

## ALBUM THE EVOLUTION OF THE SNOW PLOW - SPARKING INTEREST IN INVENTIONS

### Album Description

One of my favorite activities from elementary school was one in which I had to decide what I thought the most important invention of the past 100 years was. I was tasked with interviewing older adults, conducting research, and presenting my findings. Engaging students in thinking about how things that may seem simple and normal today (ie. washing machines, cars, televisions, cell phones), is important when teaching about history and how the evolution of technology has affected us.

Inspired by the winter, snow, the recent 1-95 pile-up a couple of weeks ago, and this Tweet, I was curious to research another invention myself: the snowplow. I wanted to see how the machine has evolved over the years and how such an invention has progressed, but also remained stagnant, over time. Obviously, we now have the technology and vehicles to help clear the roads of the beautiful, but dangerous, substance faster; but, incidents such as the ~19-hour pile-up on January 4, 2022, still occur.

Being from the south myself, I have never had to deal with much snow. But after speaking with a friend from Boston about how “under-prepared” DC seems (we both now reside here) during the small fall of snow we had yesterday, it sparked my interest in the evolution of the machine.

The first snow plow patent was issued in 1840, with the first prototype coming into existence in 1862. These vehicles were first pulled by horses through the snowy streets of Milwaukee. Before this, snow was nearly impossible to travel through - besides on foot with durable snowshoes. This delayed mail, travel, education, and access to health care provisions. Snowplowing eventually became more popularized in the US and people were hired during the winters to man the horse-drawn buggies. Eventually, the automobile came into the picture, and that is how we eventually ended up with the vehicles we have today.

Introducing something like this into your classroom on a snow day creates a fun activity where you can discuss important inventions and how they have impacted our lives today. Maybe consider implementing the same project I had years ago, ask students to research an invention, why they think it is important, and what we can learn from that going forward. Please share if you implement this!

## FORD MOTOR CO. SNOW PLOWS



**Reference Link:** <http://www.loc.gov/item/2016825012/>

Created / Published: [between 1910 and 1925]

Genre: Glass negatives

Notes: - Title from unverified data provided by the National Photo Company on the negative or negative sleeve.

- Date from negatives in same range.

- Gift; Herbert A. French; 1947.

- General information about the National Photo Company collection is available at

<http://hdl.loc.gov/loc.pnp/pp.npc>

- This glass negative might show streaks and other blemishes resulting from a natural deterioration in the original coatings.

- Temp. note: Batch seven.

Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: npcc 31576 //hdl.loc.gov/loc.pnp/npcc.31576

## Teaching Notes:



Katy and the Big Snow

You have to add this to your album. I love this story and it would fit so nicely with your sources.

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[https://sites.msudenver.edu/tpswesternregion/wp-content/uploads/sites/476/2021/11/tps\\_logo-1.png](https://sites.msudenver.edu/tpswesternregion/wp-content/uploads/sites/476/2021/11/tps_logo-1.png)

### Teaching Notes:

Found this interesting article on the "History of Snow Removal"  
<https://www.mentalfloss.com/article/32006/scenes-history-snow-removal>

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### **Teaching Notes:**

What a cool way to get students to study history! The Minnesota Transportation Museum has a collection of snowplows. It was one of my son's favorite places as a boy. (We even held his birthday party there one year.)

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### Teaching Notes:

So fun, couldn't help but jump on board! Also added the album to Primary Source Spotlight: Inventors & Inventions.

**ROTARY SNOW PLOW: MONTANA FARMER-STOCKMAN. [VOLUME], DECEMBER 15, 1951,  
PAGE 11, IMAGE 11**



**Reference Link:** <https://chroniclingamerica.loc.gov/lccn/sn86075096/1951-12-15/ed-1/seq-11>

Newspaper: Montana farmer-stockman. [volume] (Great Falls, Mont.) 1947-1993

Newspaper Link: <https://chroniclingamerica.loc.gov/lccn/sn86075096/1951-12-15/ed-1/seq-11>

Image provided by: Montana Historical Society; Helena, MT

PDF Link: <https://chroniclingamerica.loc.gov/lccn/sn86075096/1951-12-15/ed-1/seq-11.pdf>

**SNOW PLOW ADS: MONTANA FARMER-STOCKMAN. [VOLUME], JANUARY 01, 1951, PAGE 31, IMAGE 31**



**Reference Link:** <https://chroniclingamerica.loc.gov/lccn/sn86075096/1951-01-01/ed-1/seq-31>

Newspaper: Montana farmer-stockman. [volume] (Great Falls, Mont.) 1947-1993

Newspaper Link: <https://chroniclingamerica.loc.gov/lccn/sn86075096/1951-01-01/ed-1/seq-31>

Image provided by: Montana Historical Society; Helena, MT

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## **IT'S SNOWING: PLOWING AHEAD WITH PRIMARY SOURCES FROM THE LIBRARY OF CONGRESS**

**A TRAIN SNOW PLOW, WHICH MIGHT AS EASILY BE CALLED A TRAIN SNOW PROW,  
SITS IDLE ON A SUMMER DAY IN GLENWOOD SPRINGS, COLORADO. BUT IT GETS  
PLENTY OF ACTION IN COLORADO'S SNOWY ROCKY MOUNTAINS THAT SURROUND  
THE TOWN**



**Reference Link:** <http://www.loc.gov/item/2015633617/>

Contributor Names: Highsmith, Carol M., 1946-, photographer

Created / Published: 2015-08-04.

Subject Headings: - United States--Colorado--Glenwood Springs

- America

- Train snow plows

Genre: Digital photographs--Color--2010-2020

Notes: - Title, date and keywords based on information provided by the photographer.

- Credit line: Gates Frontiers Fund Colorado Collection within the Carol M. Highsmith Archive, Library of Congress, Prints and Photographs Division.

- Gift; Gates Frontiers Fund; 2015; (DLC/PP-2015:068).

- Forms part of: Gates Frontiers Fund Colorado Collection within the Carol M. Highsmith Archive.

Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: highsm 33602 //hdl.loc.gov/loc.pnp/highsm.33602

## SNOW PLOW DURING STORM, NEW YORK



**Reference Link:** <http://www.loc.gov/item/2014684456/>

Contributor Names: Bain News Service, publisher

Created / Published: 1/15/10 (date created or published later by Bain)

Subject Headings: - New York

Genre: Glass negatives

Notes: - Forms part of: George Grantham Bain Collection (Library of Congress).

- Title from unverified data provided by the Bain News Service on the negatives or caption cards.

- General information about the George Grantham Bain Collection is available at

<http://hdl.loc.gov/loc.pnp/pp.ggbain>

Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: ggbain 04462 //hdl.loc.gov/loc.pnp/ggbain.04462

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## SCENES FROM THE HISTORY OF SNOW REMOVAL

**[COLORADO. SNOW SHED AND SNOW PLOW. HAGERMAN PASS. PLOW ATTACHED TO LOCOMOTIVE.]**



**Reference Link:** <http://www.loc.gov/item/2018653694/>

Created / Published: c1905.

Notes: - Photo by Detroit Co.

- This record contains unverified, old data from caption card.

- Caption card tracings: Shelf.

Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: cph 3a30113 //hdl.loc.gov/loc.pnp/cph.3a30113

## SNOW PLOW IN FIELD IN MICHIGAN



**Reference Link:** <http://www.loc.gov/item/2014680170/>

Contributor Names: Bain News Service, publisher

Created / Published: [no date recorded on caption card]

Subject Headings: - Michigan

Genre: Glass negatives

Notes: - Forms part of: George Grantham Bain Collection (Library of Congress).

- Title from unverified data provided by the Bain News Service on the negatives or caption cards.

- General information about the George Grantham Bain Collection is available at

<http://hdl.loc.gov/loc.pnp/pp.ggbain>

Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: ggbain 00172 //hdl.loc.gov/loc.pnp/ggbain.00172

## SNOW PLOW OF THE CENTRAL PACIFIC R.R. COMPANY - NEAR CISCO



1263. Snow Plow of the Central Pacific Railroad Co.  
Near Cisco.

**Reference Link:** <http://www.loc.gov/item/2002721309/>

**Contributor Names:** Lawrence & Houseworth, publisher

**Created / Published:** [published 1866]

**Notes:** - The Library holds only one photo from a pair published as a stereographic view.

- Gems of California scenery, no. 1263.

- LOT subdivision subject: Central Pacific Railroad Equipment and Tracks on Donner Pass Route.

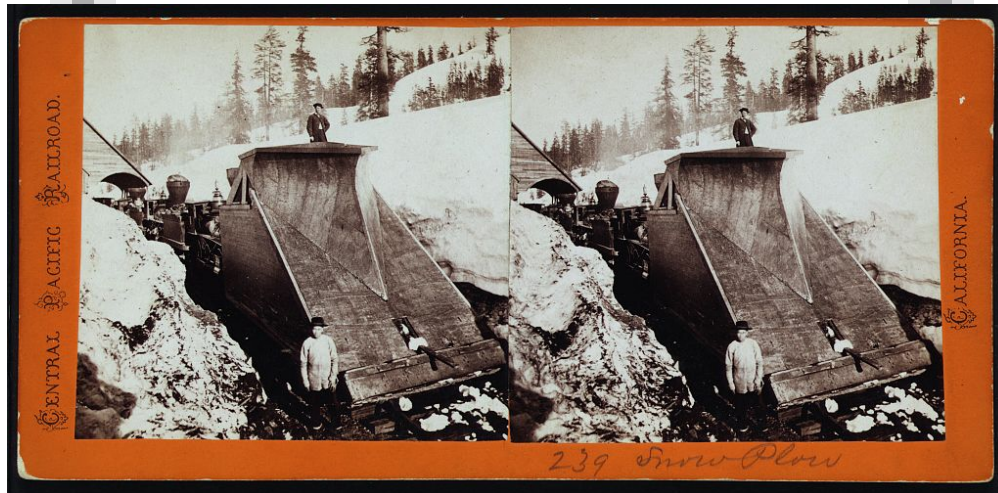
- This record contains unverified old data from caption card.

**Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

**Digital Id:** cph 3a27839 //hdl.loc.gov/loc.pnp/cph.3a27839



## SNOW PLOW



### Teaching Notes:

Stereograph

**Reference Link:** <http://www.loc.gov/item/2005683033/>

Contributor Names: Hart, Alfred A., 1816-1908, photographer

Created / Published: Sacramento, Calif. : Golden State Photographic Gallery, [between 1865 and 1869]

Notes: - No. 239.

- Title from item.

- Part of series: Central Pacific Railroad, California. Scenes in the Sierra Nevada Mountains.

Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

Digital Id: stereo 1s00570 <http://hdl.loc.gov/loc.pnp/stereo.1s00570>

stereo 2s00570 <http://hdl.loc.gov/loc.pnp/stereo.2s00570>

cph 3b04803 <http://hdl.loc.gov/loc.pnp/cph.3b04803>



## SNOW PLOW



**Reference Link:** <http://www.loc.gov/item/2004662076/>

**Summary:** Drawing shows a man carrying a scythe walking past a large wooden snow plow leaning against rocks. Bayard Taylor traveled through Norway and Scandinavia in 1856 and 1857, after the death of his first wife.

**Contributor Names:** Taylor, Bayard, 1825-1878, artist

**Created / Published:** [between 1856 and 1857]

**Subject Headings:** - Snow plows--Norway--1850-1860  
- Norway

**Notes:** - Inscribed upper left: No. 11, p. 11; small.

- Gift; Charles F. Heartman; 1922; (DLC/PP-46411a).

**Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

**Digital Id:** ppmsca 22854 //hdl.loc.gov/loc.pnp/ppmsca.22854

## CLEARING ROAD WITH SNOW PLOWS NEAR BERLIN, NEW HAMPSHIRE



**Reference Link:** <http://www.loc.gov/resource/fsa.8c11848/>

**Contributor Names:** Wolcott, Marion Post, 1910-1990, photographer

**Created / Published:** 1940 Mar.

**Subject Headings:** - United States--New Hampshire--Coos County--Berlin

**Genre:** Safety film negatives

**Notes:** - Title and other information from caption card.

- Transfer; United States. Office of War Information. Overseas Picture Division. Washington Division; 1944.

- More information about the FSA/OWI Collection is available at <http://hdl.loc.gov/loc.pnp/pp.fsaowi>

- Temp. note: usf34batch6

- Film copy on SIS roll 6, frame 949.

**Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

**Digital Id:** fsa 8c11848 //hdl.loc.gov/loc.pnp/fsa.8c11848

**MOTOR LOCOMOTIVE OF RAILROAD EQUIPED WITH SNOW PLOW. DURANGO,  
COLORADO**



**Reference Link:** <http://www.loc.gov/item/2017787958/>

Contributor Names: Lee, Russell, 1903-1986, photographer

Created / Published: 1940 Sept.

Subject Headings: - United States--Colorado--La Plata County--Durango

Genre: Safety film negatives

Notes: - Title and other information from caption card.

- Transfer; United States. Office of War Information. Overseas Picture Division. Washington Division; 1944.

- More information about the FSA/OWI Collection is available at <http://hdl.loc.gov/loc.pnp/pp.fsaowi>

- Temp. note: usf34batch4

- Film copy on SIS roll 24, frame 2632.

Repository: Library of Congress Prints & Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: fsa 8b26361 //hdl.loc.gov/loc.pnp/fsa.8b26361

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**HERE'S HOW MAINERS REMOVED SNOW IN THE EARLY 1900S READ MORE: HERE'S  
HOW MAINERS REMOVED SNOW IN THE EARLY 1900S**

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## **A BRIEF HISTORY OF SNOW REMOVAL**