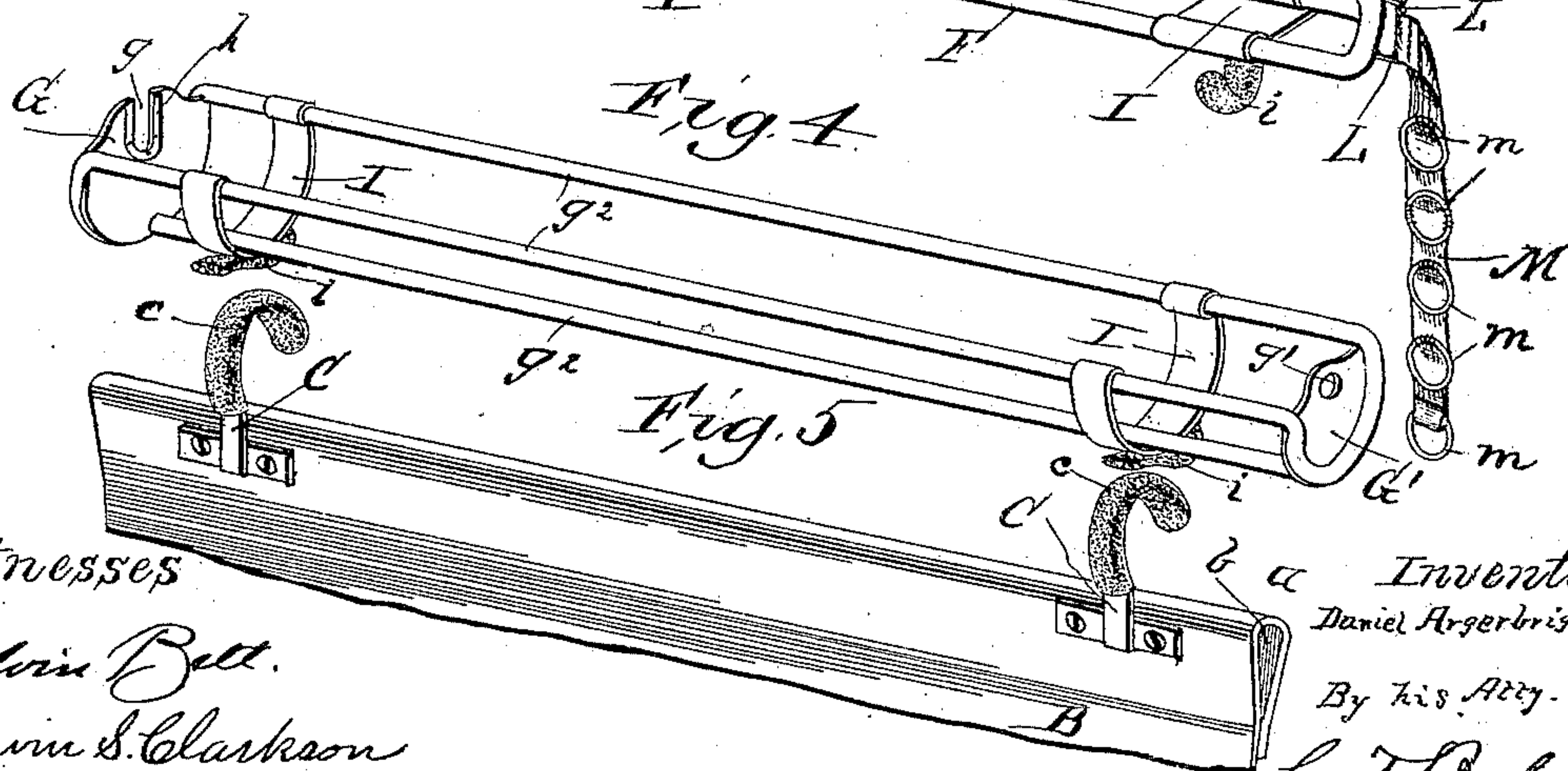
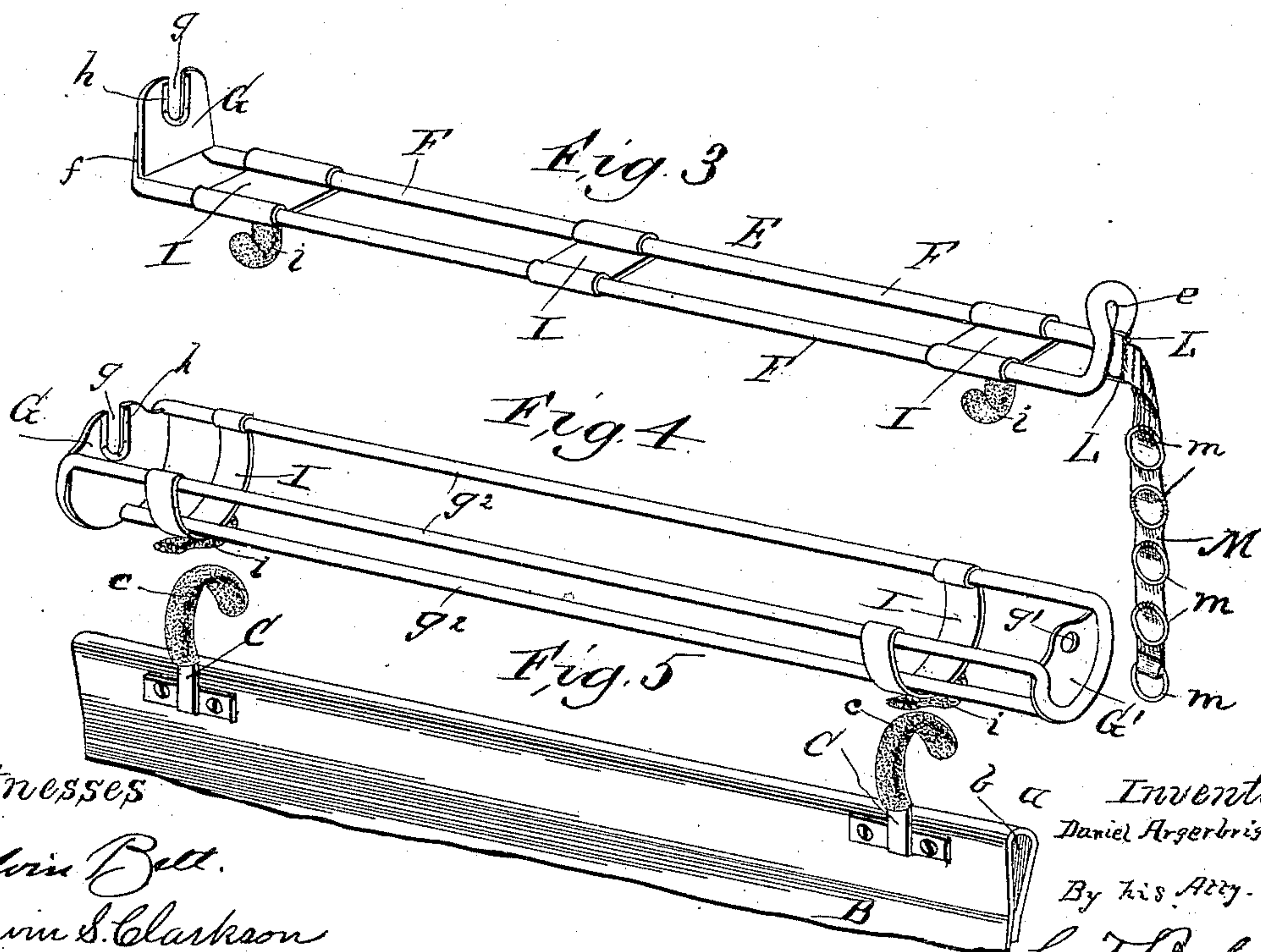
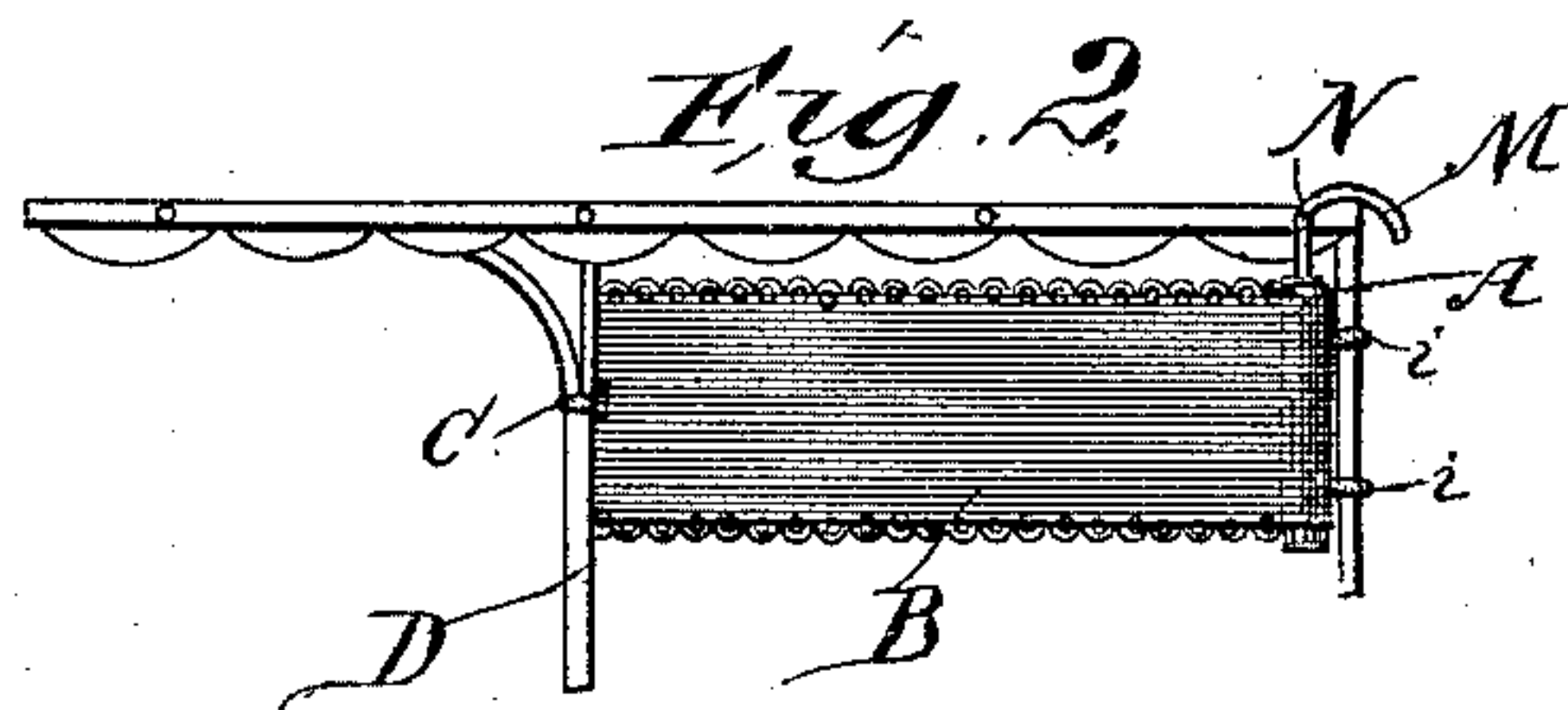
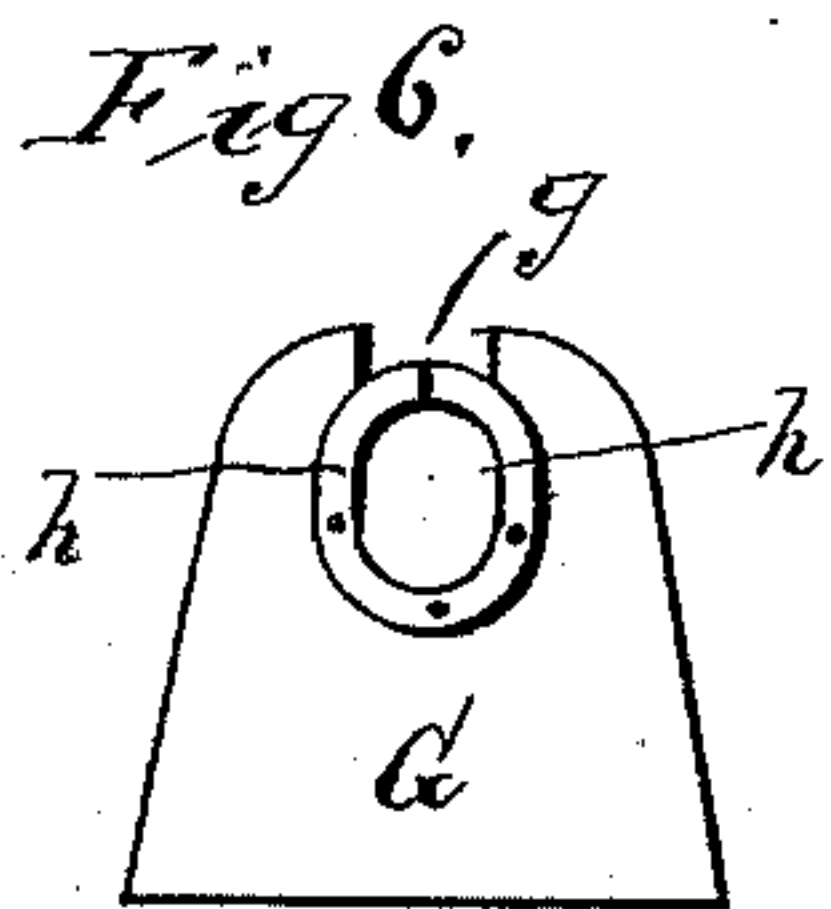
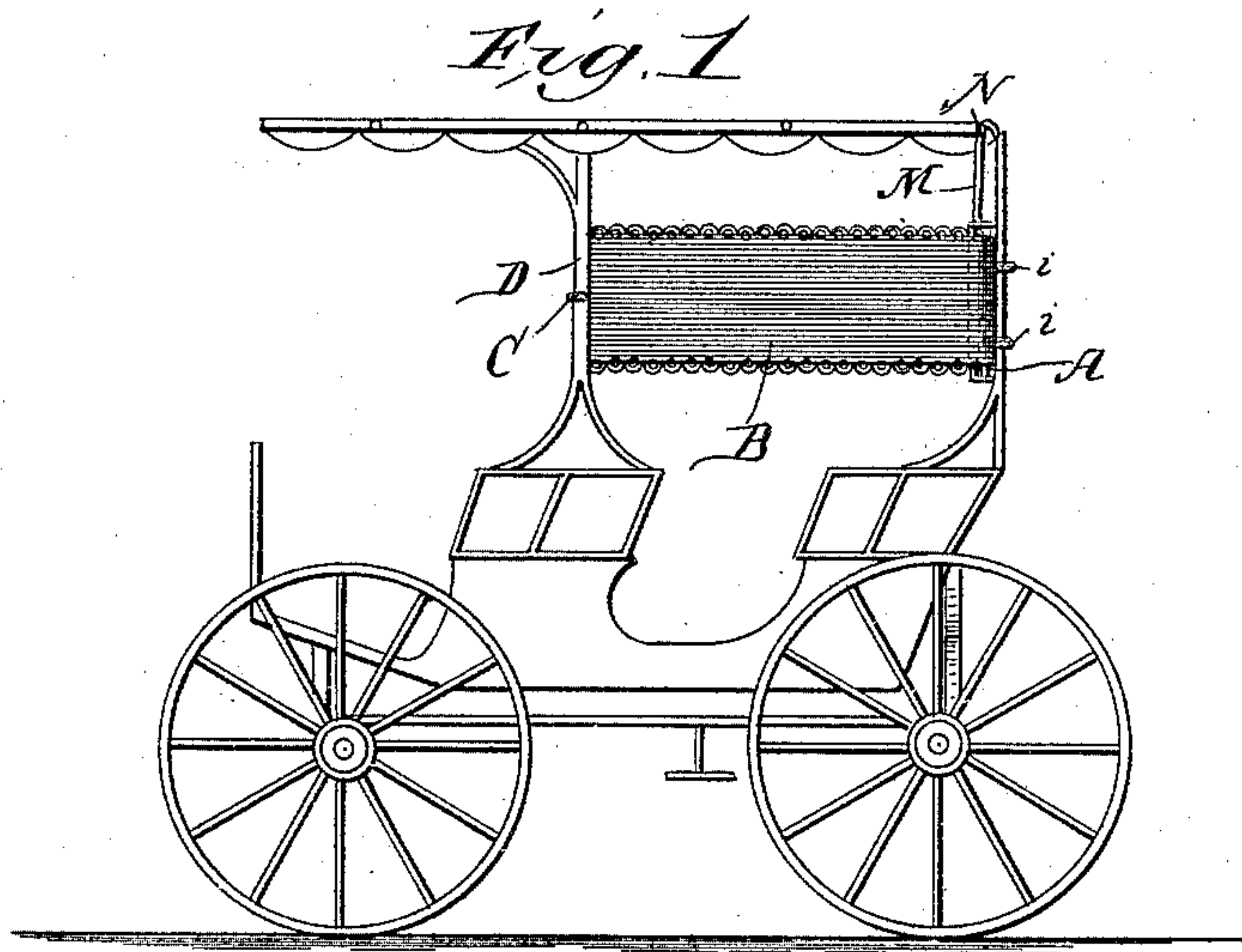


(No Model.)

D. ARGERBRIGHT.
CARRIAGE SUNSHADE.

No. 442,935.

Patented Dec. 16, 1890.



Witnesses

Alvin Bell.

Edwin S. Clarkson

Inventor
Daniel Argerbright

By his Atty.

C. J. Bell.

UNITED STATES PATENT OFFICE.

DANIEL ARGERBRIGHT, OF TROY, OHIO, ASSIGNOR OF TWO-THIRDS TO
PHILIP J. GATES AND C. T. ZIEGENFELDER, BOTH OF SAME PLACE.

CARRIAGE-SUNSHADE.

SPECIFICATION forming part of Letters Patent No. 442,935, dated December 16, 1890.

Application filed July 10, 1890. Serial No. 358,237. (No model.)

To all whom it may concern:

Be it known that I, DANIEL ARGERBRIGHT, a citizen of the United States, residing at Troy, in the county of Miami and State of Ohio, have invented certain new and useful Improvements in Carriage-Sunshades, of which the following is a specification.

This invention relates to curtains and shades, and particularly to carriage-curtains; and it consists in the novel construction and arrangement of the different parts, as will be hereinafter fully set forth.

The object of the invention is to provide a sunshade or curtain for carriages which can be readily attached to any-sized carriage without the employment of any curtain-fixtures whatever.

A further object of the invention is to provide a sunshade for carriages which can be moved from one side of the carriage to the other, adjusted vertically without moving the curtain from the upright poles or carriage-rods, and rolled and unrolled horizontally by an occupant of the carriage without the employment of any tools or implements and without such occupant leaving the carriage-seat.

A still further object of the invention is to provide a carriage curtain or shade at one end with a spring-roller and at the other end with a hem, in which is inserted a rod provided with one or more hooks, and to provide such roller with a frame, also having a series of like hooks.

In the accompanying drawings, making part of this specification, Figure 1 is a side elevation of a carriage having my improved curtain or shade suspended at a low position from the top bow and unrolled. Fig. 2 is a similar view showing the top of a carriage with my curtain suspended therefrom at a high position. Fig. 3 is a perspective view of the roller-frame, showing the suspending-tape with the links or rings. Fig. 4 is a perspective view of a modified form of frame, and Fig. 5 is a perspective view of a bar provided with hooks. Fig. 6 is an enlarged view of one of the plates with a wire attached, the free ends of which are shown bent inwardly.

Like letters of reference denote like parts throughout the several figures.

To an ordinary spring-roller A is attached

a sunshade B, the free end of which has a hem *a*, into which is inserted a rod or bar *b*, having one or more hooks *C*, which are covered with an elastic stocking *c* to prevent the defacement of the carriage-poles D.

The spring-roller frame E consists of a wire rod or other suitable material bent upon itself at its middle to form a bearing *e* for the round projection of the spring-roller A. The wire is then bent outward and again at right angles to form parallel rods F, which extend the entire length of the roller A, and are turned up or again bent at right angles, so that their ends *f* form a brace, to which a plate G is soldered or otherwise securely attached. This plate G has a slot *g*, into which the flat projection of the roller A is held by means of a small wire *h*, the ends thereof being left free, so as to be bent over the outer edge of the flat projection of said roller, thus preventing the said projection from slipping or being pulled out of the slot.

The rods F are provided with a series of brace-plates I, two or more of which are provided with clasps or hooks *i*, provided with elastic covers; but I prefer to provide only the end braces with hooks, as this arrangement has been found to answer every purpose.

Near the bearing *e* of the frame E, just where the wire rod is bent upon itself, is secured a loop L, to which is attached a tape M, having eyes or rings *m*, by means of which the roller and curtain are suspended from a knob or button N on the top of the bow of the carriage. A link or chain may be employed in place of the tape.

In the modification of the frame E, as shown by Fig. 4, the plate G is curved or rounding and forms a semicircle opposite the slot *g*, and a like plate G', having an aperture *g'*, is employed to receive the round projection of the roller A, instead of bending the wire, as hereinbefore described. These plates G and G' are connected by suitable wires *g*². The brace-plates I extend from one wire to the other in a semicircular form and have spring-hooks provided with elastic covers I', similar to the hooks *i* shown in Fig. 3.

The advantages of a carriage curtain or shade constructed as shown and described are readily observed, as such a curtain or sun-

shade is placed in position by simply being hooked over the knob or button N by means of the eyes or rings *m* on the tape M, and the frame E, carrying the spring-roller, is attached to the uprights of the carriage by means of the hooks *i*, as clearly shown in Figs. 1 and 2. It will thus be seen that by means of the tape and rings thereon or its equivalent the curtain or shade can be adjusted vertically to any desired position, and, although it is shown in the drawings attached to the rear carriage-upright, it may be attached to any of such uprights with the same result.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a carriage-sunshade, the semicircular frame provided with two end plates, one of which has a slot and the other an aperture, and the tape M, secured to one end of the

said frame and provided with eyes *m*, in combination with the spring-roller and the elastic covered hoops *c* and *i*, substantially as shown and described, and for the purpose set forth.

2. In combination with a carriage-sunshade, the spring-roller and the semicircular frame, the slotted plate, the wire *h*, secured to the slotted plate with its ends left free, so as to be bent over the slot in the said plate, the semicircular braces provided with elastic covered hooks, and the bar *b*, also having elastic covered hoops, substantially as shown and described, and for the purpose set forth.

In witness whereof I hereunto set my hand in the presence of two witnesses.

DANIEL ARGERBRIGHT.

Witnesses:

C. F. GROSVENOR,
S. J. CULBERTSON.