TRAFFIC LIGHTS

A G U I D E

HANNAH PARK

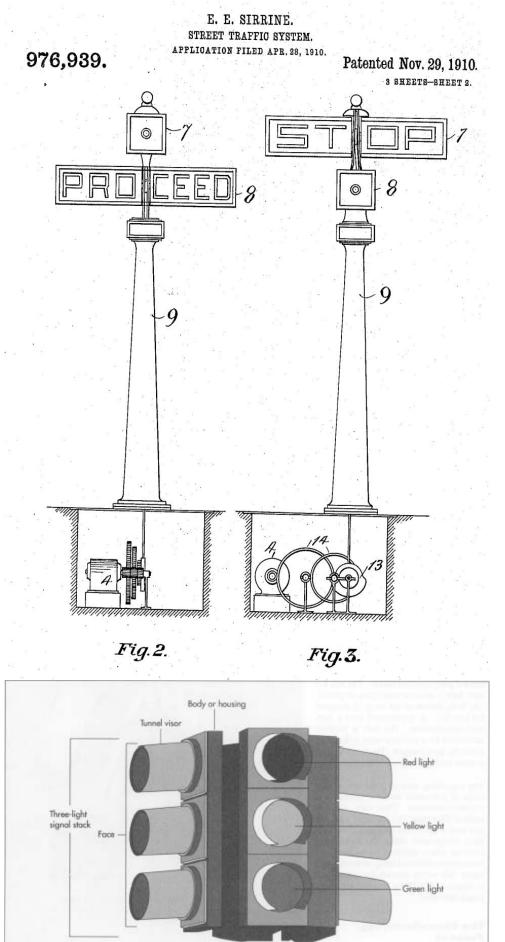
an overview

KEY TERMS

- traffic lights
- traffic signals
- traffic lamps
- traffic semaphore
- signal lights
- stop lights
- intersections
- pedestrians
- lane control
- face
- pole mount
- lenses
- red // yellow // green

Nowadays, the red, yellow, and green glow of traffic lights are found everywhere across the world. They are embedded so deeply into the foundation of cities and streets that drivers and pedestrians are usually unaware of its essential role in a complex traffic system. However, this ubiquitous invention comes with years of early prototypes and design refinements that are still worked on today.

components // history



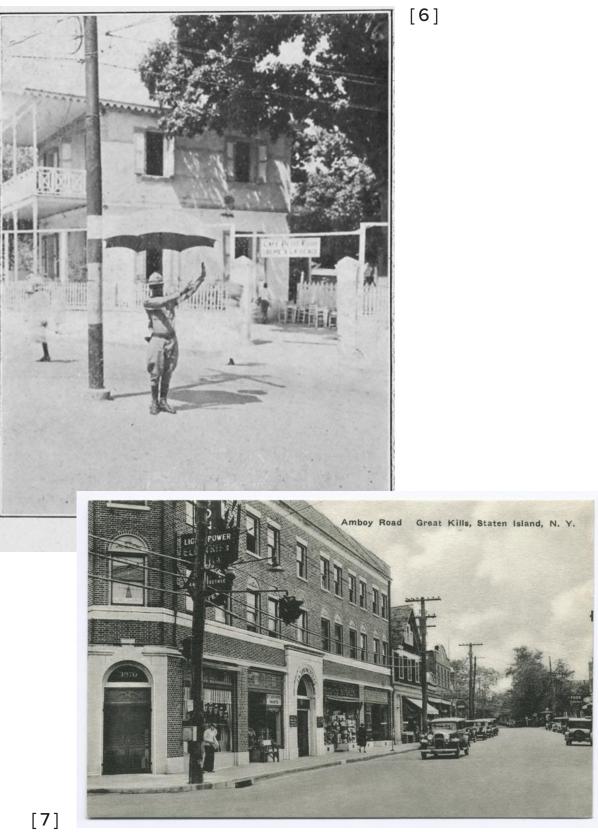
THEN [1]

NOW [2]



traffic before signal lights [3]









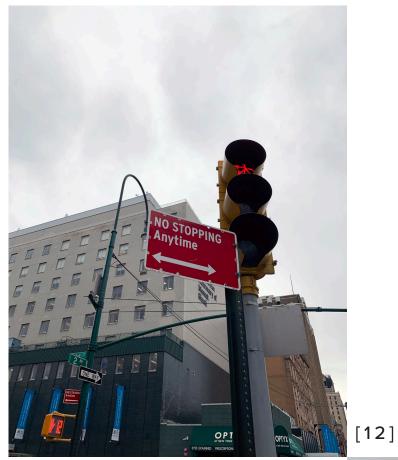






[11]

my photographs

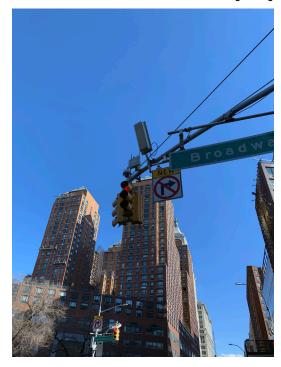


new york city



new york city

[14]







[15]

around the world

a sia



korea [17]



japan [18]





korea [20]



japan [**21**]

japan [19]



copenhagen [23]

geneva [22]

europe

europe





berlin [25]

prague [26]

europe



london [27]



belfast [28]



urtrecht [29]



berlin [30]



brussels [31]



berlin [32]

europe

<image>



new york [33]

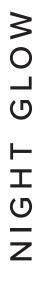
new york [34]

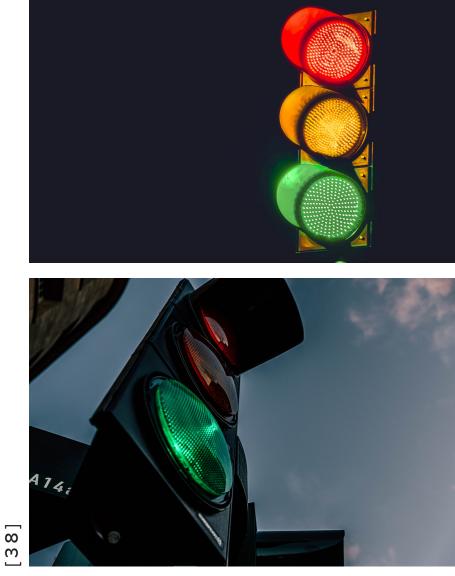


new york [35]

north america

additional





[37]

1

[36]



[39]



[40]



[41]





london art [43]



[44]

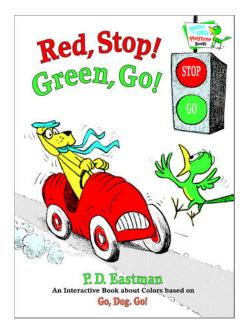


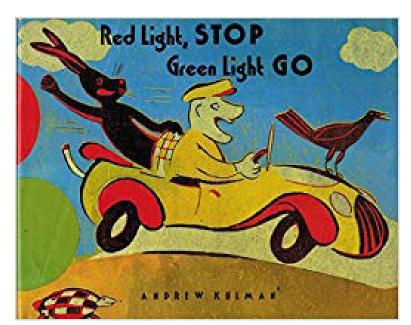




[46]

culture





book 1 [47]

book 2 [48]



song [49]



CITATIONS

- U.S. Patent Office. Ernest Stirrine's patent drawing for his traffic signal. Digital Image. Live Science. Dec 16, 2016. https://www.livescience.com/57231-who-invented-the-traffic-light.html
- [2] Madehow. "Major components of a traffic signal." Digital Image. How Products are Made. Accessed in 2020. http://www.madehow.com/Volume-2/ Traffic-Signal.html
- [3] IDriveSafely. Traffic Jams. Digital Image. IDriveSafely. Accessed in 2020. https://www.idrivesafely.com/defensive-driving/trending/history-and-mean ing-colored-traffic-lights
- [4] Schomburg Center for Research in Black Culture, Photographs and Prints Divi sion, The New York Public Library. "Traffic Policeman Helping Children to Cross the Street." New York Public Library Digital Collections. Accessed March 3, 2020. http://digitalcollections.nypl.org/items/5e66b3e9-2366-d471e040-e00a180654d7
- [5] The Miriam and Ira D. Wallach Division of Art, Prints and Photographs: Picture Collection, The New York Public Library. "Mounted Police Officer In Traf fic, New York City." New York Public Library Digital Collections. Accessed March 3, 2020. http://digitalcollections.nypl.org/items/510d47e1-068b-a3d9e040-e00a18064a99
- [6] Schomburg Center for Research in Black Culture, Jean Blackwell Hutson Re search and Reference Division, The New York Public Library. "Gendarme reglementant la circulation." New York Public Library Digital Collections. Accessed February 19, 2020. http://digitalcollections.nypl.org/ items/510d47df-a738-a3d9-e040-e00a18064a99

- [7] Irma and Paul Milstein Division of United States History, Local History and Gene alogy, The New York Public Library. "Amboy Road, Great Kills, Staten Island, N.Y. [old cars in street, shops and sign behind telephone pole that appears to be 'Light, Power... Gas...Electric']" New York Public Library Digi tal Collections. Accessed February 19, 2020. http://digitalcollections.nypl.org/ items/510d47d9-ca23-a3d9-e040-e00a18064a99
- [8] Getty Images. "Photo of Commissioner Grover Whalen, along with a crowd of others, examining the new signal posts at 57th Street and 5th Avenue." Dig ital Image. Artsy. Oct. 17, 2017. https://www.artsy.net/article/artsy-editorial-his tory-traffic-lights
- [9] Waycare. Old Traffic Light. Digital Image. Waycare. June 13, 2018. https://waycaretech.com/blog/traffic-lights-short-history/#_ftnref1
- [10] Library of Congress. "A newsboy's stand and traffic light in Los Angeles, 1942." Digital Image. Smithsonian Magazine. May 2018. https://www.smithsonianmag. com/innovation/brief-history-stoplight-180968734/
- [11] The Miriam and Ira D. Wallach Division of Art, Prints and Photographs: Photog raphy Collection, The New York Public Library. "Painting traffic lights, Taylor, Texas" New York Public Library Digital Collections. Accessed Febru ary 19, 2020. http://digitalcollections.nypl.org/items/0a368e70-e1f0-0136-9fe1-69177eab9140
- [12] Park, Hannah. "No Stopping Anytime." New York City, Feb. 18, 2020.
- [13] Park, Hannah. "Security Camera." New York City, Feb. 18, 2020.
- [14] Park, Hannah. "Broadway 1." New York City, Feb. 18, 2020.
- [15] Park, Hannah. "Broadway 2." New York City, Feb. 18, 2020.
- [16] Park, Hannah. "Traffic." New York City, Feb. 18, 2020.

- [17] Jang, Chulhoon. "Traffic Light Dataset in Korea (TL-Seoul) by ACE Lab." Digital Image. Youtube. Nov. 27, 2018. https://youtu.be/g6z0Ea7yGIM
- [18] Flickr. "Do not pass go: The "green" of Japanese traffic lights is sometimes pushed closer to the blue spectrum." Digital Image. Japan Times. Feb. 25, 2013. https://www.japantimes.co.jp/life/2013/02/25/language/the-japanesetraffic-light-blues-stop-on-red-go-on-what/#.XI3nHJNKg6V
- [19] Salaryman/Shutterstock. Blue Traffic Light. Digital Image. Reader's Digest. Accessed in 2020. https://www.rd.com/culture/heres-japan-blue-traffic-lights/
- [20] Yonhap News. "The new traffic signal system installed at a Gwanghwamun intersection in central Seoul, Monday." Digital Image. The Korea Herald. Apr. 28, 2011. http://www.koreaherald.com/view.php?ud=20110428000954
- [21] Kappa, John. "Looking up at traffic lights in Shibuya Japan. Digital Image. Unsplash. July 24, 2019. https://unsplash.com/photos/nizngWRh-Yc/info
- [22] NON. Traffic Signal in Geneva, Switzerland. Digital Image. Unsplash. June 27, 2018. https://unsplash.com/photos/Vs67ielZk-4
- [23] The Telegraph. "Wellington." Digital Image. The Telegraph. June 30, 2017. https://www.telegraph.co.uk/travel/galleries/weird-and-wonderful-trafficlights-from-around-the-world/wellington/
- [24] NON. Traffic Light in Brussels, Belgium. Digital Image. Unsplash. Oct. 8, 2018. https://unsplash.com/photos/D0nGp2Utyek
- [25] Reiner, Tobias. Pedestrian Signal in Berlin, Germany. Digital Image. Unsplash. Apr.29, 2019. https://unsplash.com/photos/x9TDnDg4jhc
- [26] Grünbauer, Tom. Signal in Prague, Czech Republic. Digital Image. Unsplash. June 4, 2019. https://unsplash.com/photos/JKwxYWW2rcU/info

- [27] Bonilla, Rafa G. "Gender traffic light, London." Digital Image. Unsplash. Sept. 4, 2019. https://unsplash.com/photos/yKQr5MTNmhs
- [28] Hodge, K. Mitch. "Since I was the model for Green Guy this is a self-portrait, Belfast, Northern Ireland." Digital Image. Unsplash. Aug. 9, 2019. https://un splash.com/photos/5XrFWyYdHBM
- [29] The Telegraph. "Miffy." Digital Image. The Telegraph. June 30, 2017. https://www.telegraph.co.uk/travel/galleries/weird-and-wonderful-trafficlights-from-around-the-world/miffy/
- [30] The Telegraph. "Ampelmann." Digital Image. The Telegraph. June 30, 2017. https://www.telegraph.co.uk/travel/galleries/weird-and-wonderful-trafficlights-from-around-the-world/ampelmann/
- [31] Facebook. "'Go vegan' and 'stop meat.'" Digital Image. PlantBased News. Feb.
 16, 2019. https://www.plantbasednews.org/news/traffic-lights-encourag
 ing-people-go-vegan
- [32] Probst, Michael. Elvis Traffic Lights. Digital Image. The Associated Press. Dec.
 6, 2018. https://www.wifr.com/content/news/Berlin-installs-traffic-lights-in-trib ute-of-Elvis-Presley-502087171.html
- [33] Krupa, Pat. Traffic Signal in New York. Digital Image. Unsplash. Nov. 28, 2018. https://unsplash.com/photos/0f0A9WFGCSw
- [34] Verleene, Thomas. "New York 2k19." Digital Image. Unsplash. Jan. 12, 2020. https://unsplash.com/photos/M9uTro900mg
- [35] The New York Times. History of Traffic Lights. Digital Image. The New York Times. May 16, 2014. https://www.nytimes.com/2014/05/18/realestate/ahistory-of-new-york-traffic-lights.html

- [36] Zimmermann, Lucas. Traffic Light Glow. Digital Image. Smithsonian Maga zine. May 2018. https://www.smithsonianmag.com/innovation/brief-his tory-stoplight-180968734/
- [37] Desai, Harshal. Traffic Light at Night. Digital Image. Unsplash. Jan. 1, 2019. https://unsplash.com/photos/0hClrw8dVfE
- [38] Kindler, Moritz. Traffic Light in Hamburg. Digital Image. Unsplash. Sept. 22, 2019. https://unsplash.com/photos/7TeeZqR52Yk
- [39] Mühlberger, Mark. Square Traffic Light. Digital Image. Unsplash. Nov. 21, 2018. https://unsplash.com/photos/mMVbQYEI1DQ/info
- [40] Müller, Jana. Bicycle Traffic Light. Digital Image. Unsplash. Oct. 28, 2019. https://unsplash.com/photos/tjDHhOfGAIY
- [41] Dash, Shrimay. "Astray." Digital Image. Unsplash. Jan. 18, 2020. https://unsplash.com/photos/1P7gx7sofjA
- [42] Yanko Design. Emergency Traffic System. Digital Image. Yanko Design. Jan 16, 2019. https://www.yankodesign.com/2019/01/16/the-lifesaving-traffic-light/
- [43] Baloncici. London Traffic Light Art. Digital Image. Live Science. Dec 16, 2016. https://www.livescience.com/57231-who-invented-the-traffic-light.html
- [44] Lightrocket. Yellow Traffic Lights. Digital Image. New York Post. Apr. 10, 2019. https://nypost.com/2019/04/10/nyc-wireless-network-down-due-to-y2k-likesoftware-bug/
- [45] Iñiguez, Carlos Alberto Gómez. Traffic Light in Poza Rica de Hidalgo, Mexico. Digital Image. Unsplash. May 7, 2017. https://unsplash.com/photos/jqiAU_ JQGyk

- [46] Gouw, Tim. "Traffic lights on a pole." Digital Image. Unsplash. Aug. 24, 2016. https://unsplash.com/photos/_U-x3_FYxfl
- [47] Eastman, P.D. "Red, Stop! Green, Go!" P.D. Eastman, Random House Books for Young Readers, 2004, Front Cover.
- [48] Kulman, Andrew. Red Light, STOP Green Light GO. Simon & Schuster Children's Publishing, 1993. Front Cover.
- [49] Super Simple Songs. "Red Light Green LightlSuper Simple Songs." Digital Im age. Youtube. July 26, 2018. https://youtu.be/xoyEDrMDirA
- [50] Stewart, Deborah. Children Playing Red Light Green Light. Digital Image. Teach Preschool. Accessed in 2020. https://teachpreschool.org/2012/05/22/how-toplay-red-light-green-light/