## Mass produced images of the 19th century



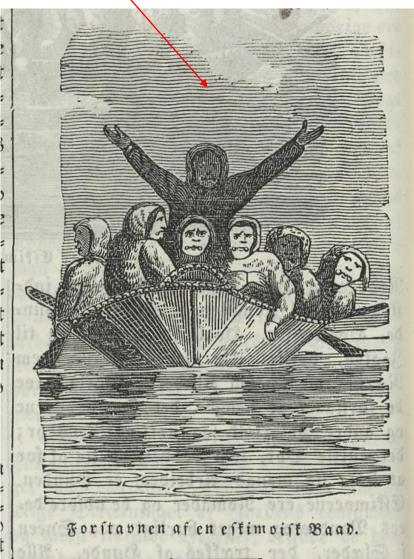
**105 of a total of 154** images extracted from The Norwegian Children's magazine *Billed-Magazin for Børn* (1838-1839)



From *Skilling-Magazin* (1836)



From *Billed-magazin for børn* (1838). Two illustrations printed on opposite pages.







**Reproduced images** An illustration printed in *Billed-Magazin for Børn* (1838), and in a book for young readers, *Naturfaglære for ungdommen* (same year), can be traced to another Norwegian magazine by the same publishers, the *Skilling-Magazin* (1835) and back to *The Penny Magazine* (1833).

By pursuing mass-produced images, both to their origin and to the various publications to which they were disseminated, a map can possible be drawn that illustrate the patterns of cooperation and trade among the publishers of the time. NB digital or The digital book-shelf is a service that offers online access to nearly every book published in Norway before year 2000, many of which are still protected by copyright. An agreement between the National Library of Norway and the reproduction rights organization Kopinor ensures compensation to the right holders.

## Method:

**Digitization:** Background: The files produced to NB digital are presented as images. **Image extraction**: A script was written to isolate images from text. **Image recognition**: The images were tested in various reverse image search engines.