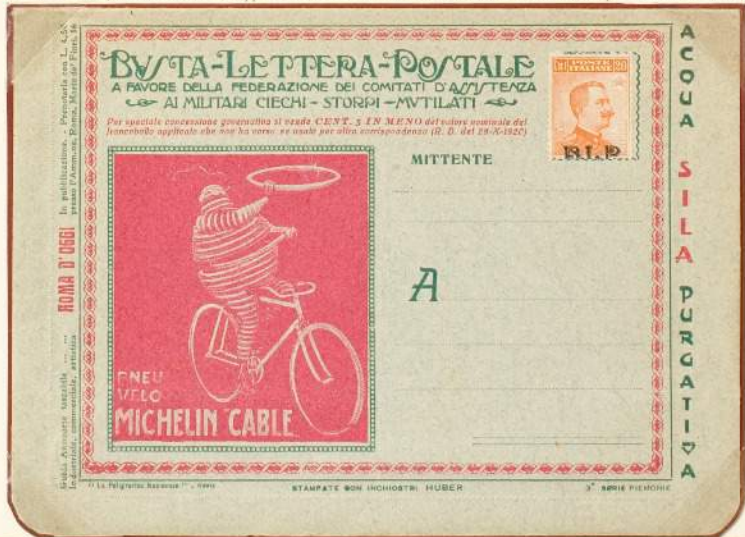


2.3 ANATOMY OF THE SAFETY BICYCLE - pneumatic tyres

Other manufacturers soon began making pneumatic tyres, including Pirelli in 1891 and Edouard Michelin in 1891.



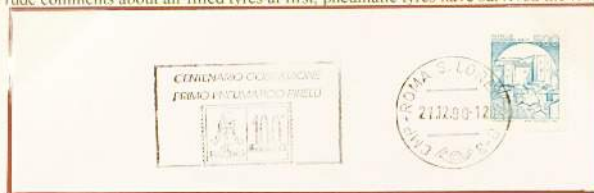
Cartoonist O'Galup's Michelin Man first appeared end 1898. 1920 BLP Letter card sold at discount; proceeds to war wounded



2.3 ANATOMY OF THE SAFETY BICYCLE - pneumatic tyres

Despite rude comments about air filled tyres at first, pneumatic tyres have survived the test of time.

Pirelli tyres, in production for over 100 years.



Gutta Percha - one of North American Cos making tyres.



Italian Letter Card postmarked 12.12.21



Canadian advertising p.c by Gutta Percha Rubber Limited. Inset - Perflu Gutta Percha - back of Canada KGV red stamp c 1920.



2.3 ANATOMY OF THE SAFETY BICYCLE - the saddle

All cyclists need to give careful attention to shape, position and height of saddle to avoid uncomfortable ride.



Utility bikes (above) and mountain bikes usually have coil springs (left) to act as cushion on rough roads and tracks.



Saddles narrower for racing cyclists.

Saddles on bikes built for women are wider than men's as women have wider pelvic bones (But saddles not as wide as in 1898!)

2.3 ANATOMY OF THE SAFETY BICYCLE - Its steering, the handlebars.

Generally, utility bicycles have straight handlebars and touring/racing bicycles have dropped handlebars.



Above Tri-athletes use **extended** bars.

Below Pursuit riders use **upturned** bars



Above:
Racing cyclists have **dropped** handle bars, (no brakes on track)

Below: **Straight** handlebars of a typical utility bicycle

Above and right:
Dropped handle bars on a touring bicycle.
N.B. misplaced perfs.

Below: Postman of 1910 with **straight** handle bars.



2.3 ANATOMY OF THE SAFETY BICYCLE - ball bearings and gears.

The introduction of ball bearings in 1877 allowed the bicycle to free wheel; the derailleur gear used from 1895.



Right IMPERF PAIR
Few known



The rider moves the lever on the down tube to select the best gear.



The cranks, attached to the bottom bracket must withstand heavy downward force



Below
Bottom
bracket
assembly &
derailleur
gear.

A freewheel
allows the
descent of
hills, with
no pedalling



2.3 ANATOMY OF THE SAFETY BICYCLE - Its accessories - Lighting

At night a bicycle needs to be equipped with good lighting so that the rider can see the way and be seen by others



Acetylene lamps used end 19th and start 20th century.
NB Left "HR" Perfin



Above

Pakistan
booklet 9.55.
Modern lighting by battery lamp - can work loose & fail suddenly

100 JAHRE EIDGENÖSSISCHE POST
CENTENAIRE DES POSTES FÉDÉRALES
CENTENARIO DELLE POSTE FEDERALI
1849 1949



Above

Dynamo works by friction on front wheel but light goes out when rider stops. This can be dangerous.

POSTKARTE - CARTE POSTALE - CARTOLINA POSTALE
GÜLTIG VALABLE VALEVOLE 14 V - 21 81 81



Dephelen - Teller - Zürich - Fabrik 1841 - 1849

2.3 ANATOMY OF THE SAFETY BICYCLE - Its accessories **luggage carriers**.

Most bicycles used for utility purposes have fittings at the front or rear to carry luggage.



Baskets may rest on supports and be held to the rear of the bicycle by strong straps



Left Baskets at the front on the handlebars

Above Error imperf end stamps and selvage

Above panniers for post and below for touring

II. CELOSTÁTNÍ SPARTAKIÁDA 1960

NA TURISTICKÝCH CESTÁCH
ZISKÁVĚJÍ ODZNAK
"TURISTA ČSR."



Letadlem
Par avion

Herrn
V. B. Bincht
Lyngbyvej 40
København Ø
Danmark - Dänemark

15

2.3 ANATOMY OF THE SAFETY BICYCLE - Its accessories **Pumps, tool kits and water bottles**.

Punctures occur at the most unlikely times; cyclists need to carry a repair outfit and pump plus a tool kit.



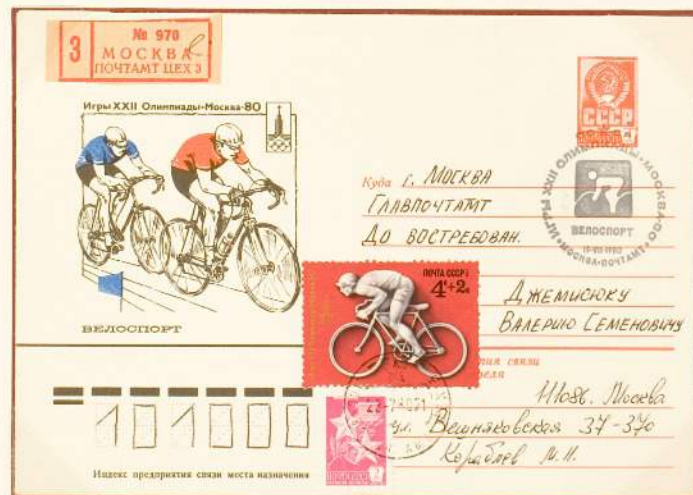
Cycle tyres need to be kept fully inflated. Pumps are fixed on the down tube, usually.

Below; spanner essential to tool kit.



Above, Error, in Olympic Rings, on left IMPIADA instead of OLIMPIADA.

Tourists and racing cyclists need to avoid dehydration and carry water bottles on handlebars, above right, or down tubes, below.



3 USE OF THE BICYCLE FOR LEISURE PURSUITS

3.1 ENJOYMENT OF THE BICYCLE STARTS FROM AN EARLY AGE - First steps.

Having introduced manufacturers; described parts of the bicycle, let's look at users, starting with young children.



Children usually start on two wheels with a scooter.



First taste of cycling is often a chair seat, behind Mum or Dad.



The tricycle is soon mastered, under the eyes of grandparents.



A child's first two wheeler is usually fitted with stabilisers.



Below: Children enjoy 'racing' each other on tricycles.

The Park, a safe place for children to learn to ride.



Children are proud of their first bicycle, with gears.



0380 Bad Homburg a. M. Höhe
Sonnenscheinpark, Frankfurt

Paul Jung
Metalarbeiter-Str. 42
63322 Ehringhausen

(Postleitzahl) (City)

0380 0380 + 0 70 20 000 1 77



Postkarte

N. Torge
Bilderrahmen Nr. 32
Presseshaus

(Postfach oder Straße und Hausnummer)

6430 Speyer

(Postleitzahl) (Bestimmort)

3.1 ENJOYMENT OF THE BICYCLE STARTS FROM AN EARLY AGE - Children gain independence.

A bicycle gives children the freedom to explore the countryside, either on their own or with friends.



Bromide proof (1 of 20)



Note the pride of ownership of bike



Note error: imperf. between 2 stamps.



3.1 ENJOYMENT OF THE BICYCLE STARTS FROM AN EARLY AGE - **Parents encourage children.**

Some parents enjoy cycling with their children, helping them to gain road skills and to enjoy the countryside.



Above: In Sweden 80% of the population live in towns. Families use bicycles, to escape to the countryside together



Both parents and children now ride mountain bikes, especially in the country.



Above: Baby sits behind parent and the older child can ride own bicycle



Left and below: Families enjoy cycling together in the country



Above: First latent image stamp. If viewed at an angle, Olympic symbol can be seen.



Bicycles with straight handlebars less popular but are still purchased



3.1 ENJOYMENT OF THE BICYCLE STARTS FROM AN EARLY AGE - **Scouts encourage proficiency.**

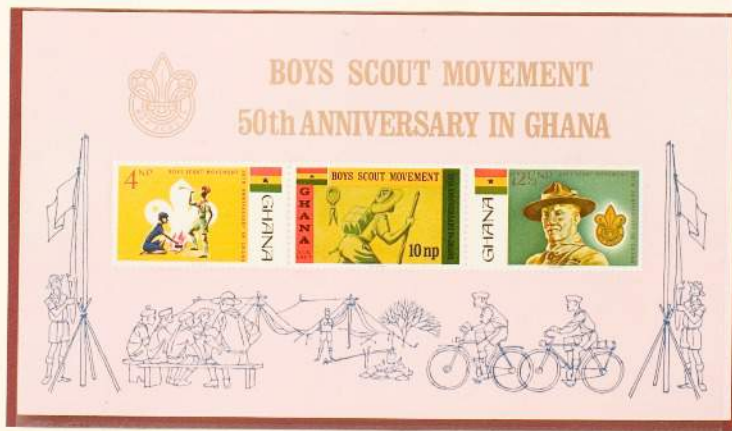
Boy Scout movement arose out of Baden Powell's organisation of cadets delivering mail in Mafeking siege 1900.



Cycle proficiency badge



(Below) Scouts provide a Christmas Charity Mail Service.



3.1 ENJOYMENT OF THE BICYCLE STARTS FROM AN EARLY AGE - *Continues into School & College.*

The bicycle is a major means of transport in the English University Towns of Oxford and Cambridge



19th century college stamps of Herford College and Keble College Oxford. Mail may have been delivered by cycle.

Right. A gowned cyclist is a familiar figure in City of Oxford.



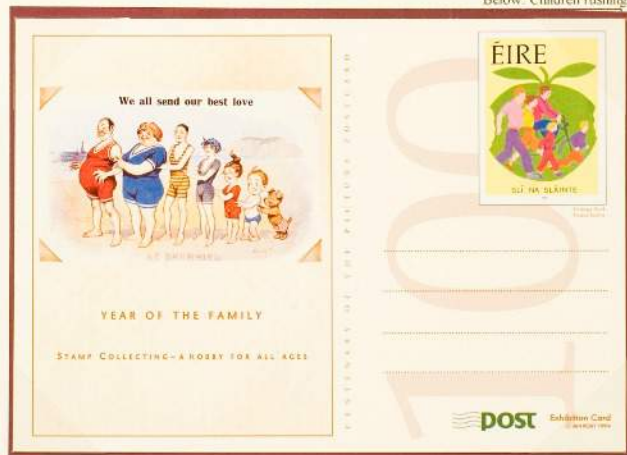
Warning of drug abuse.



Children love to show off their cycling skills when out of school



Below: Children rushing from school?



3.1 ENJOYMENT OF THE BICYCLE STARTS FROM AN EARLY AGE - *But should obey Basic Rules.*

Children should take basic precautions when cycling and ALL road users should be aware of Road Safety.



Should not ride "no hands", or ride "2 up", except if adapted.



Dangerous to carry a friend on the handlebars.



Monochrome proof, on thin cardboard ex printer's archive.



Care needed when taking one hand off the handlebars.

It is especially important that children do not hold onto moving vehicles (Radfahrer! nicht anhängen an Fahrzeuge!)



3.2 IMPORTANCE OF ROAD SAFETY - Bicycles should be roadworthy - and cyclists should take advice.

Cyclists should be seen and heard - need a warning bell and a reflector plus clear lights, at night.



especially in heavy traffic



2350 Neumünster - 60 000 Einwohner
Lebendige Einkaufs- und Veranstaltungsort in Herzen
Schwarz-Weiß mit Rotem Wein- und Freizeitsport

2
3
4

Postkarte

(Straße und Hausnummer oder Postfach)



Cyclists should take notice of policemen

Left - Should use cycle lanes, when provided.

and cyclists should never forget that they can cause accidents too!



3.2 IMPORTANCE OF ROAD SAFETY - Road signs and signals.

Like all road users, cyclists should be familiar with all road signs and obey traffic signals.



Above graphic symbols to explain need to "give way"



Below - Cartoon characters effective in teaching young.



Below - Man explaining to boy that cycling not allowed in the street.

