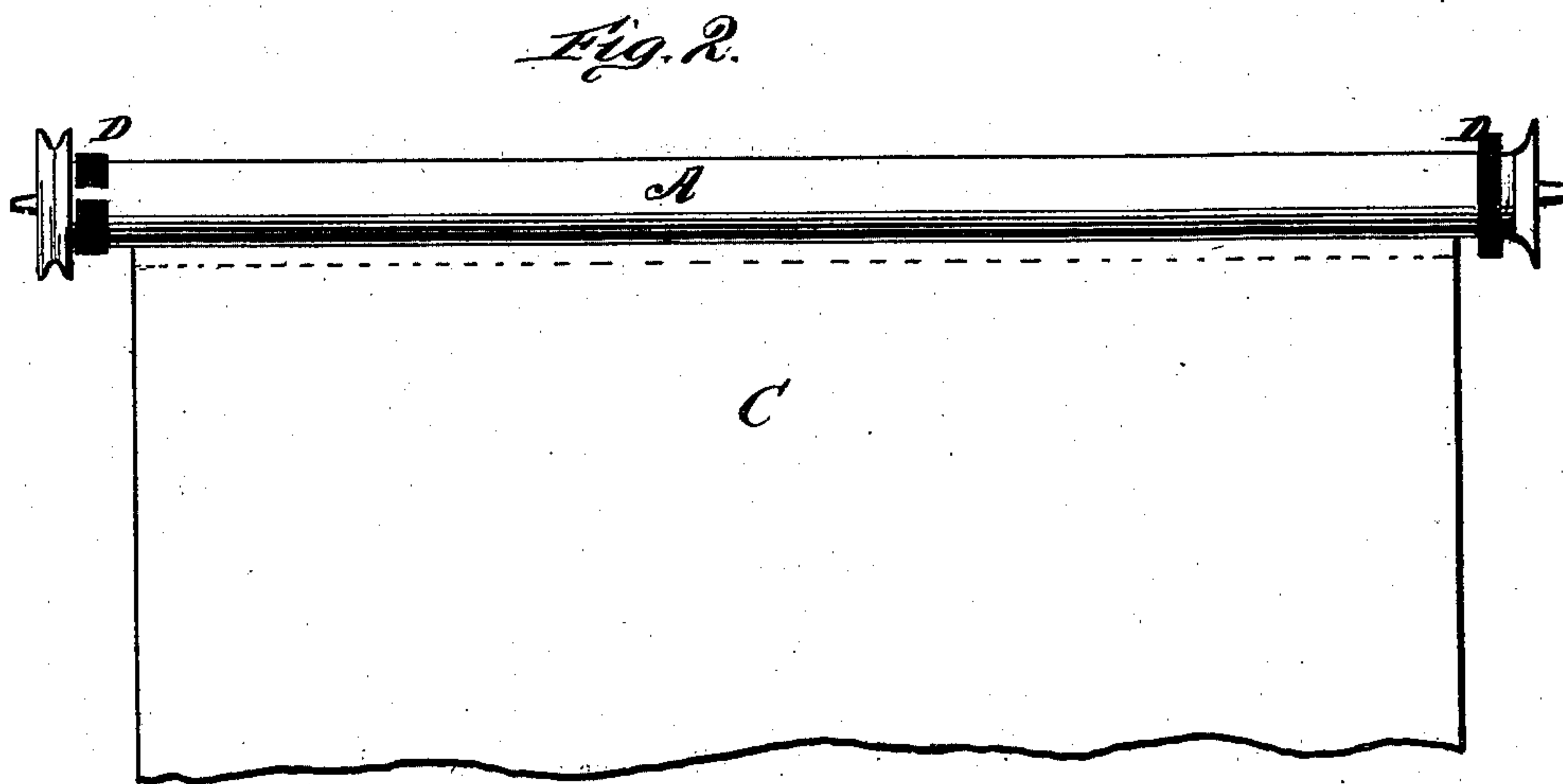
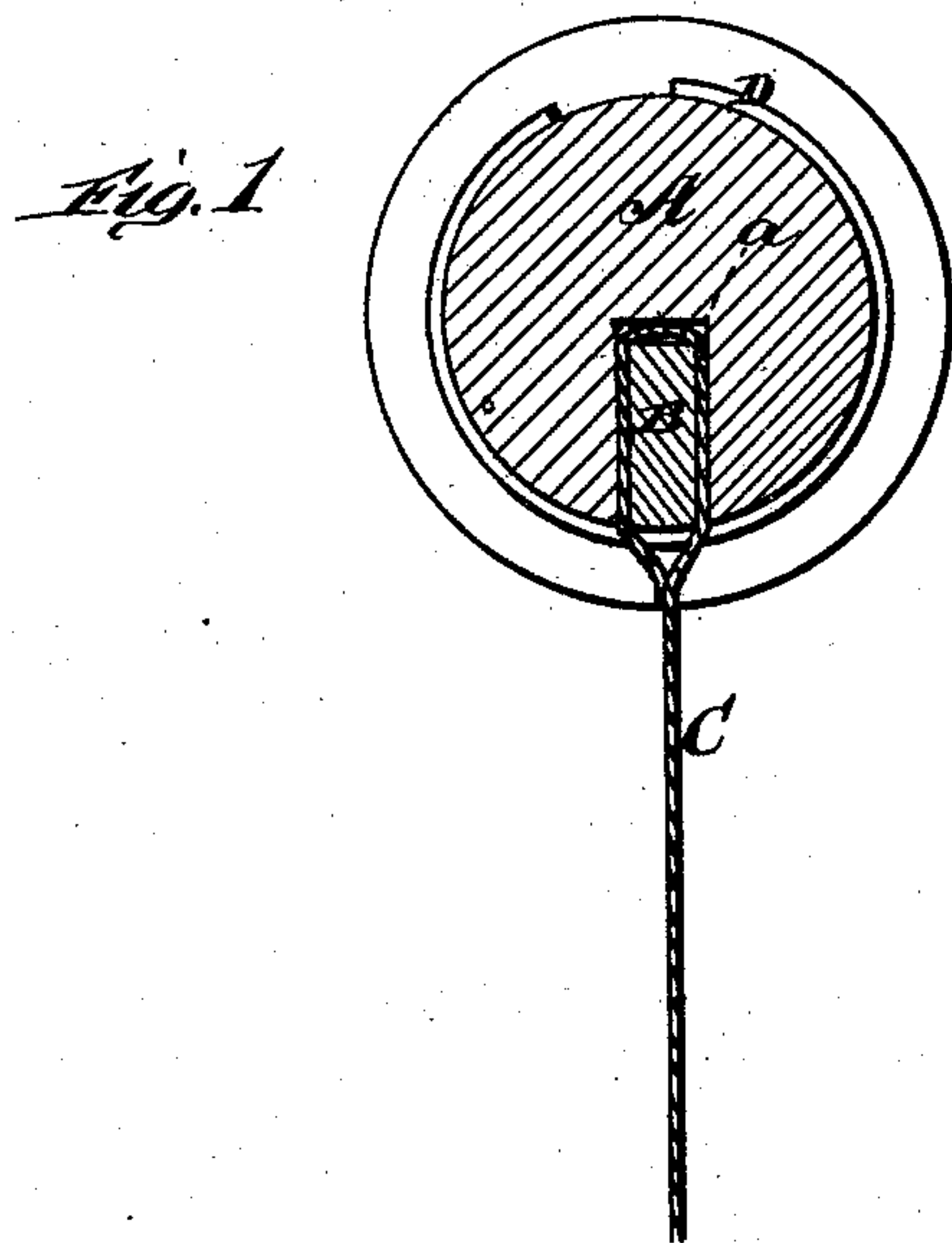


C. J. ORTMANN & G. KAMPF.
Curtain-Roller.

No. 203,759.

Patented May 14, 1878.



WITNESSES

Robert Emmett
James J. Sherry

INVENTORS.

Charles J. Ortman.
George Kampf.
Frederic Smith.
ATTORNEYS,

UNITED STATES PATENT OFFICE.

CHARLES J. ORTMANN AND GEORGE KAMPF, OF WHITESBOROUGH, N. Y.

IMPROVEMENT IN CURTAIN-ROLLERS.

Specification forming part of Letters Patent No. **203,759**, dated May 14, 1878; application filed April 6, 1878.

To all whom it may concern:

Be it known that we, CHARLES J. ORTMANN and GEORGE KAMPF, of Whitesborough, in the county of Oneida and State of New York, have invented a new and valuable Improvement in Curtain-Fixtures; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a transverse vertical section of our curtain-fixture, and Fig. 2 is a front view thereof.

Our invention relates to curtain-rollers; and it consists in the devices for attaching the curtain to the roller, as will be hereinafter more fully set forth, and pointed out in the claim.

Heretofore rollers for receiving the curtain have been made in sections—that is to say, semi-cylindrical—and united by metallic end caps, forming a slit, through which the curtain is passed. This construction of a curtain-roller is expensive and complicated.

The object of our improvement is to provide a cheap and simple device for securing the curtain to the roller, and that will permit being readily removed for washing, &c., without injury to the fabric or roller.

The annexed drawing, to which reference is made, fully illustrates our invention.

A represents an ordinary solid curtain-roller, formed with a longitudinal groove, *a*, of suitable width and depth, on one side. In this groove is fitted a stick or strip of wood, B, which is first passed through a loop sewed on

the end of the curtain C, as shown in Fig. 1 of the drawings. After the strip B, with curtain, is inserted in the groove in the roller it is held therein by means of a spring, D, on each end. This spring may either be in the form of a heavy rubber band or a flat metal spring bent in circular form.

By these means the curtain can be easily and quickly removed from the roller for washing or other purposes, and put on again when required, also saving the curtain from being torn by tacks, &c.

We are aware that a curtain or shade roller has been constructed with a longitudinal groove for the reception of a lath, to which the curtain is attached, the said lath being retained in its seat by the extension of its end within or under the caps of the roller; also, that metal clips have been used for holding the curtain to the outer face of the roller, and therefore no broad claim is made to such devices, *per se*; but

What we claim as new, and desire to secure by Letters Patent, is—

The improved curtain-roller consisting of the solid roller A, with the longitudinal groove *a*, the stick B, and spring-bands D D, as shown and described.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

CHARLES JAS. ORTMANN.
GEO. KAMPF.

Witnesses:

W. M. JONES,
D. J. EVANS.