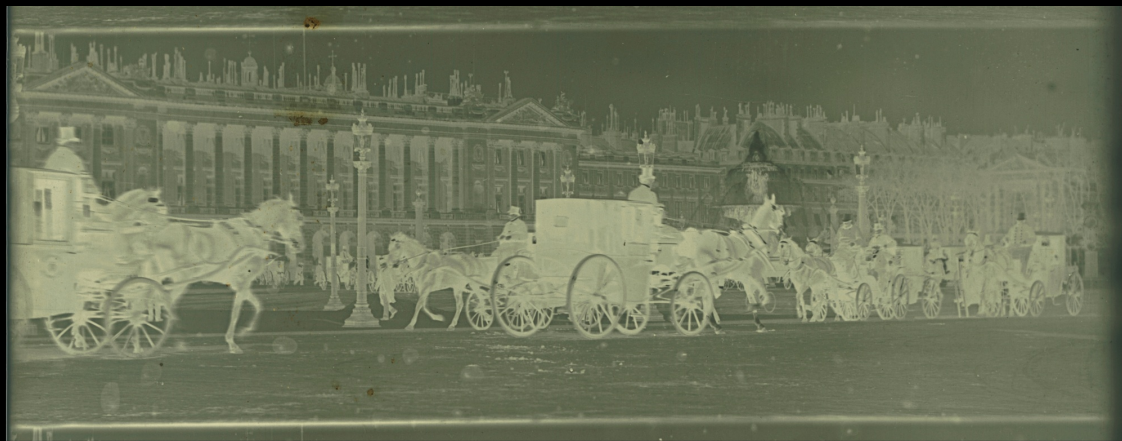


Étienne-Jules Marey
PLACE DE LA CONCORDE

NEWLY DISCOVERED
One of the oldest cinematic shots ever made

Prague Research program in Methodics for the Digitilization of the National Film Fund

A presentation by Marek Jícha ACK



88 mm

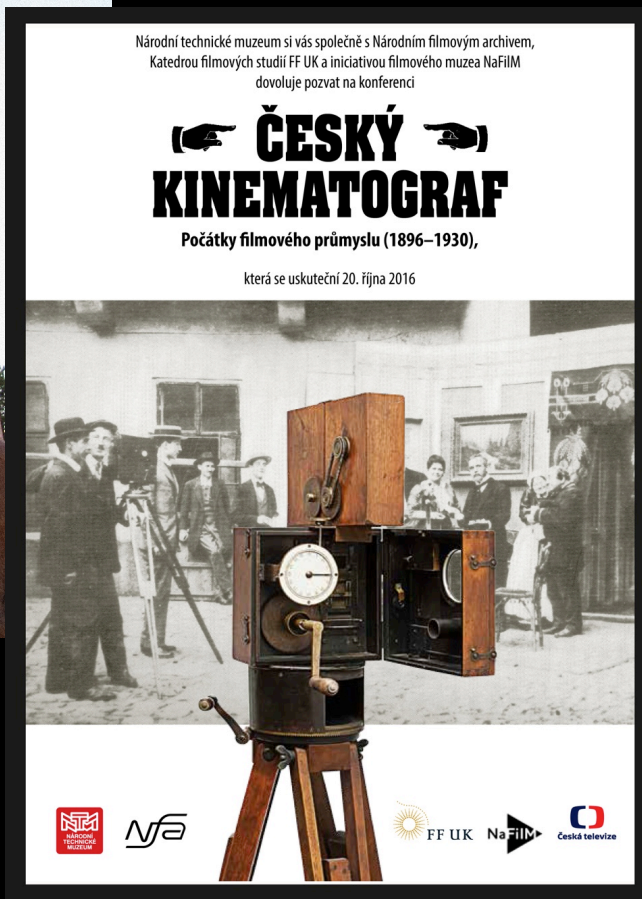


NATIONAL TECHNICAL MUSEUM IN PRAGUE





MFA Daniel SOUCEK
Co-author of exhibition 2016
“CZECH CINEMATOGRAF”
member of NAKI AMU researching program in Prague





RESEARCH OF ALL TYPES OF VIDEO SOURCES OF FILM MATERIALS
LOOKING FOR THE OLDEST NITRATE FILM STOCK



RESEARCH
OF OLDEST NITRATE
FILM STOCK



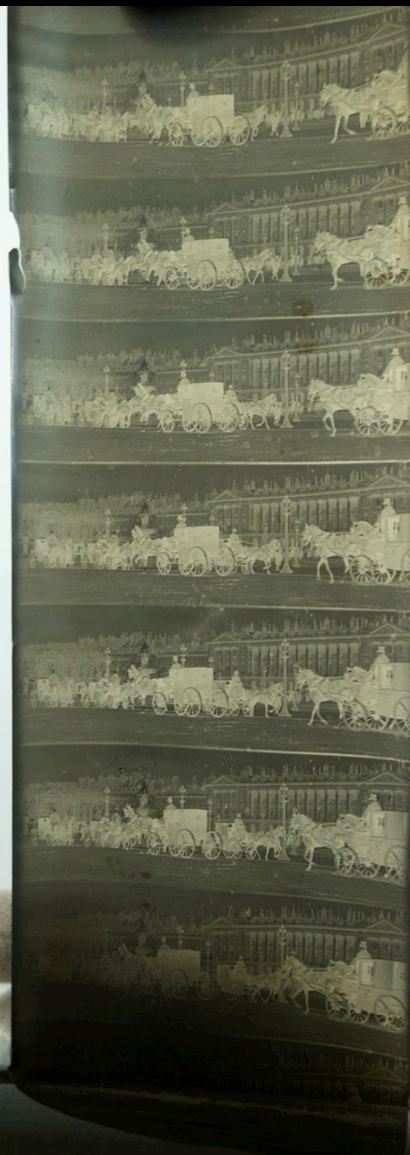
RESEARCH
OF OLDEST NITRATE
FILM STOCK

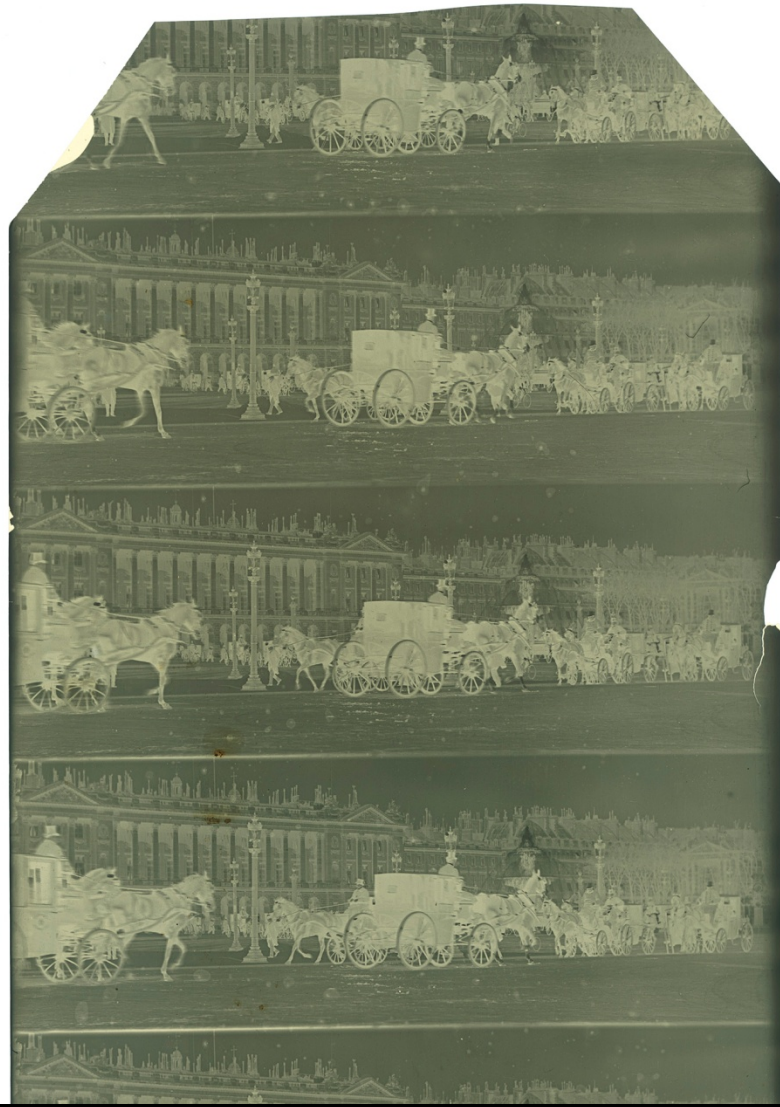


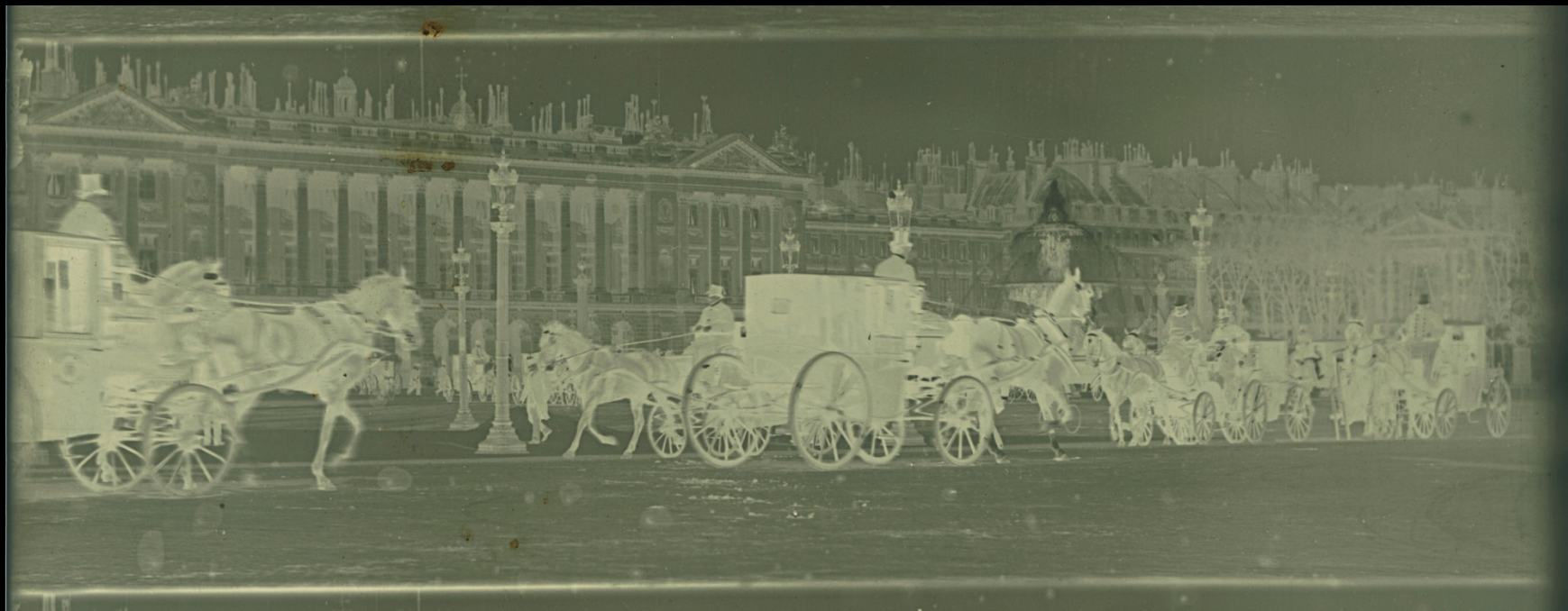


RESEARCH
OF OLDEST NITRATE
FILM STOCK



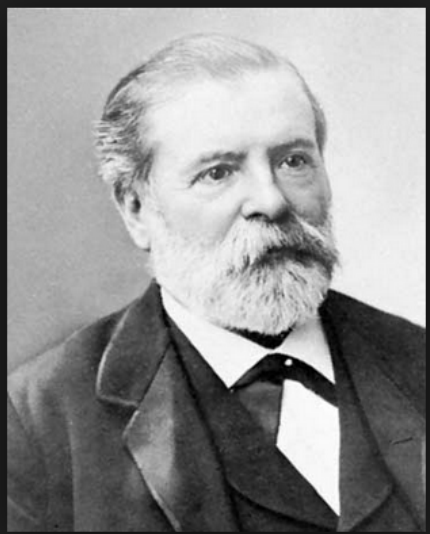






88 mm

19 meter long film strip - was shot at 12 frames per second
= 545 frames, the size of 31 x 88mm = 45 second long take



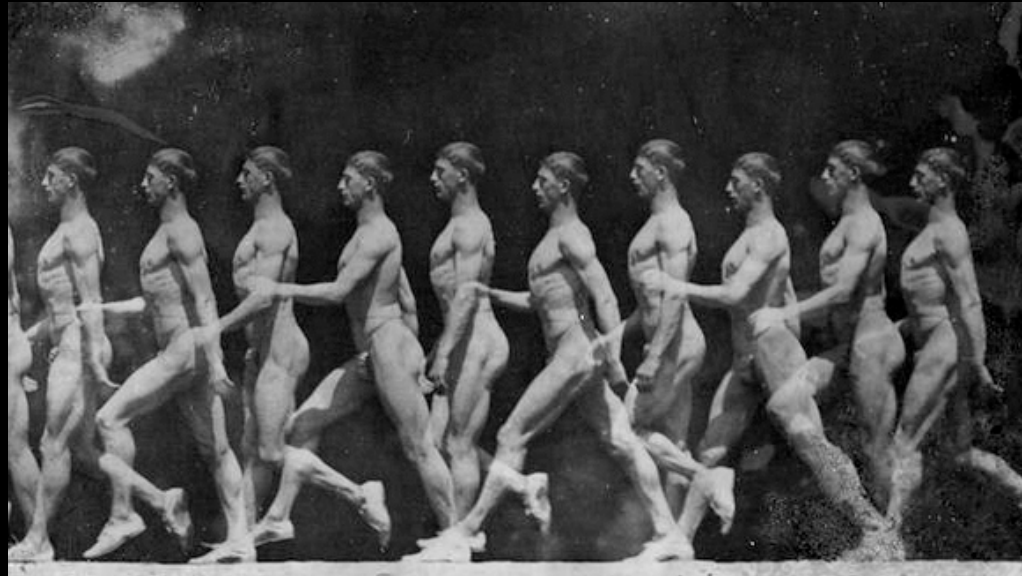
Étienne-Jules Marey 1830-1904

French physiologist and chronophotographer

Developed his “Methode graphique” using
Recording instruments and graphs (polygraphs,
sphygmographs, dromographs, myographs)



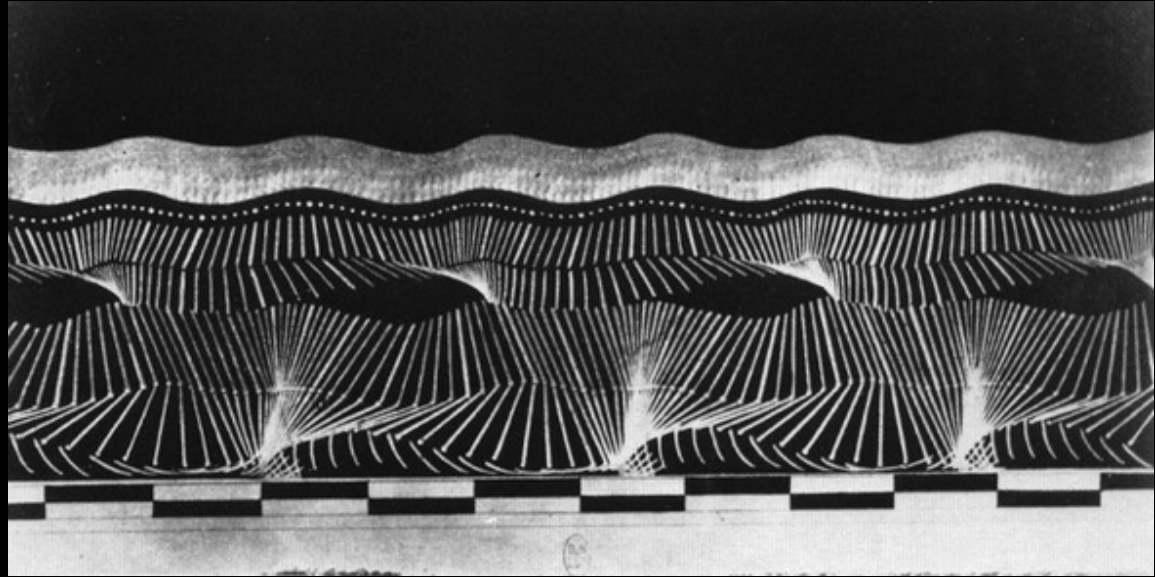
Étienne-Jules Marey 1830-1904



He succeeded in analysing diagrammatically the human and horse walk



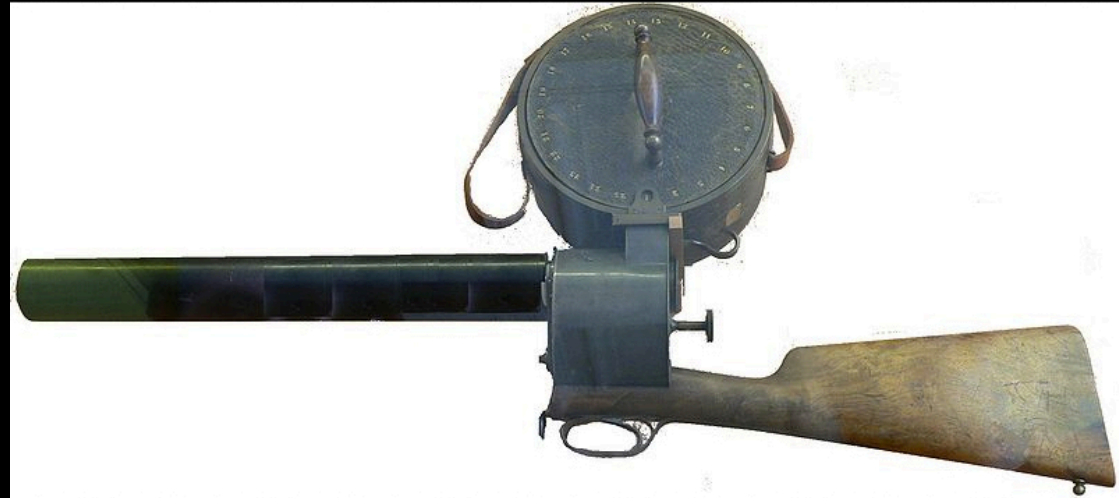
Étienne-Jules Marey 1830-1904



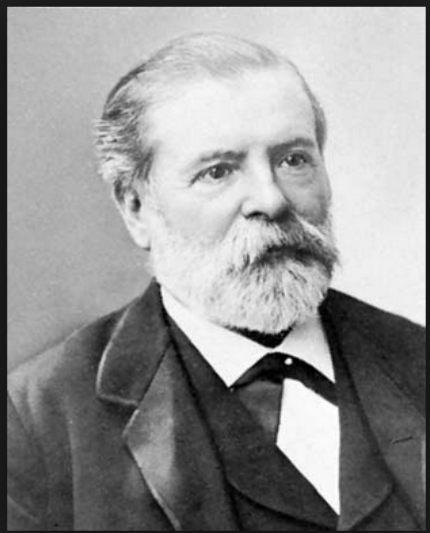
Influenced by Muybridge's photographic research, Marey started to use photographic study of movement too.



Étienne-Jules Marey 1830-1904



He improved the photographic gun to make 12 frames per second.



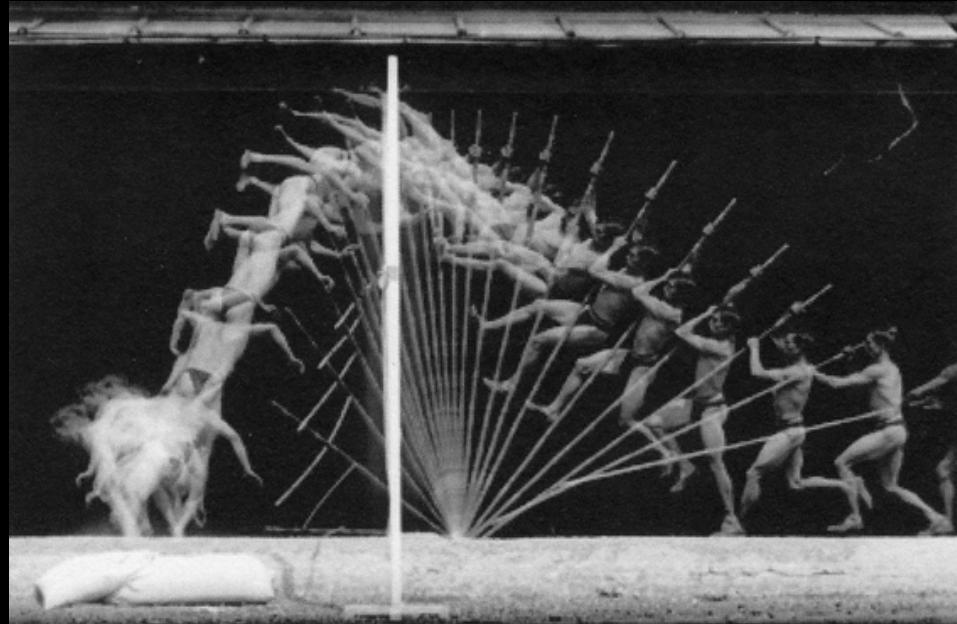
Étienne-Jules Marey 1830-1904



Marey improved new chronophotographic cameras up to 20 fps.



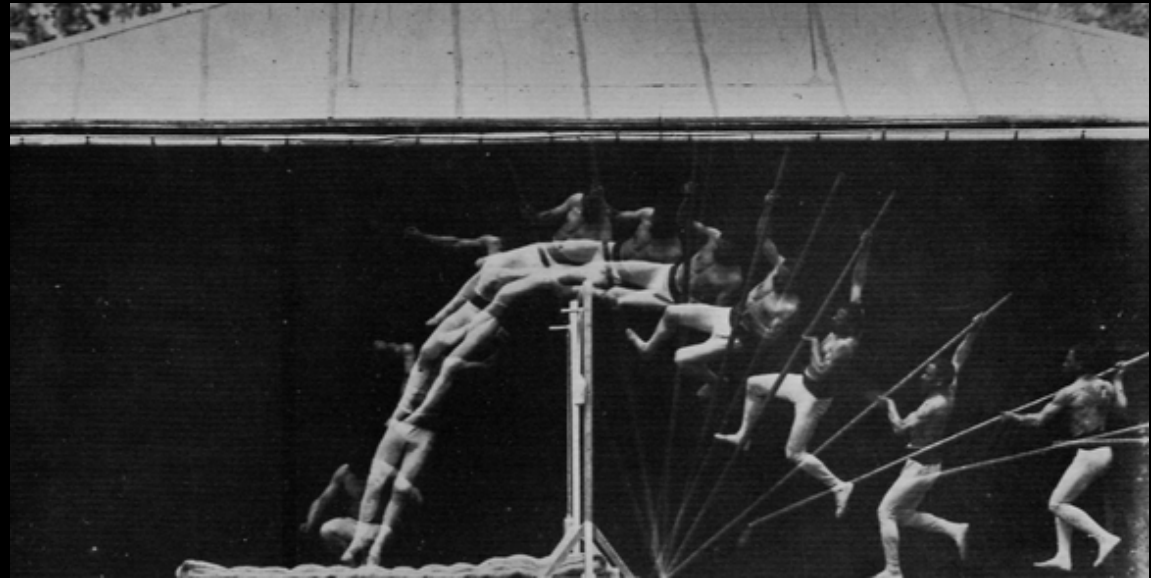
Étienne-Jules Marey 1830-1904



Marey improved new chronophotographic cameras up to 20 fps.



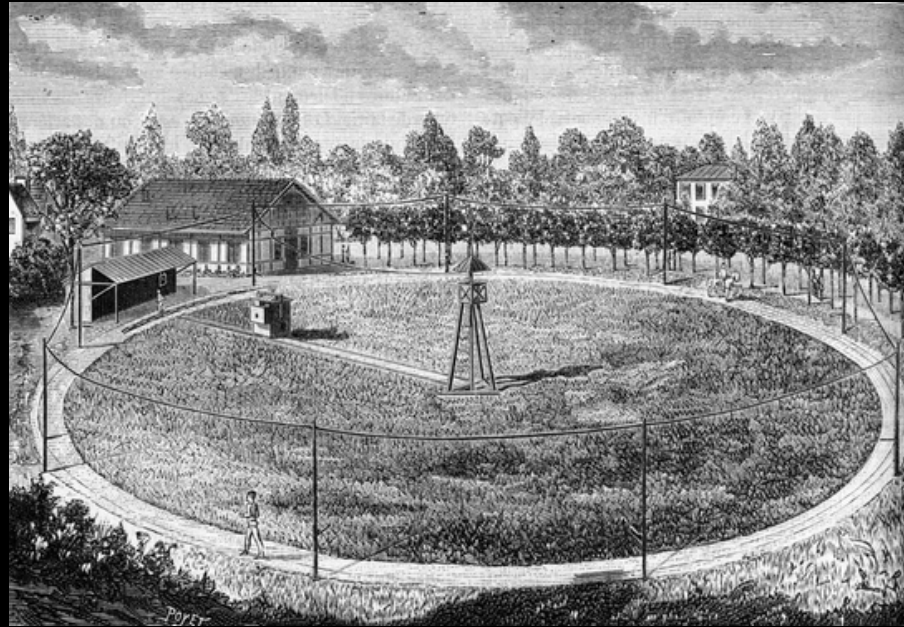
Étienne-Jules Marey 1830-1904



Marey improved new chronophotographic cameras up to 20 fps.



Étienne-Jules Marey 1830-1904



In 1882, the Station Physiologique opened in the Bois de Boulogne.



Étienne-Jules Marey 1830-1904



He invented new mobile chronophotographic camera with timed shutter.



Étienne-Jules Marey 1830-1904

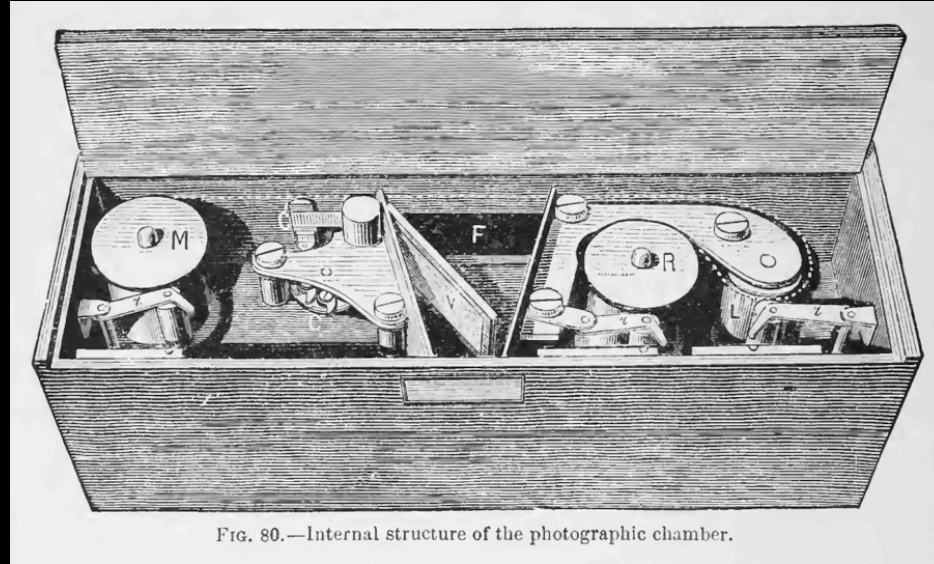
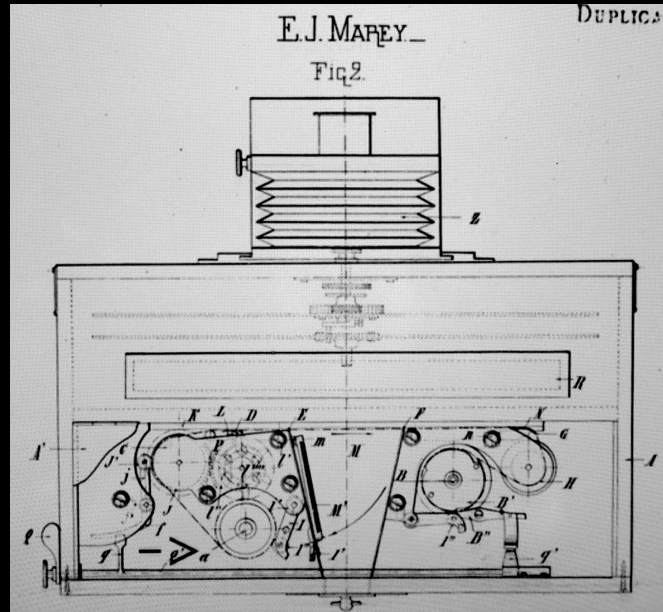


FIG. 80.—Internal structure of the photographic chamber.

In 1890, he replaced paper strip with a 90 mm transparent celluloid film.



Étienne-Jules Marey 1830-1904



Film strip was moved intermittently by electromagnetic pressure plate



Étienne-Jules Marey 1830-1904

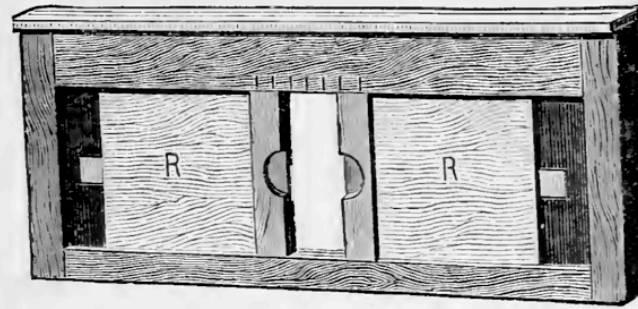


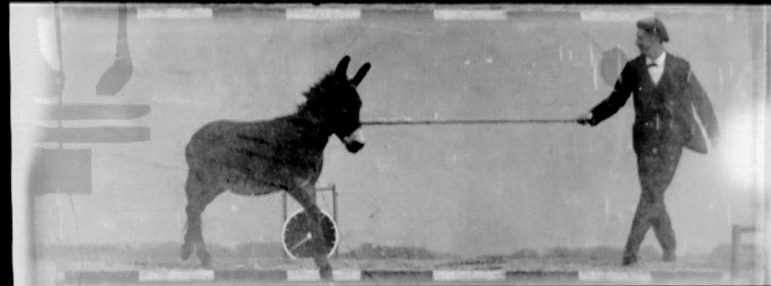
FIG. 81.—Admission shutter which is substituted for the dark slide when working with a roll of film. The size of the aperture can be regulated by the side screens R R according to the dimensions of the intended image.

Shutter exposed film - the principle of all cinematographic film cameras.



Étienne-Jules Marey 1830-1904

Étienne – Jules Marey



Films Chronophotographiques.

1890 – 1904

Collection de la Cinémathèque française.

Marey's had assistant: Georges Demeny, Lucien Bull and Pierre Nagues



Étienne-Jules Marey 1830-1904



1st Long take – 1897 BOIS DE BOULOGNE Lucien Bull, E-J Marey



Étienne-Jules Marey 1830-1904



2nd Long take – 1897 PONT D'IÉNA Lucien Bull, E-J Marey

Prague Researching program on Academy of Performing Arts led by prof. MFA Marek Jicha developed a new scientific method Digital Restored Authorizate (DRA) and certified it internationally.



Prague Researching program on Academy of Performing Arts led by prof. MFA Marek Jicha developed a new scientific method Digital Restored Authorize (DRA) and certified it internationally. 7 new methods of digital restoration.



- DRA -

DRA SAMPLER – PLACE DE LA CONCORDE

FACSIMILE OF REFERENCE PRINT DFRP (up)
EASTMAN/LUMIÈRE b&w (???)

DRA OF ORIGINAL NEGATIVE (below)
EASTMAN/LUMIÈRE b&w (???)



PLACE DE LA CONCORDE (1888–1904) – chronofotographia: Étienne–Jules Marey



DRA SAMPLER – PLACE DE LA CONCORDE

FACSIMILE OF REFERENCE PRINT DFRP (up)
EASTMAN/LUMIÈRE b&w (???)

DRA OF ORIGINAL NEGATIVE (below)
EASTMAN/LUMIÈRE b&w (???)



PLACE DE LA CONCORDE (1888–1904) – chronofotographia: Étienne–Jules Marey

DSM



DSM



DFRP



DRA

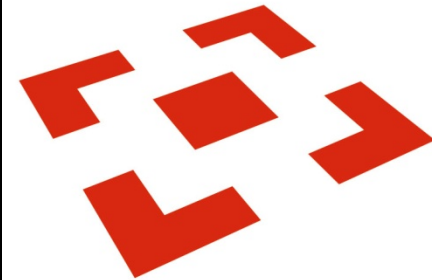


DFRP



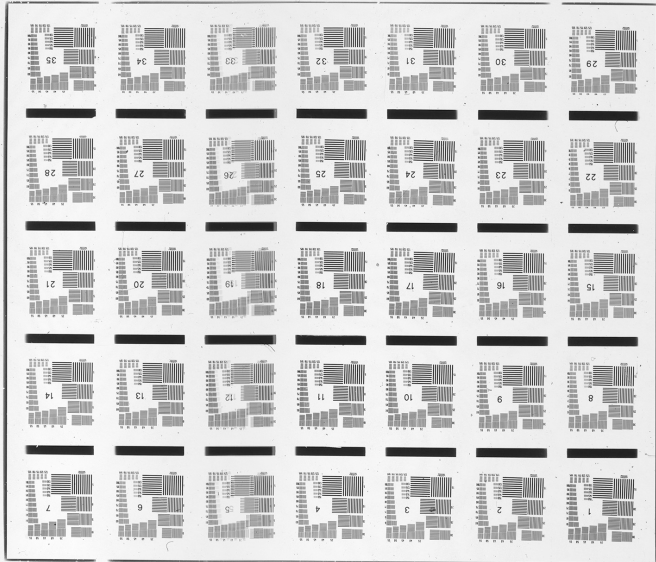
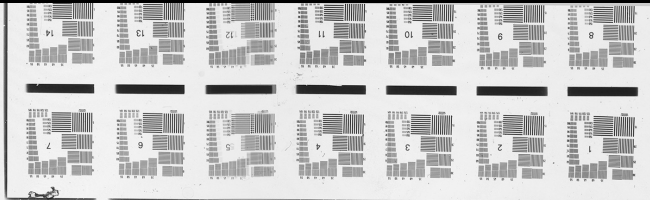


Scanner Cruse
CRUSE Spezialmaschinen GmbH



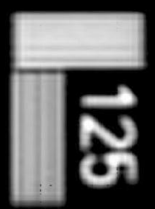
**NATIONAL
HERITAGE
INSTITUTE**

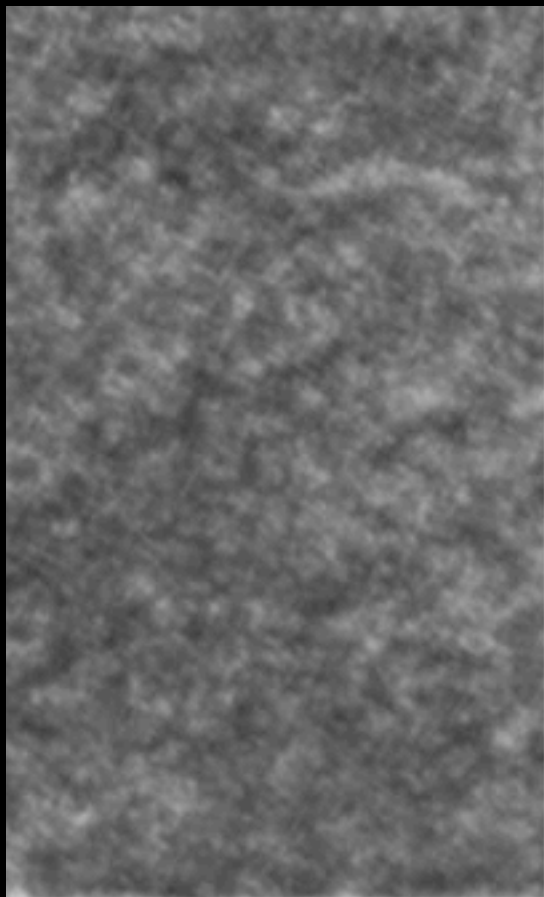




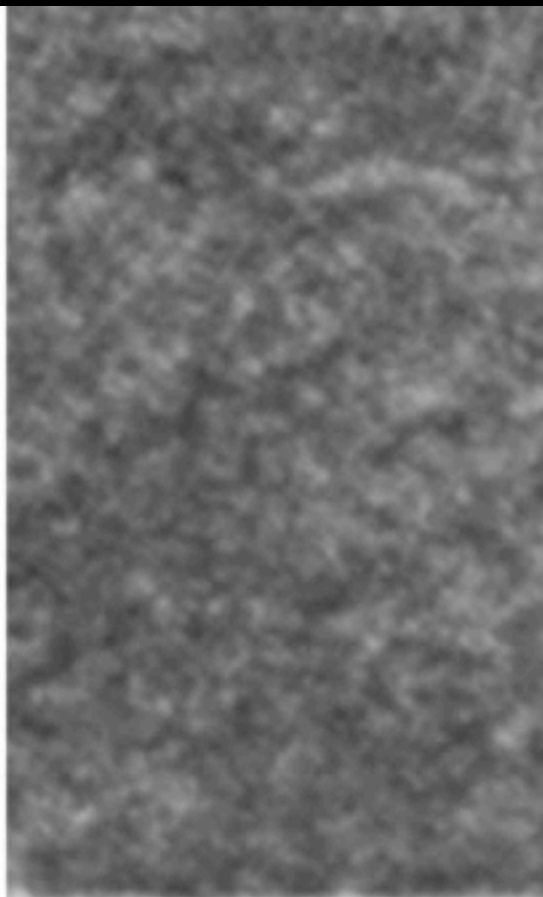


250 dpm = 6 350 dpi !

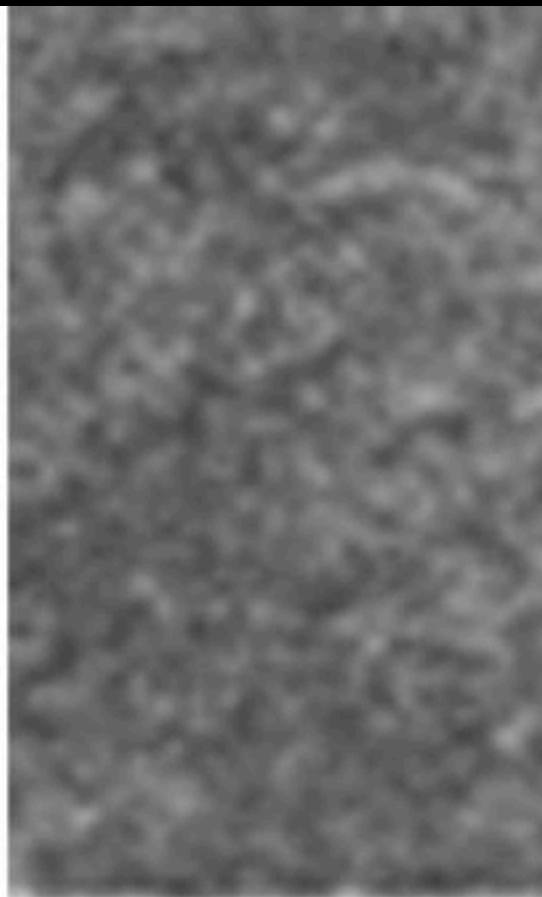




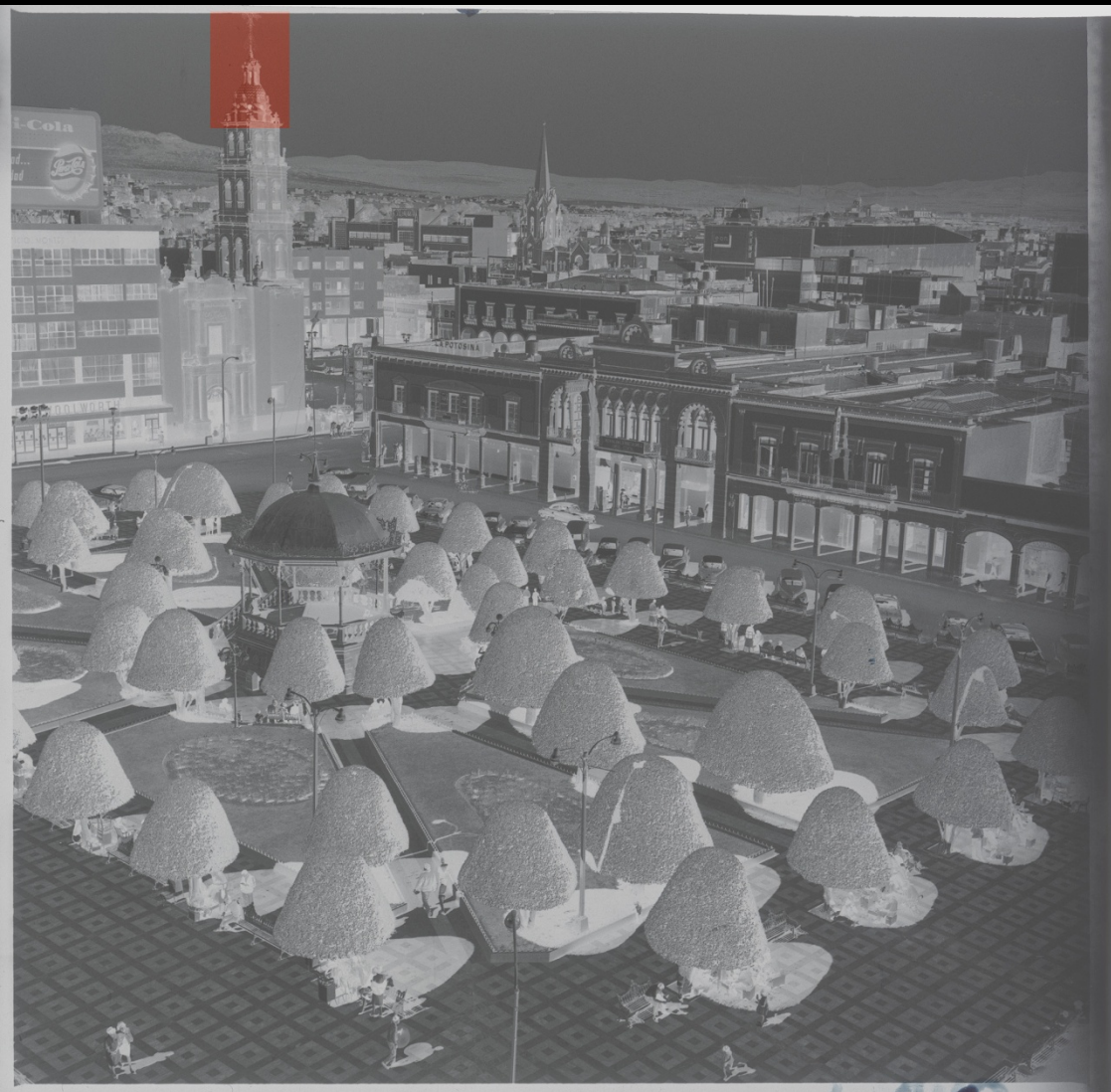
8000 dpi



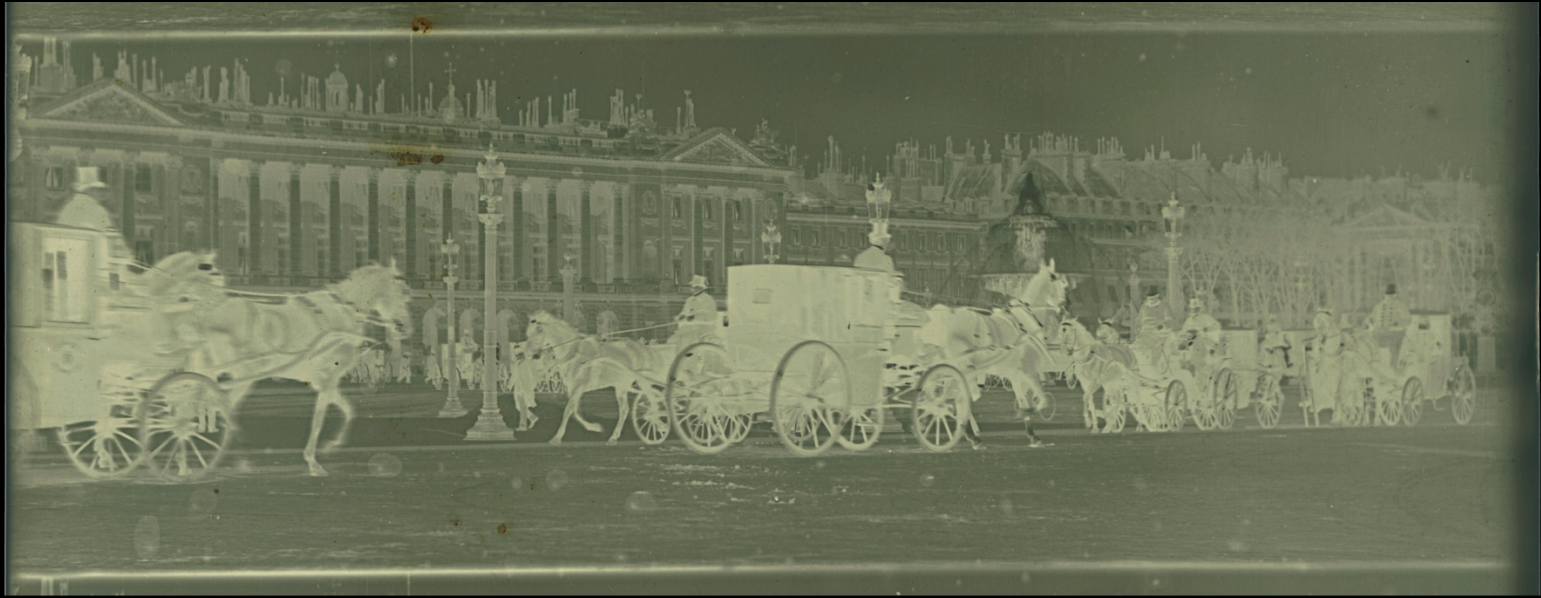
4000 dpi



2000 dpi

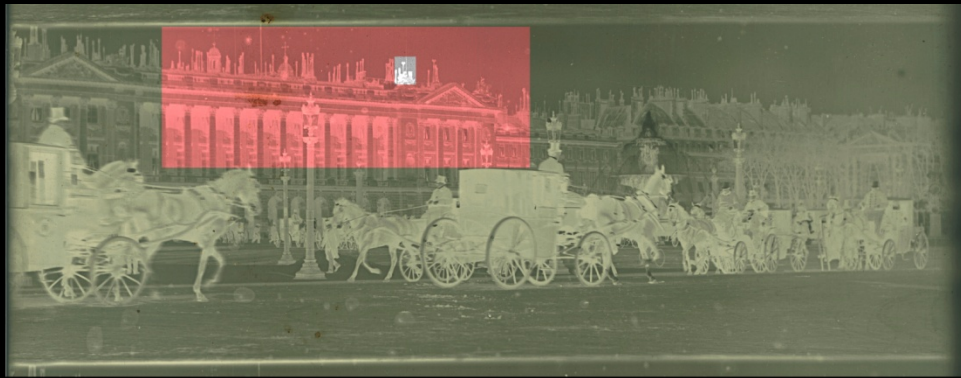




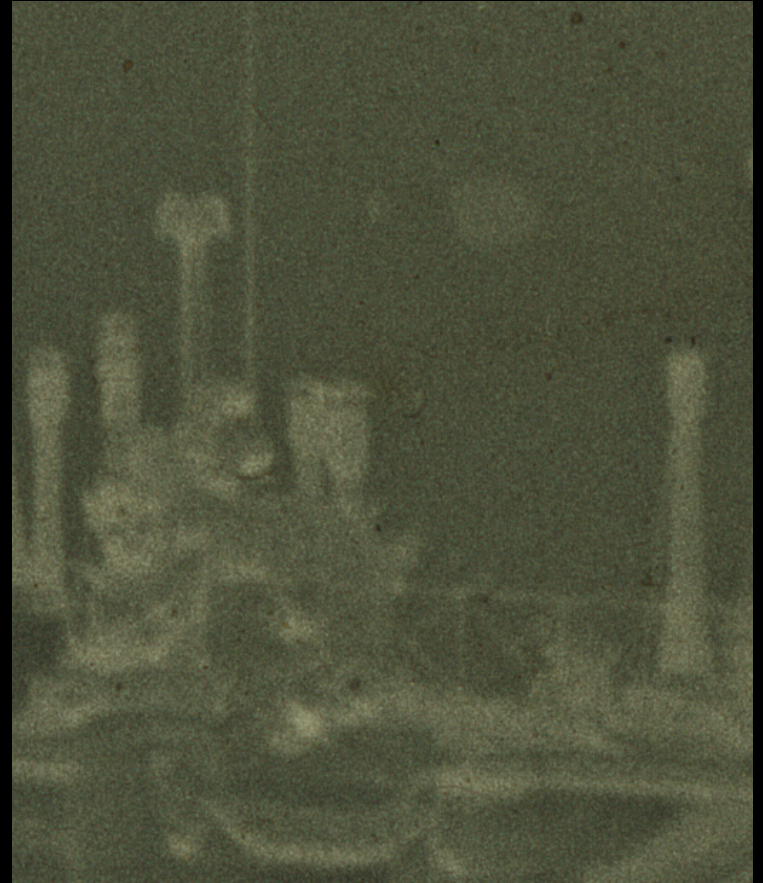


88 mm

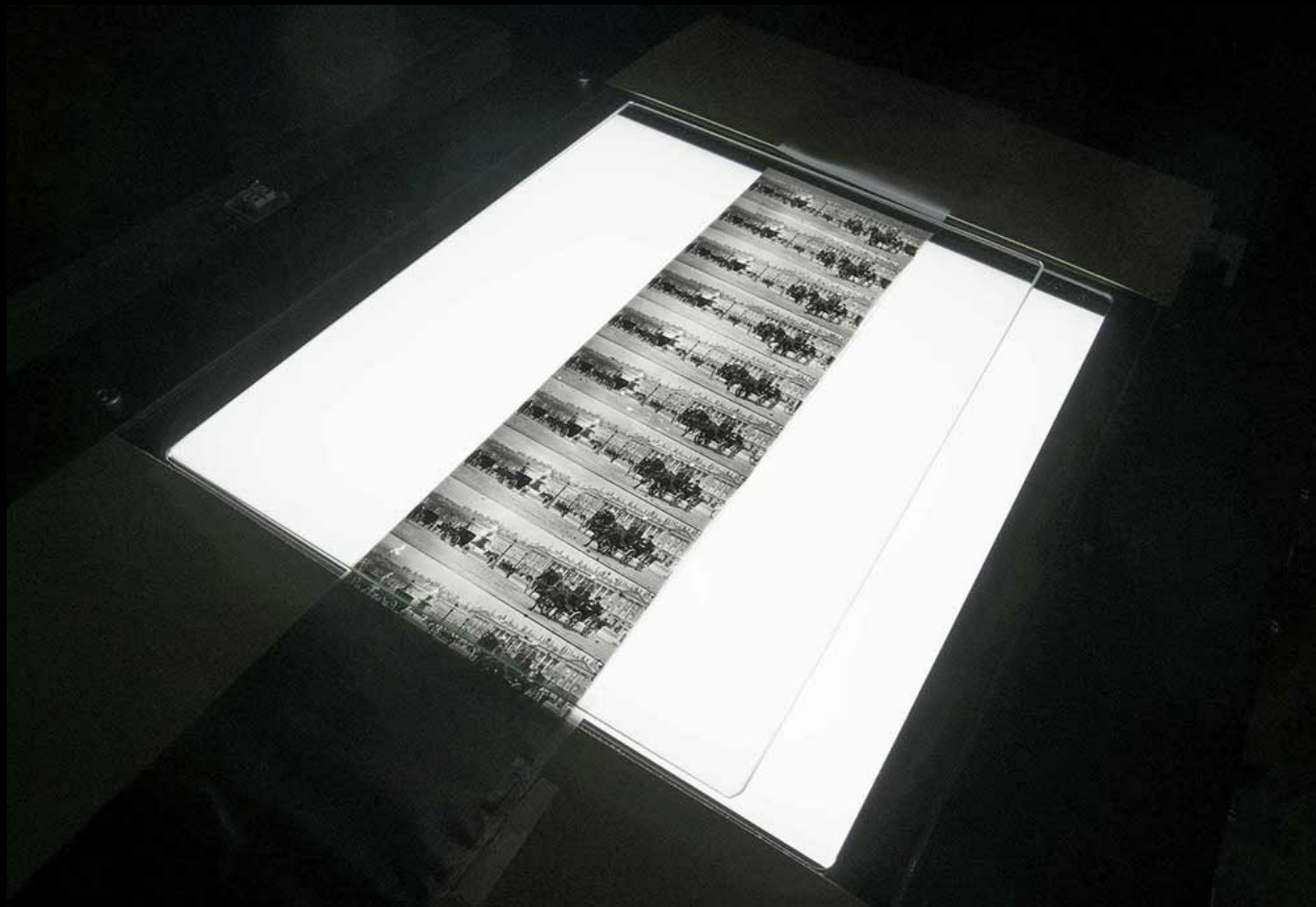
3 800 dpi = 12 918 pixels / per image width = ca 13K



Film width 88 mm / 13K



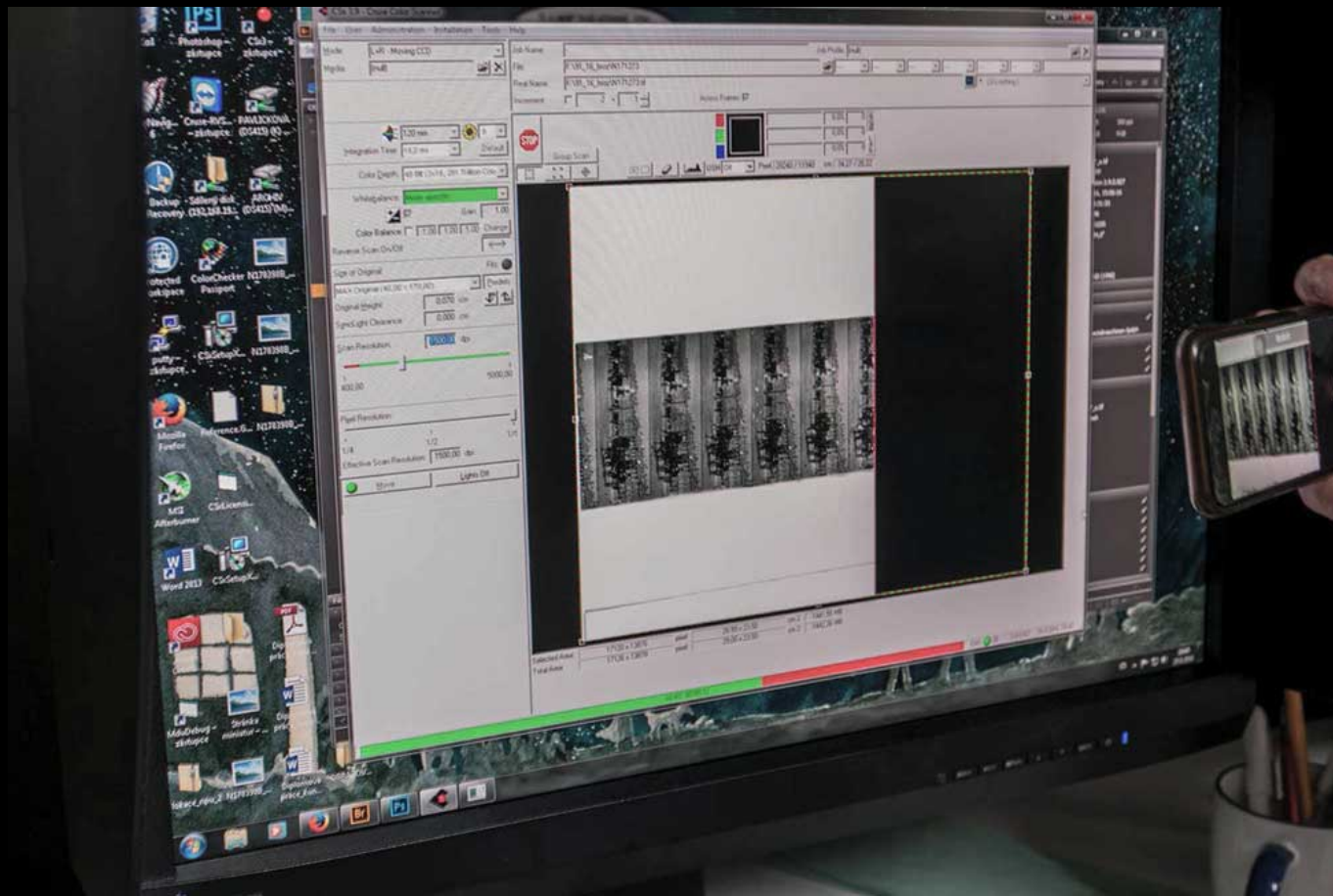




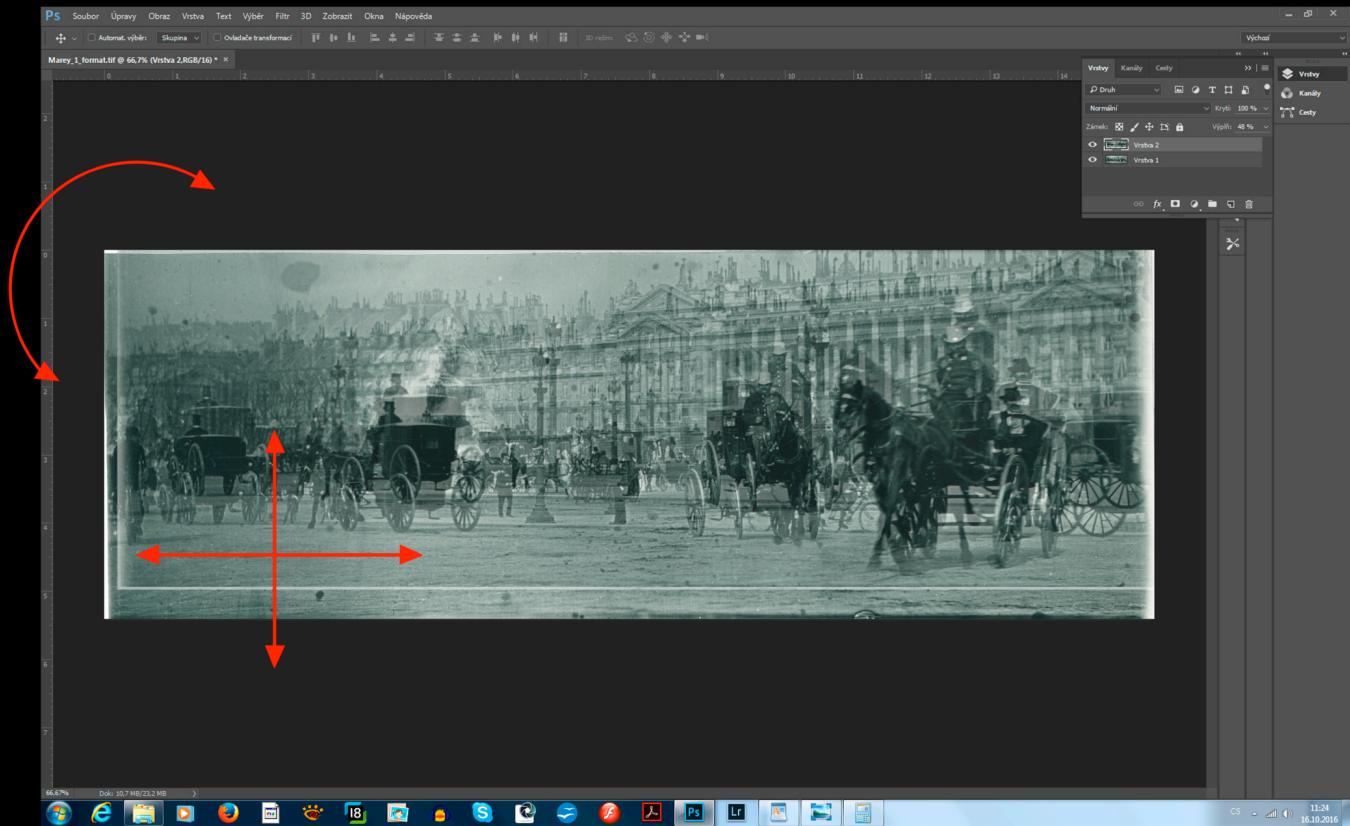




















World premiere of Place de la Concorde at Piazza Maggiore at 2017 Il Cinema Ritrovato



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World premiere of Place de la Concorde at Piazza Maggiore at 2017 Il Cinema Ritrovato

Od: "Davide Pozzi" <davide.pozzi@immagineritrovata.it> 

Předmět: R: ASSOCIATION OF CZECH CINEMATOGRAPHERS -

Datum: June 25, 2017 4:48:46 PM GMT+02:00

Komu: ""Marek JICHA"" <lampafilmx@gmail.com>

Dear Marek,

I hope my e-mail finds you well.

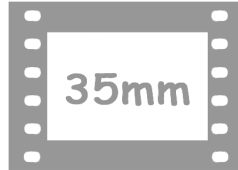
This is just to tell you that yesterday I was in the Piazza Maggiore, the main square in Bologna where the night screenings take place, and I was glad to see your work screened. I am very happy that Gian Luca has decided to screen it and I hope you are happy too. Congratulations, it was not only very interesting from a historical point of view but also very beautiful!

I am attaching a pic of the event.

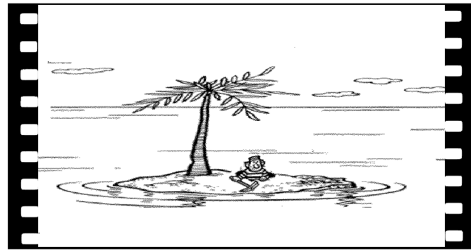
Best,

Davide





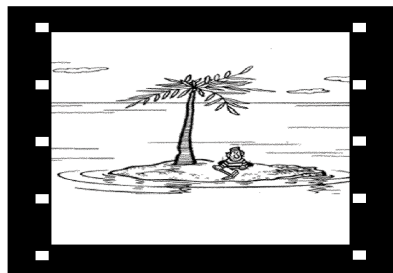
54mm
Friese-Greenûv film 1890



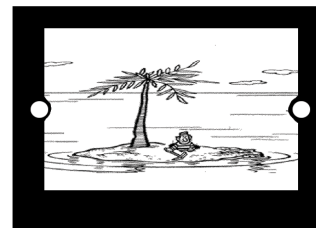
70mm Georges Eastman 1889



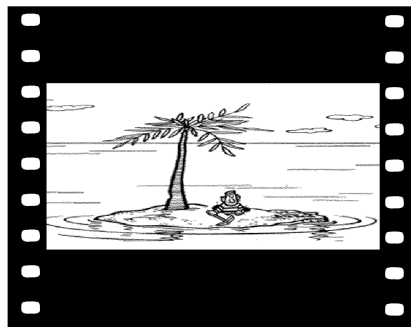
54mm
Le Princeûv film 1888



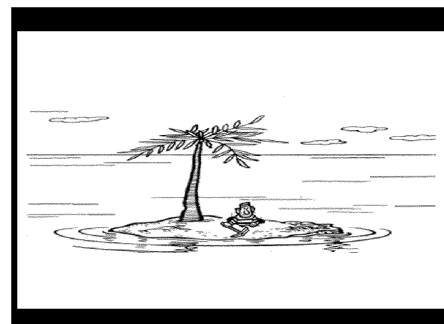
60mm Demeny-Gaumont 1896
Prestwich



48 mm
Blair VIVENTOSCOPE
1897



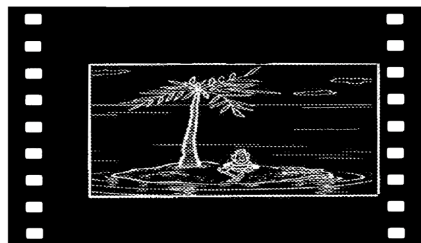
63mm VERISCOPE 1897



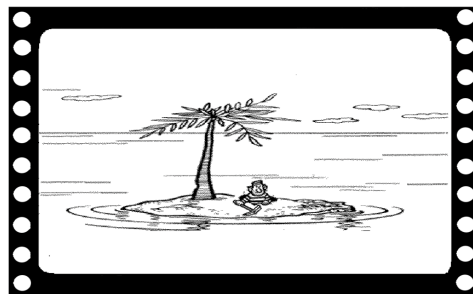
68mm BIOGRAPH 1897



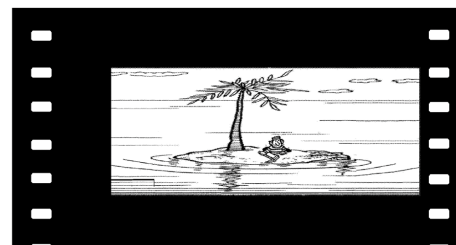
70mm PANORAMICA - F. ALBERINI
1914



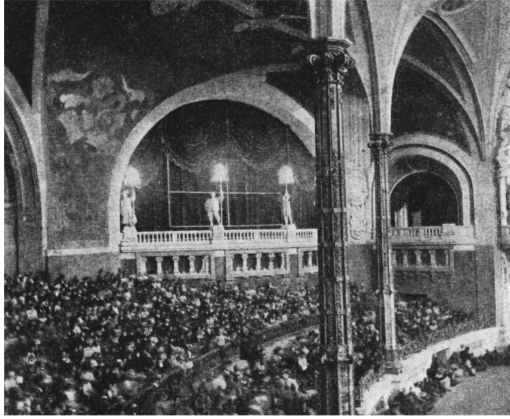
63,5mm Natural Vision 1926



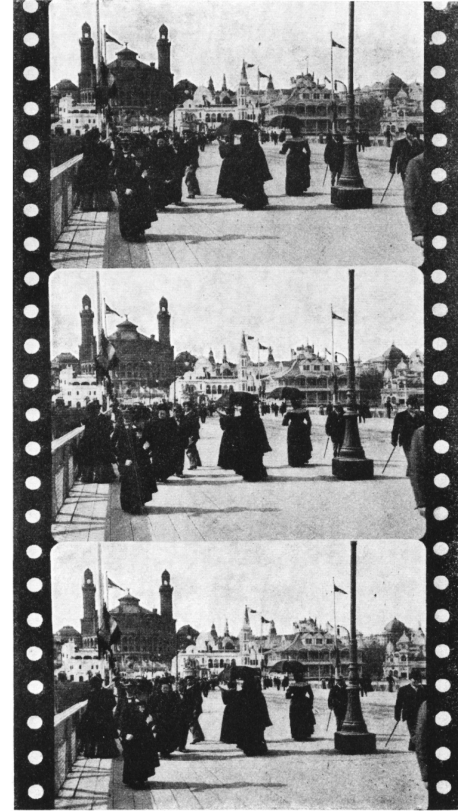
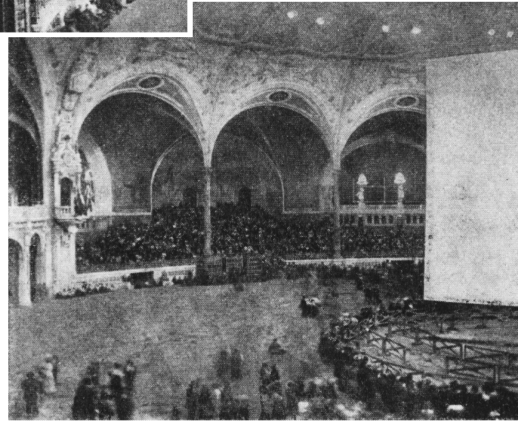
75mm LUMIÉRE 1900



GRANDEUR 70mm
Twentieth Century Fox
1929



75mm
Lumière

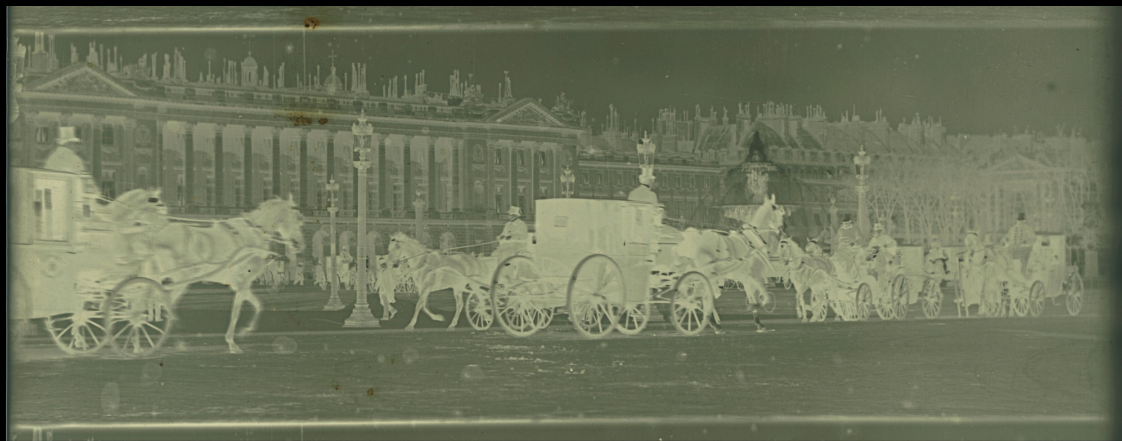


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