

No. 706,285.

Patented Aug. 5, 1902.

G. WALTER.

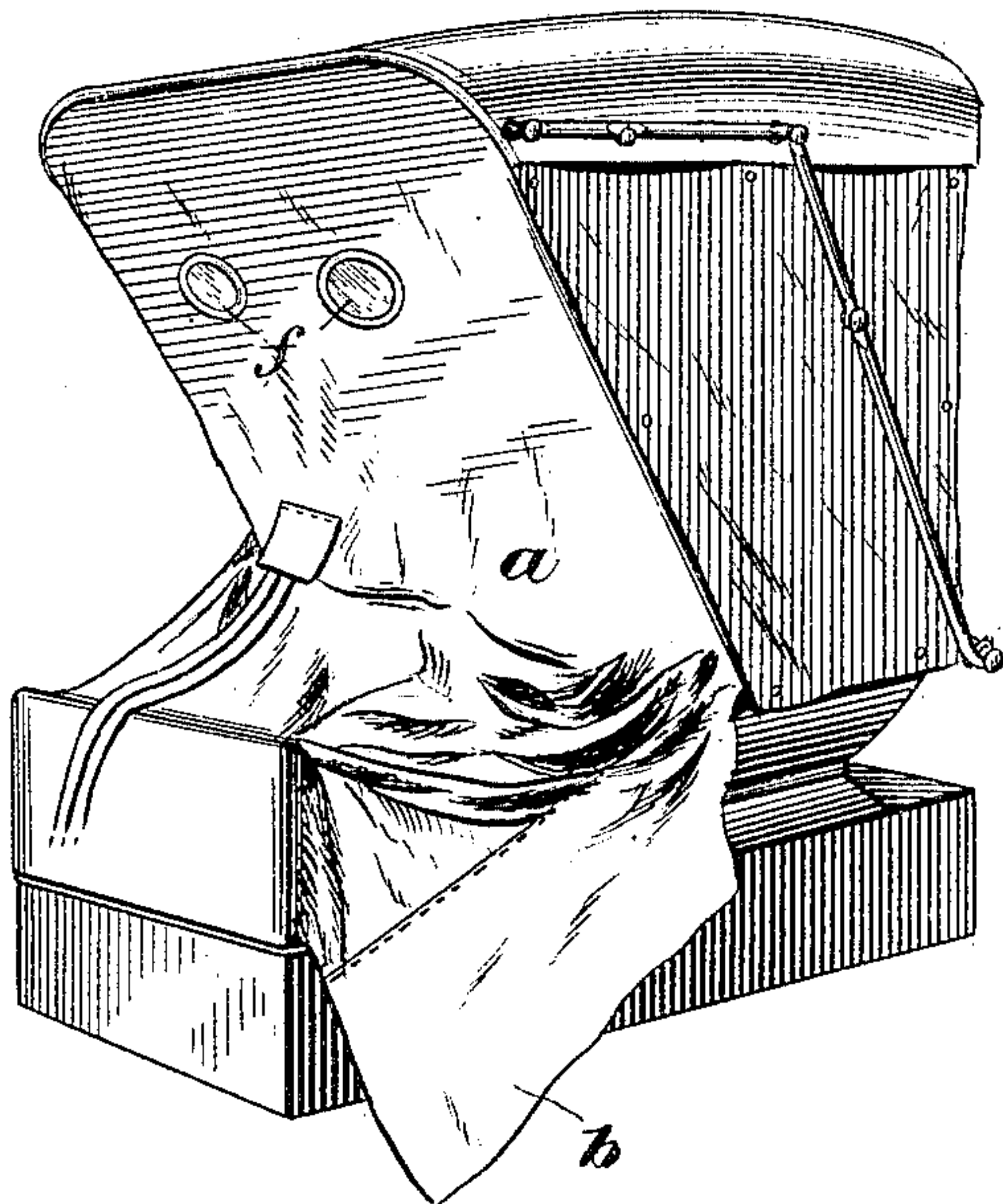
COMBINED STORM APRON AND DUST HOOD.

(Application filed Feb. 5, 1902.)

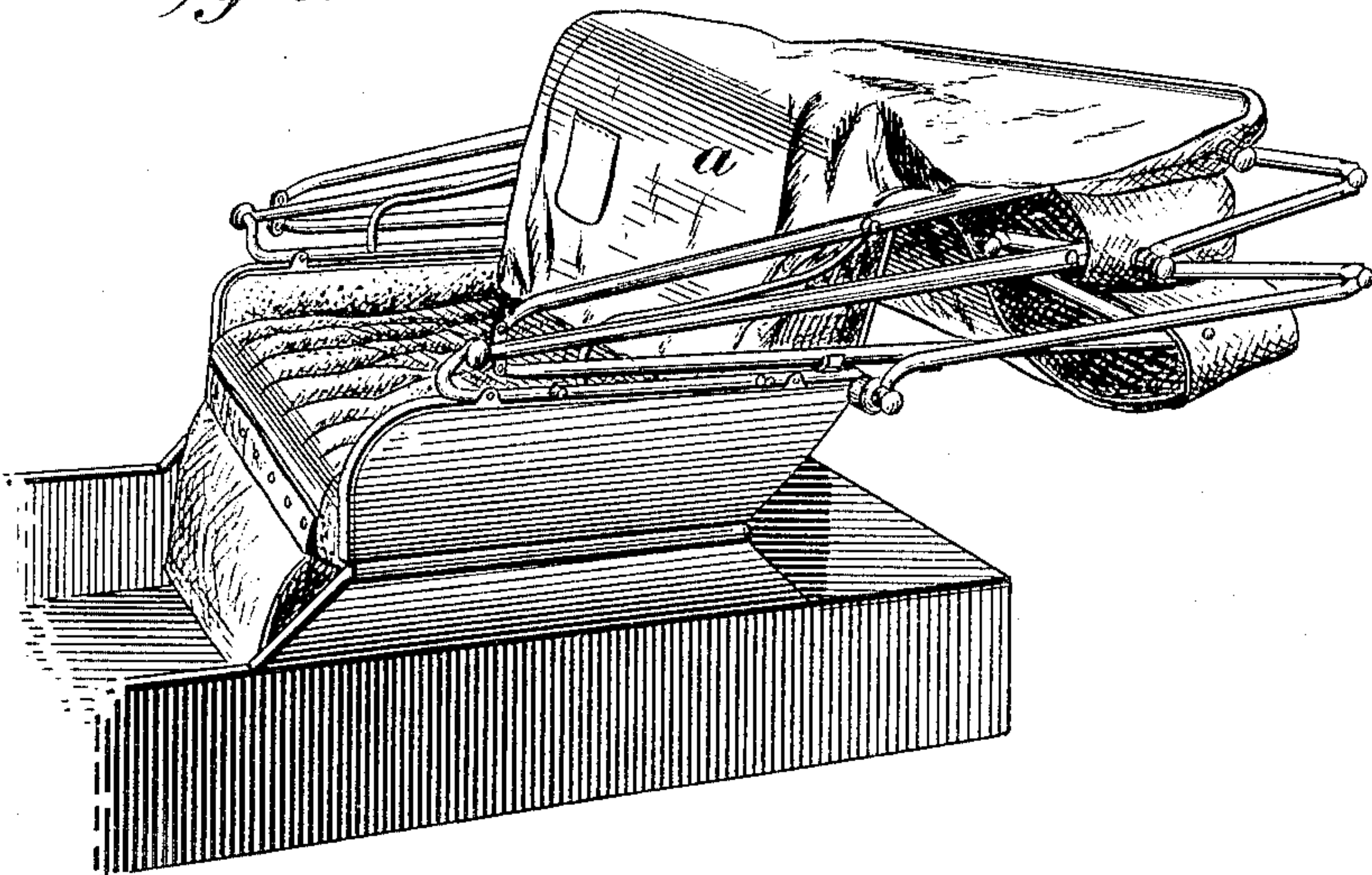
(No Model.)

2 Sheets—Sheet 1.

*Fig. 1.*



*Fig. 2.*



Witnesses:

*Chas. Seavey*  
*R. H. Bishop*

Inventor,

*Gustave Walter.*

By

*Davies & Davis.*

Attorneys.

No. 706,285.

Patented Aug. 5, 1902.

G. WALTER.

COMBINED STORM APRON AND DUST HOOD.

(Application filed Feb. 5, 1902.)

(No Model.)

2 Sheets—Sheet 2.

Fig. 3.

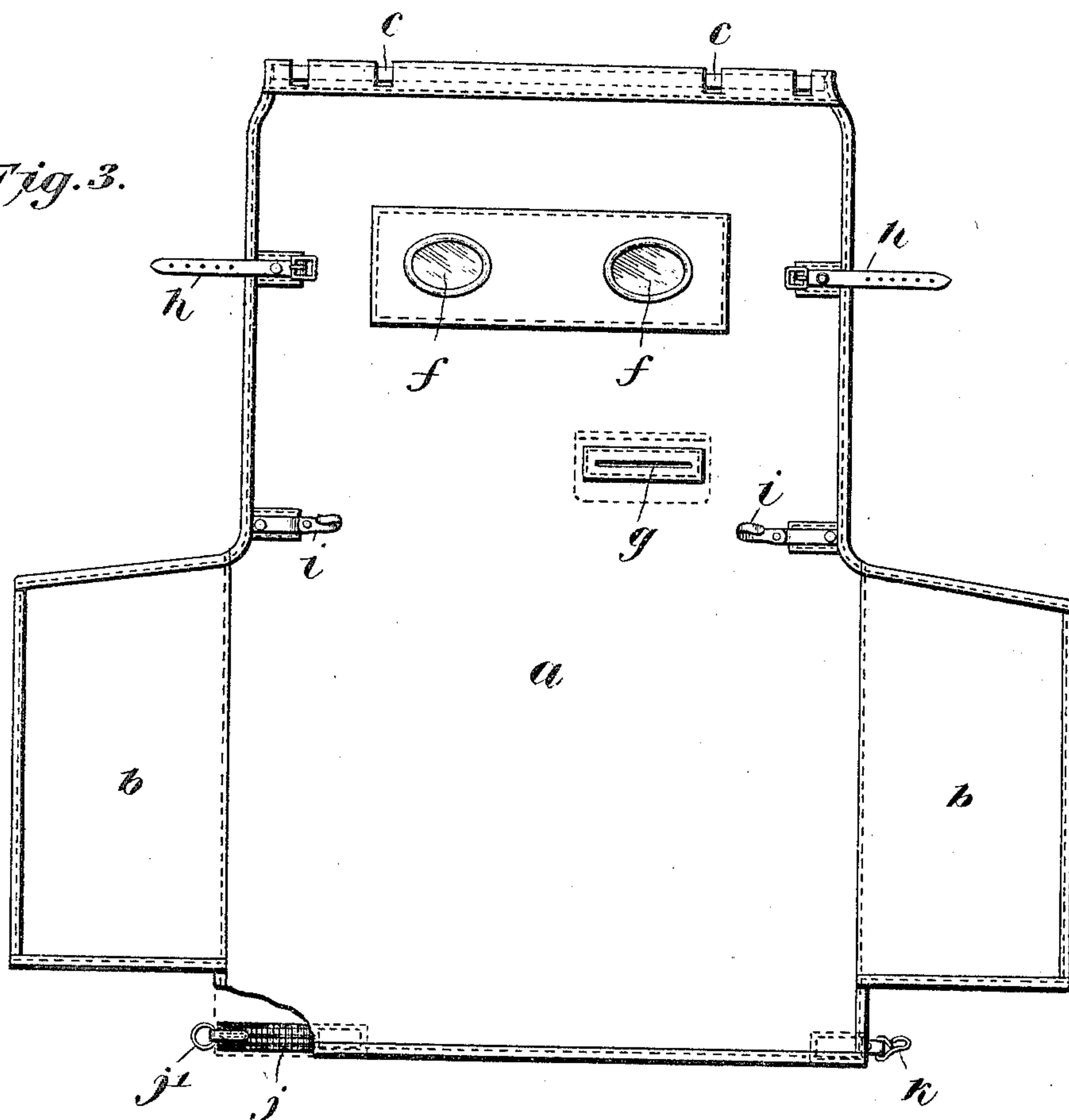


Fig. 4.

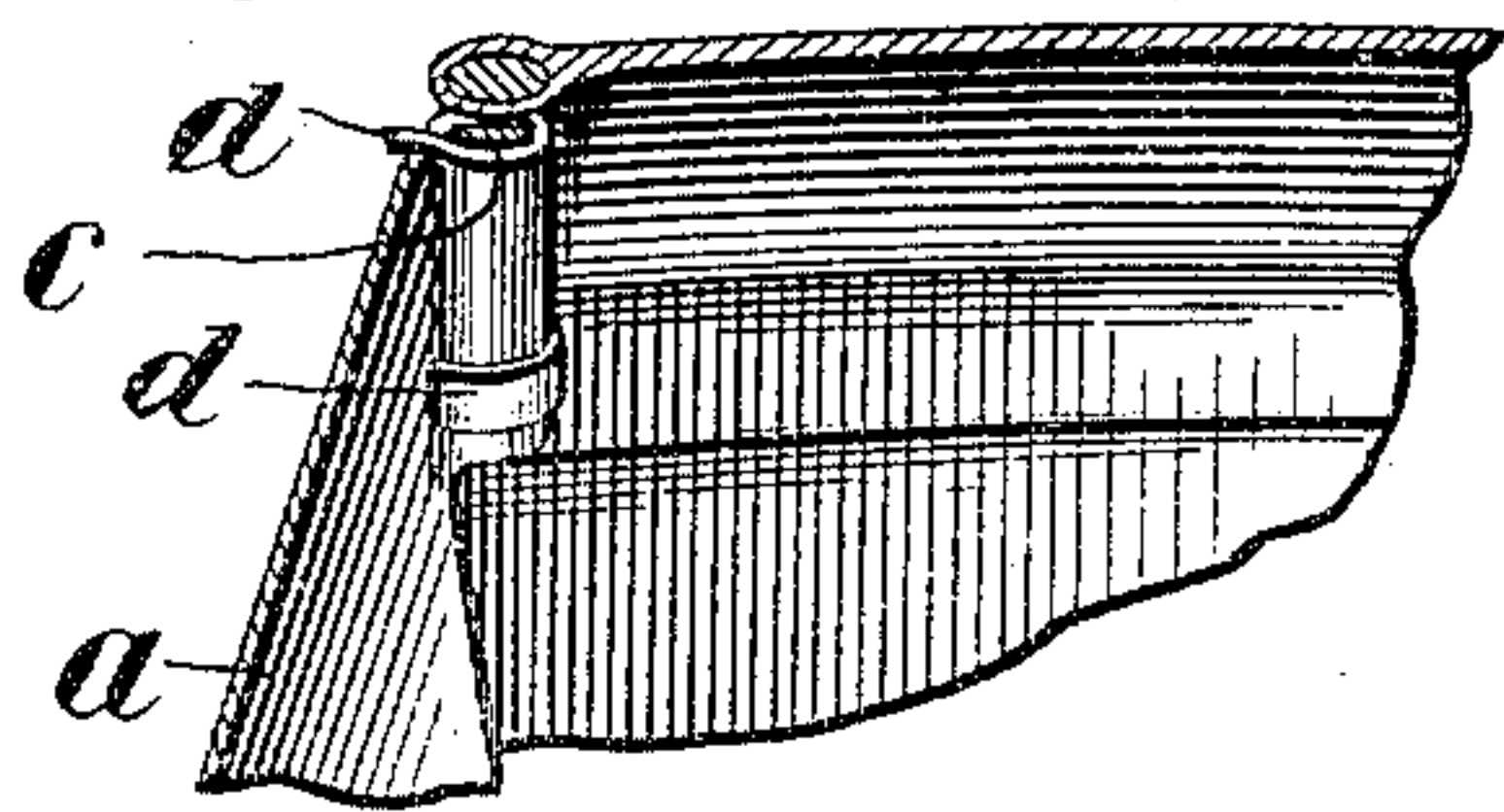
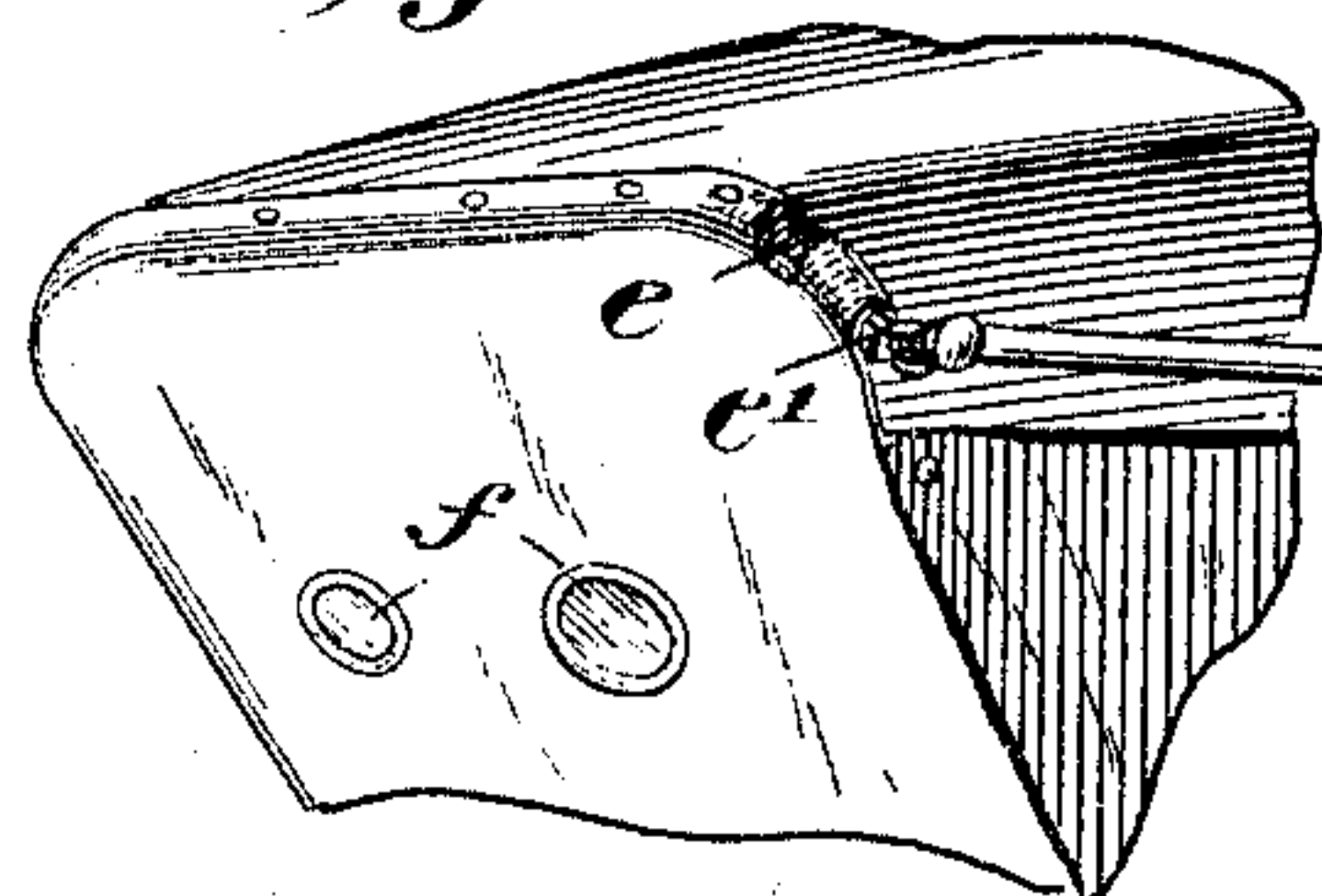


Fig. 5.



Witnesses:

Elmer Seaver  
R. W. Bishop

Inventor,

Gustave Walter,

By

David Davis,

Attorneys.



# UNITED STATES PATENT OFFICE.

GUSTAVE WALTER, OF SANDWICH, ILLINOIS.

## COMBINED STORM-APRON AND DUST-HOOD.

SPECIFICATION forming part of Letters Patent No. 706,285, dated August 5, 1902.

Application filed February 5, 1902. Serial No. 92,641. (No model.)

*To all whom it may concern:*

Be it known that I, GUSTAVE WALTER, a citizen of the United States of America, residing at Sandwich, in the county of Dekalb and State of Illinois, have invented certain new and useful Improvements in a Combined Storm-Apron and Dust-Hood, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a buggy, showing the device used as a storm-apron; Fig. 2, a similar view showing the manner of adjustment when used as a dust-hood; Fig. 3, a plan view of the inner side of the apron; Fig. 4, a detail vertical section showing the manner of attaching it to the upper part of the buggy-top, and Fig. 5 is a detail perspective view of a modification of the device for attaching it to the buggy-top.

The object of this invention is to provide a simple apron which may be readily attached and detached and which in one adjustment will afford the occupants of the buggy a complete protection against rain, snow, sleet, and wind and which in its other adjustment will afford an effective device for excluding dust from the buggy-top when the same is folded down; and the invention consists of certain novel features of construction hereinafter described and claimed.

Referring to the drawings by letters, *a* designates the main part of the apron, which is substantially oblong in shape and which has attached to each of its longitudinal edges near the lower or forward end a laterally-extending wing *b*, which is also approximately oblong in shape, the said parts *a* and *b* being constructed of flexible waterproof material. In a hem or pocket formed along the upper edge of the apron is inclosed a thin transversely flexible or elastic metal strip *c*, which is capable of being bent or flexed to properly fit within the curved front edges of the buggy-top.

Any suitable devices may be employed to detachably secure the upper edge of the apron in place; but I prefer the devices shown, which consist of a series of spring clamping-hooks attached to the inner side of the front bar of the buggy-top and into which the upper edge of the apron is slipped, the hem being preferably cut away at points correspond-

ing to the clasps, so that the clasps shall bear directly upon the metal strip. Instead of these clasps I may, as shown in Fig. 5, do away with the metal strip and employ spiral springs *e*, inclosed in suitable hems or pockets at the respective ends of the upper edges of the curtain, and provide the respective free ends of these springs with hooks *e'*, adapted to engage the respective upper pivot-pins of the top-props. In this modification the apron is secured on the outside of the buggy-top, whereas with the flexible metal strip the apron is attached to the inner or under side of the top.

The upper part of the apron is provided with suitable windows *f* and a suitable slit *g* for the passage of the driving-lines, and to detachably fasten the side edges of the apron to the front bars of the top-prop a suitable strap *h* and a hook *i* are attached to each side edge of the apron at suitable points above the wings *b*.

To adjustably and detachably fold and clasp the lower apron around the dashboard, I employ an elastic webbing or strap and buckle *j*, attached to the inside of the apron at its lower edge and provided with a ring *j'* at its free end to adapt said free end for connection with a hook *k*, attached to the opposite corner of the apron.

As will be observed from Fig. 1, when the appliance is in use as a storm-curtain the entire front of the buggy-top and the buggy-body are covered, the wings *b* hanging down on either side close to the sides of the buggy, and thereby preventing the ingress of rain, &c., at the sides. The flexible strip at the upper edge of the curtain permits the same to not only be secured within or under the upper edge of the buggy-top, but also adapts the curtain to buggy-tops of various shapes and sizes. As will be observed, attaching the upper edge of the curtain close under the forward edge of the buggy-top effectually prevents leakage of water into the interior of the buggy. When the appliance is used as a dust-hood, it is simply necessary to detach its lower end from the dashboard and its side edges from the top-prop, fold the side wings in under the main part of the apron, and fold the lower part of the curtain in upon itself. Then when the buggy-top is let down

the folded part will rest against the back-rest of the buggy-seat and completely cover the same and the buggy-top, thereby excluding dust not only from the back-rest, but also  
5 from the buggy-top.

Having thus fully described my invention, what I claim, and desire to obtain by Letters Patent, is—

A combined storm-apron and dust-hood consisting of a waterproof flexible fabric provided at its lower end with means for attaching it to the dashboard and at its side edges with means for detachably fastening it to the top-props and at its upper end with means  
10 for attaching it to a buggy-top, this latter  
15

means consisting of a flexible strip attached to the upper edge of the apron and adapted to flex transversely to fit buggy-tops of various shapes and sizes, means being provided on the buggy-top for detachably clamping  
20 said strip under the front edge of the buggy-top.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 27th day of January, 1902.

GUSTAVE WALTER.

Witnesses:

JOSEPH KLIMM,  
EMIL TROUPE.