

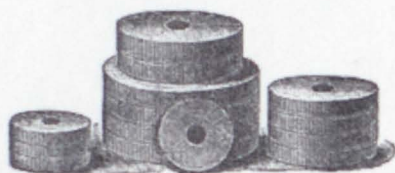
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# NOBLE

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# OBSSESSION

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*Charles Goodyear, Thomas Hancock, and the  
Race to Unlock the Greatest Industrial Secret  
of the Nineteenth Century*

**CHARLES SLACK**



AN IMPRINT OF HYPERION  
NEW YORK

latex  
magnesia  
putrid fumes  
turpentine  
lime  
nitric acid  
Macintosh  
coal tar  
urine  
naptha  
(Gardner) vulcanite

the magnesia failure  
the nitric-acid mixture  
Sulphur malting process

Inventor  
Ralph B. Steel of  
New Haven  
William Ballou  
N.Y. Merchant  
William Ely  
N.Y. acquaintance



Dec 29, 1800 Charles born

WED 21 11 P.M.

Aug 27, 1824 - Maria Clarissa - she was 20

3 children -

Debtors prison 1828 in Plummer p24

Creditor descend when or how a debtors would serve in Prison until 1830's goes bankrupt

Charles unaware of rubber

compare 1830's rubber to internet craze

when did term rubber come from.

rubber - the smell - melted - turpentine

Goodyear - a romantic at heart

Charles Goodyear - "superhuman capacity to endure" returned to Conn. 1836

Clarissa had given birth to 6 and watched 3 die.

too poor for Sodom Hill.

nitric acid process p44

Clarissa and children moved Roxbury 1837-38

Was discovery in 39' an accident?

rubber

sulfur

which heat lead

heat p84 he stumbled on to something magnificent

Goodyear - an oddity, a union, a crank

had trouble duplicating his discovery

Clarissa's hitches

Hancock's fire

1840 - debtor's prison in Boston / jail in Cambridge

son Willie dies p108

1841 - loses his younger brother Amasa to Yellow Fever in Key West

Move operation from Woburn to Springfield

Shined goods - flat ships glued between  
pieces of cloth

Smug fitting caps - cuffs - stockings - gloves

Horace Ray leaves wife on day 2nd child born  
to man's his cousin.



Why didn't Goodyear become a wealthy man  
How many times was he sent to jail/prison

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Horace Cutler passed on Goodyear's  
secret to Horace May for \$50 - Good. took  
eight years to invent  
jail for Good. in Springfield - his lost  
the apple and the clerk  
didn't file for patent right away  
on to Britain

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chap 9.  
Brockedon - named process Vulcanization after  
Vulcan - Roman god of fire  
Good. deprived of an English patent - went to  
Hemlock.

Nagatuck India Rubber Co. - Heberest paid  
\$50,000 United States Rubber Co.

7 years in New Haven p142  
tried to make sails -

BOOKNOTES  
BRIAN P. LAMB  
C-SPAN AIR DATE

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FIRST EDITION

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(Goodyear Hall, Akron),  
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Charles Goodyear - Indian, poverty  
Nathaniel Hayward  
Thomas Hancock  
Horace Day - became rich off of Goodyear



1850s 5 million pairs of shoes a year

1853 Book - Gum Elastic and Its Varieties with  
a detailed Account of Its Application and Uses,  
and of the Discovery of Vulcanization

Life preserver - drew Good. to rubber P200

Book - only 12 copies printed until 1937

Clara - died May 30, 1852 in London

Trav. in Europe

Married Fanny Woodell, 20 - 34 yrs. younger

he was an old 53 - sickly - bedridden much of time  
gout

George Healy - portraits on rubber - he died owing  
him \$7000

Spent 4 days in Paris debtors prison

lived in Bath one yr.

Returned to U.S. May 1858

Came back to get his patent extended

Horace May ready to oppose -

Into Spiritulism

He got 1 year extension on his patent on ~~July~~ <sup>June</sup> 15, 1858

The life perseverer - last mission

Daughter Fanny b. <sup>Apr. 25</sup> 1860

Daughter Cyathus, 32, dies May 3, 1860

He had fathered a dozen children by 2 wives

Goodyear died July 1, 1860 - he was 60 in New York

Undisputed debts \$191,100.73

Owed his brother-in-law William DeForest \$30,000

Thomas Hancock - died 5 years later - at 79  
a wealthy man (14 yrs. older)

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Goodyear spent \$30,000 on Great Exhibition  
in London in 1851



Thomas Hancock - great differences with Goodyear  
6 patents  
weathers better in S.B. good health was dying for 60 yrs

1826 - Hung bag with water - cut it open in 56'  
Medomiac wigwag

b 1786 (byp before Good.) 2nd of 12 children  
invented a grinder for changing rubber chunks to pits - called it a "peckle" p 59 - helped hold the secret  
produced first rubber the world had seen (he was 34)  
the eraser for pencils

Human activity - a prisoner to sunset - no light  
Charles Macintosh - a chemist - wanted tar for its ammonia - into coal sludge - used to obtain ammonia by collecting 3000 gallons of urine in Glasgow - naphtha  
invented waterproof canvas for ships  
natives called this Macintosh

Nathaniel Hayward invents - supt of Eagle  
India Rubber Co. in Wolurn. p 69  
milk fat in Wolurn - they move to rubber  
Secrecy was the by word

Hayward sells factory to Goodyear - mid 1838  
Sulfur added to rubber - great system solved  
Goodyear's process called vulcanization  
mailbags - used & turned to goo



Akron vulcanized rubber patent expired June 15, 1865  
 20 years after

Goodyear Tire and Rubber Co. opened its  
 doors on Nov 21, 1898 - started by  
 Frank Seiberling  
 3 employees

no legal connection between Goodyear  
 and the company

Horace Day

the blimp

Trenton trial of Goodyear & Day  
 Daniel Webster vs. Rufus Choate

after trial -

Webster falls and hits head

cirrhosis of the liver worsens

Webster dies Oct 23, 1852

Children of Fanny  
 Arthur - 1 year old dies in New Haven - b. in Bath  
 Alfred - died in Bath - one month after 1st B-day



Atlantic Justice  
reborn

no facts to face

meeting  
Hamoch / Goddard

some evidence

lived in

Conn.

PENN

NY

MASS

England

France

Washington