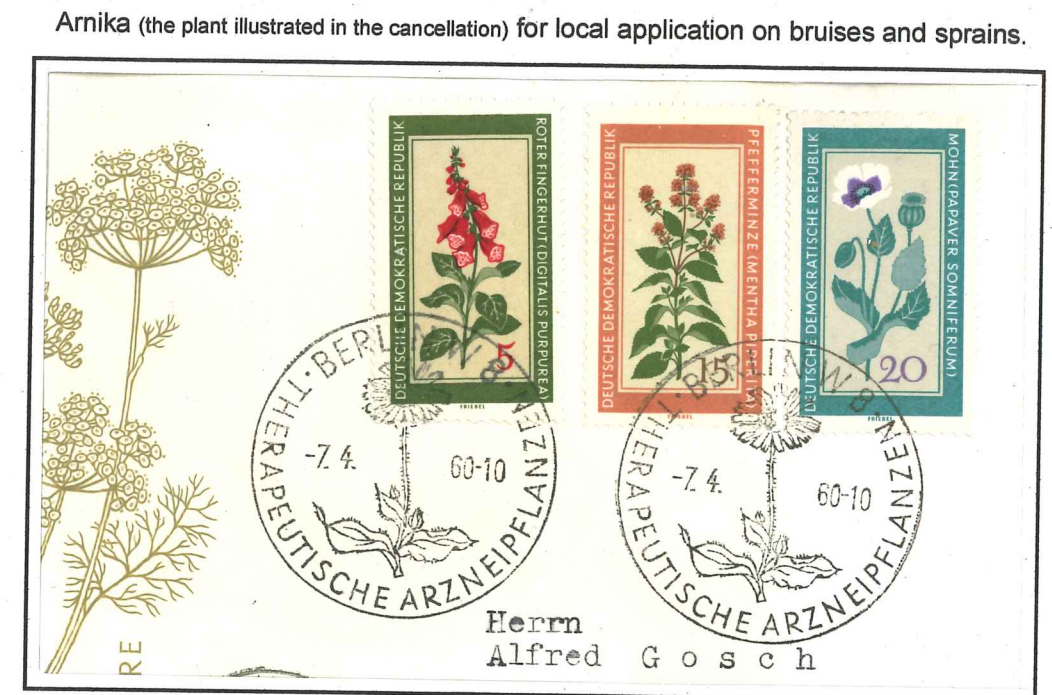




ZKD ("Zentraler Kurierdienst") sender cancellation from the firm; free postage.



Imperforated corner block of 4.



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



Issued stamp and the variety without the black printing.



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.

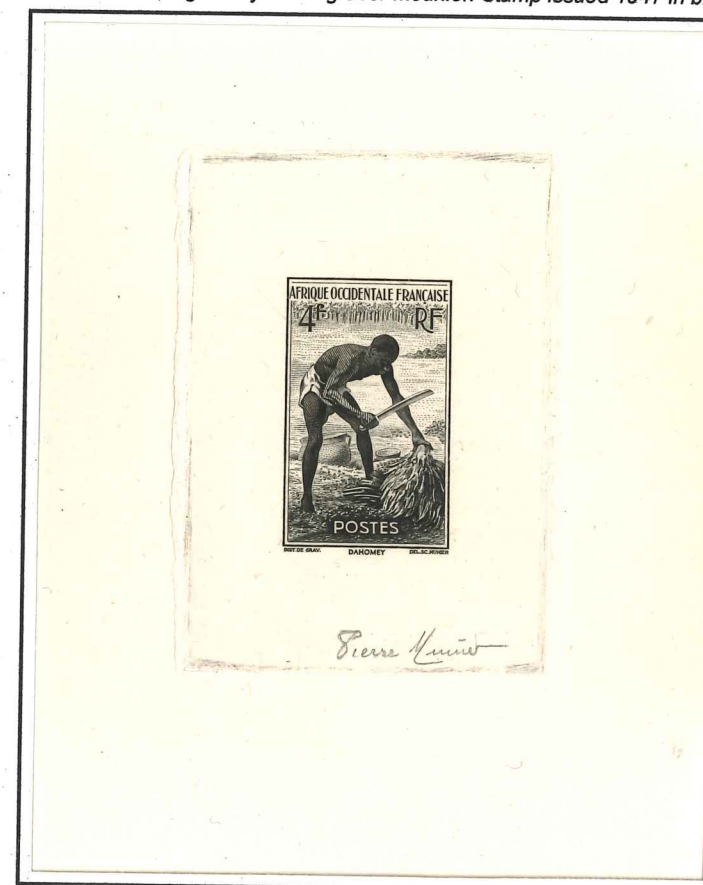
The Golden Trumpet have been used against some liver diseases.

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

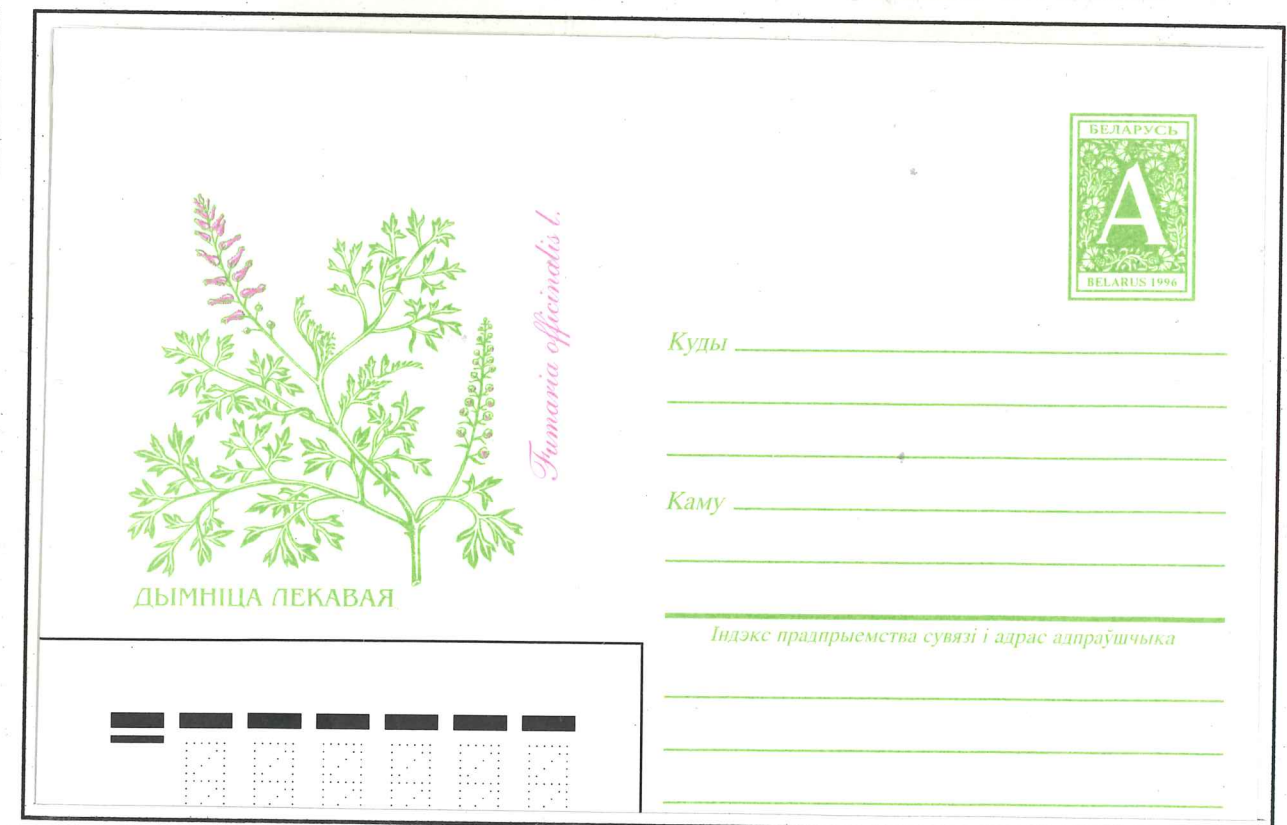


The plant ("Round-leaved Wintergreen") is used in urinary bladder disorders, against painful urination, boils and infected wounds.

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



The cabbage palm tree is used as a vermifuge.

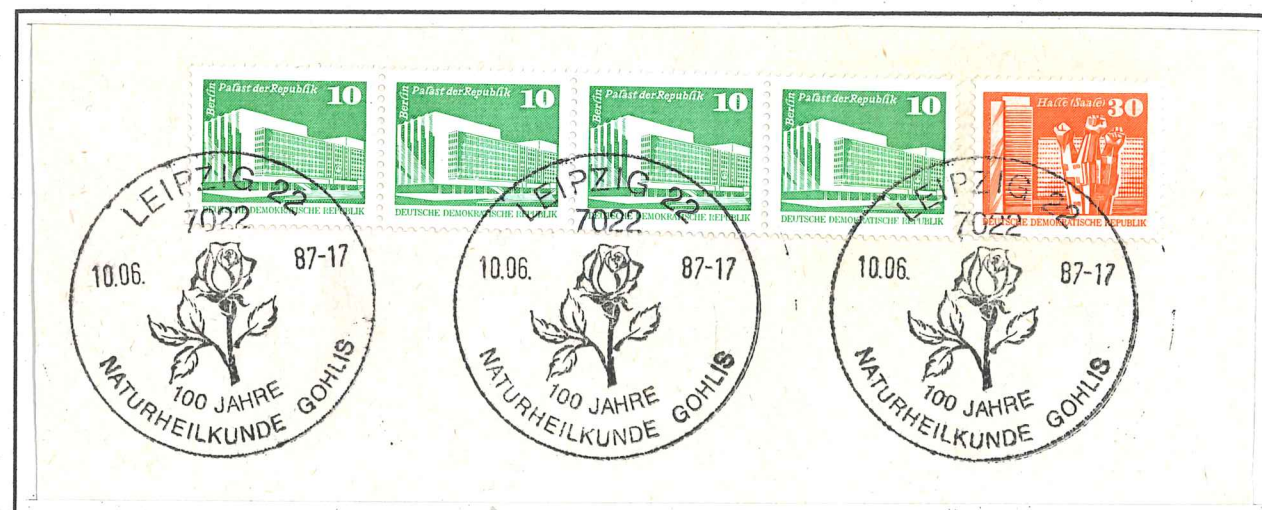


But be careful! Many people believe that traditional drugs have no side effects. The Common Earth Smoke (*Fumaria officinalis*), used to treat skin and eye diseases and to cleanse the kidney, may be poisonous because of its alkaloids. It should only be used under the direction of a medical herbalist.



## 6. Despite of new Drugs, Man still needs Cures ...

d) ... by use of Traditional Medicine



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 simplex, used to treat a variety of illnesses, and ...

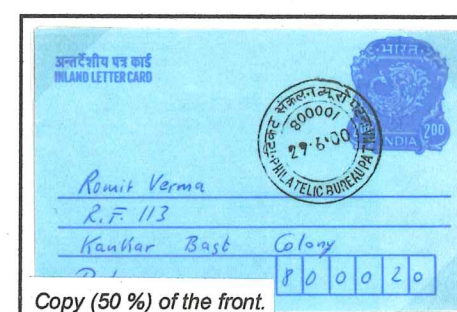


Proof sheet of 20 stamps. The stamp issued in 1988.

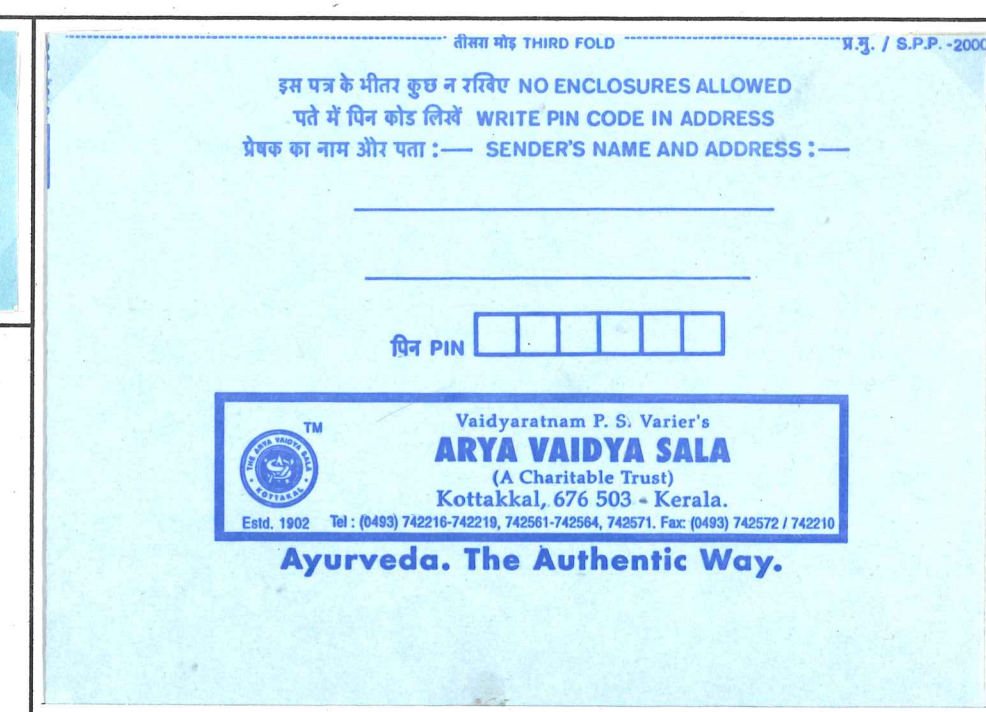
Trial color proofs in margin strip of five with multicolor and printer's color codes in pencil. Issued stamp 1961.



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!