Franklin Institute.

[*Proceedings of the stated meeting, held Wednesday, Oct. 21, 1891.*]

HALL OF THE FRANKLIN INSTITUTE,
PHILADELPHIA, October 21, 1891.

Mr. JOS. M. WILSON, President, in the chair.

Present, 126 members and sixteen visitors.

Additions to membership since last report, twenty-four.

The Secretary presented a memorial of the late Mr. Louis H. Spellier, which was accepted and referred to the Committee on Publications.

Mr. C. M. Lungren, of New York, read a paper descriptive of a new incandescent gas light of his invention, illustrating the same by showing a number of the lights in operation. The light is produced by the incandescence of a thimble-shaped burner, about two inches high and one and one-half inches in diameter at the bottom, formed of interlaced or woven threads composed of the rare earths, thoria, zirconia, etc. These threads have a thickness of about $\frac{1}{100}$ of an inch. The burner is used with fuel gas, or ordinary illuminating gas rendered non-luminous. It is mounted upon a suitable attachment for effecting the proper mixture of gas and air. The burner is intended principally for domestic service.

Mr. Lungren's paper was referred for publication.

Mr. F. Lynwood Garrison followed with some remarks on the progress of the manufacture of tin plate in the United States.

Mr. Swan, of London, England, exhibited a number of specimens of photographs, made by an improved process of his devising, and gave a brief account of the history of the art leading up to his improvements. The specimens attracted much attention and comment, as being of unusual merit.

The Secretary, in his report, commented unfavorably upon the claims made in behalf of the experiments at present being made under the direction of the Department of Agriculture, for the artificial production of rain by means of explosions of considerable masses of dynamite, etc., in mid-air.

Mr. W. N. Jennings continued the exhibition of his series of local pictures.

Adjourned.

WM. H. WAHL, *Secretary.*