

# Cover Image: Improvements in Microscopes

A visual from the 1899 patent by John W. Sidle and William H. Sidle, featured on our journal's cover, highlights an important development in microscope design and functionality.

**Patent No:** US617007A

**Patent Title:** Improvements in Microscopes

**Patent Holders:** John W. Sidle, William H. Sidle

**Patent Date:** January 3, 1899

**Objective:** To develop a compact, durable, and functional substage mechanism; to introduce an improved diaphragm design.

## Main Innovations:

- Enabling all necessary adjustments on the substage without detaching any parts of the device.
- A simplified diaphragm structure with reduced risk of malfunction.
- Historical Context: By the late 19th century, microscopes were essential tools in scientific research. This patent represents a significant effort to improve microscope functionality and user-friendliness.

## Link for the patent document:

<https://patents.google.com/patent/US617007A/en?q=US617007A>

