



HOKKAIDO UNIVERSITY

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Visualizing historical college charts delivered from the West to Japan in 19th and 20th centuries. ~Their impacts and findings~

Yoko Kodama / Hokkaido University Library

Introduction

For the past two years, we have been exploring the educational charts of our college collection. 320 “Large-scaled charts” and 400 “Scrolls” were crafted presumably in the late 19th and early 20th century and presumably introduced in the classroom in those days.

Hokkaido university, established as Sapporo Agricultural College, has a long history and will celebrate 150th anniversary this year. As a nature of agricultural college, collection includes many educational charts and maps especially in the field of forestry such as “logging operation of trees” and “agricultural machinery and tools”.

Analysis

More than 60 hand-drawn materials are included in this collection. The notablest ones are 12 Agricultural Hoes of every district of Japan. The pictures are fixed with wooden sticks at upper and lower part and written on the cloth in black ink. The author was Professor Oizumi at Sapporo Agricultural College.* We made the catalogue of title, author, creation date, image, size, registration number and library stamp. In 20th century, we can see several colorful and vivid printed materials. Also, there are a couple of graphic materials called “Physiological Diagram, produced under the Direction of John Marshall”

*Shigeyasu Ikegami ""A collection of hoes preserved by the Former Second Farm, Hokkaido University Museum" *Annual Report of Hokkaido University Archives* 009 Vol.4, 56-82



No.147 Hoe Ishikawa Prefecture,
Shimane Prefecture
Library Stamp: Sapporo Agricultural College
(1876-1907)
Size : 122 × 100 (cm)



No.111 Hoe Osaka Prefecture, Nara
Prefecture
Library Stamp: Sapporo Agricultural College
(1876-1907)
Size : 158 × 103 (cm)



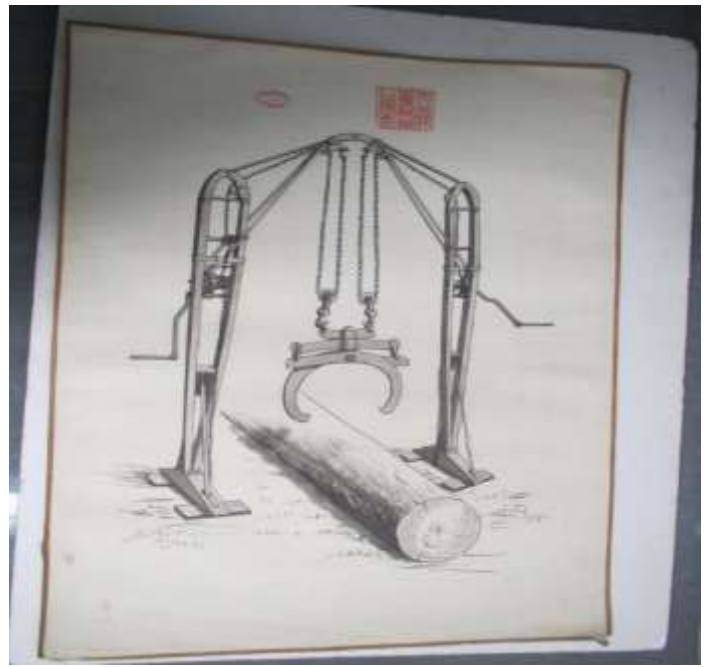
No.116 Hoe Gunma Prefecture, Aichi Prefecture
Shizuoka Prefecture, Gifu
Prefecture, Kanagawa Prefecture
Library Stamp: Sapporo Agricultural College
(1876-1907)
Size : 180 × 98 (cm)



No.70 Algae I
Library Stamp: Sapporo Agricultural
College (1876-1907)
Size : 128 × 88 (cm)



No.15 Annual rings
Used at Department. of Agriculture
1907-1931(?)
Size : 69 × 102 (cm)



No.48 Forest management tool
Used at Department of Agriculture
1907-1931(?)
Size : 69 × 102 (cm)



No.169 Natural history illustration
no.1/ Ministry of Education
1873
Library Stamp: Kaitakushi Library
Size : 78 × 56 (cm)



No.164 Fuchu / Geological Survey
of Japan 1930
Library Stamp: Library of Hokkaido
Imperial University
Size : 54 × 81 (cm)

Findings

Wallcharts were used widely especially in Germany in late 19th century. The invention of lithography contributed significantly to a production of wallcharts. Also, the number of students at school had increased rapidly during the time and they needed these charts at classroom.**

We found out that these charts had synchronized the history of the university, representing the classroom at that time. Moreover, there are similar charts at other universities such as University of Tokyo, University of Kyoto and University of Kanazawa.

**Massimiano Bucchi "Science in the Classroom: The Age of Wallcharts (1850-1920)" *BJHS*, 1998, 31, 161-84