

No. 825,296.

PATENTED JULY 10, 1906.

C. BREUL.
WRITING PEN LEAFLET.
APPLICATION FILED MAY 29, 1905.

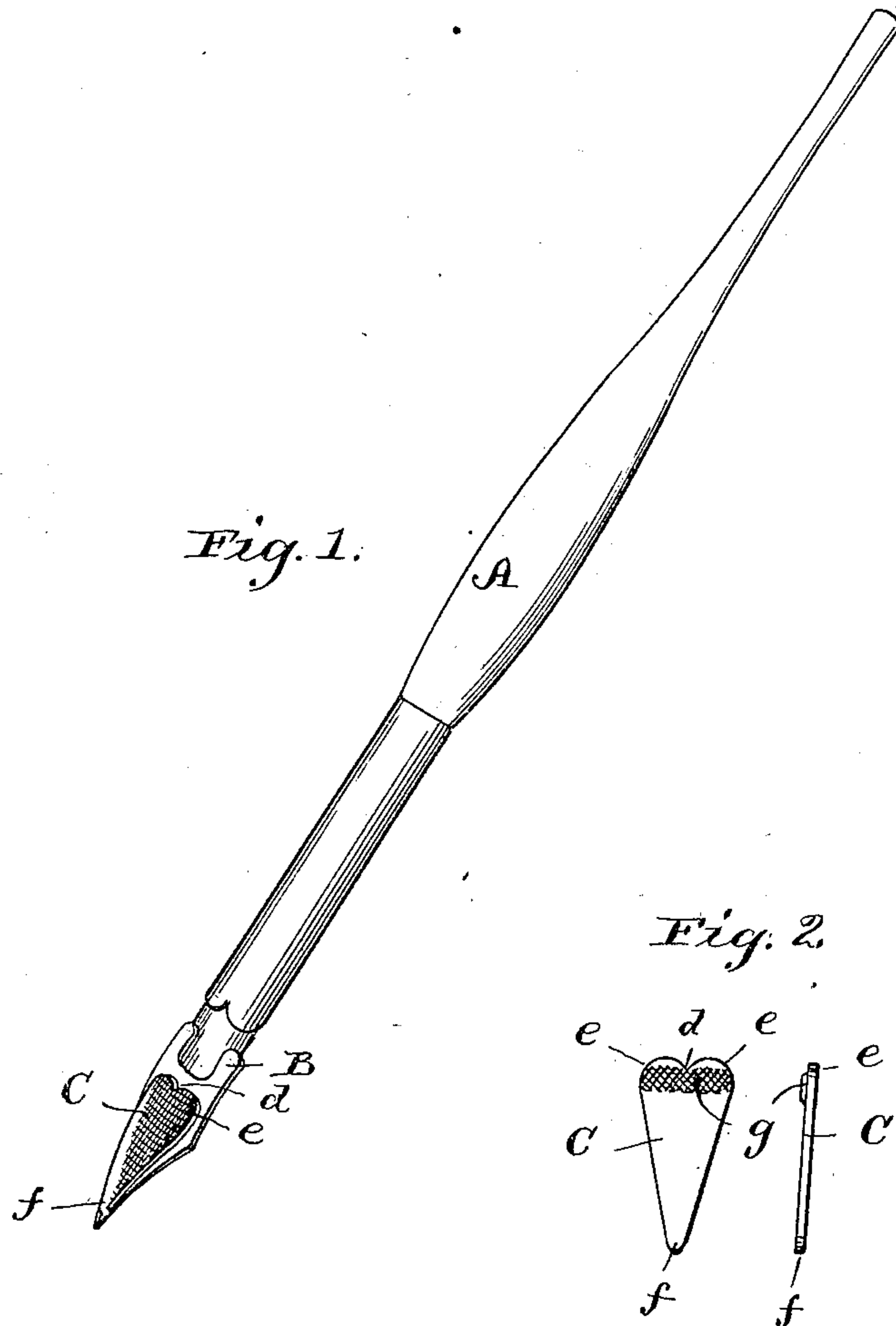


Fig. 3.

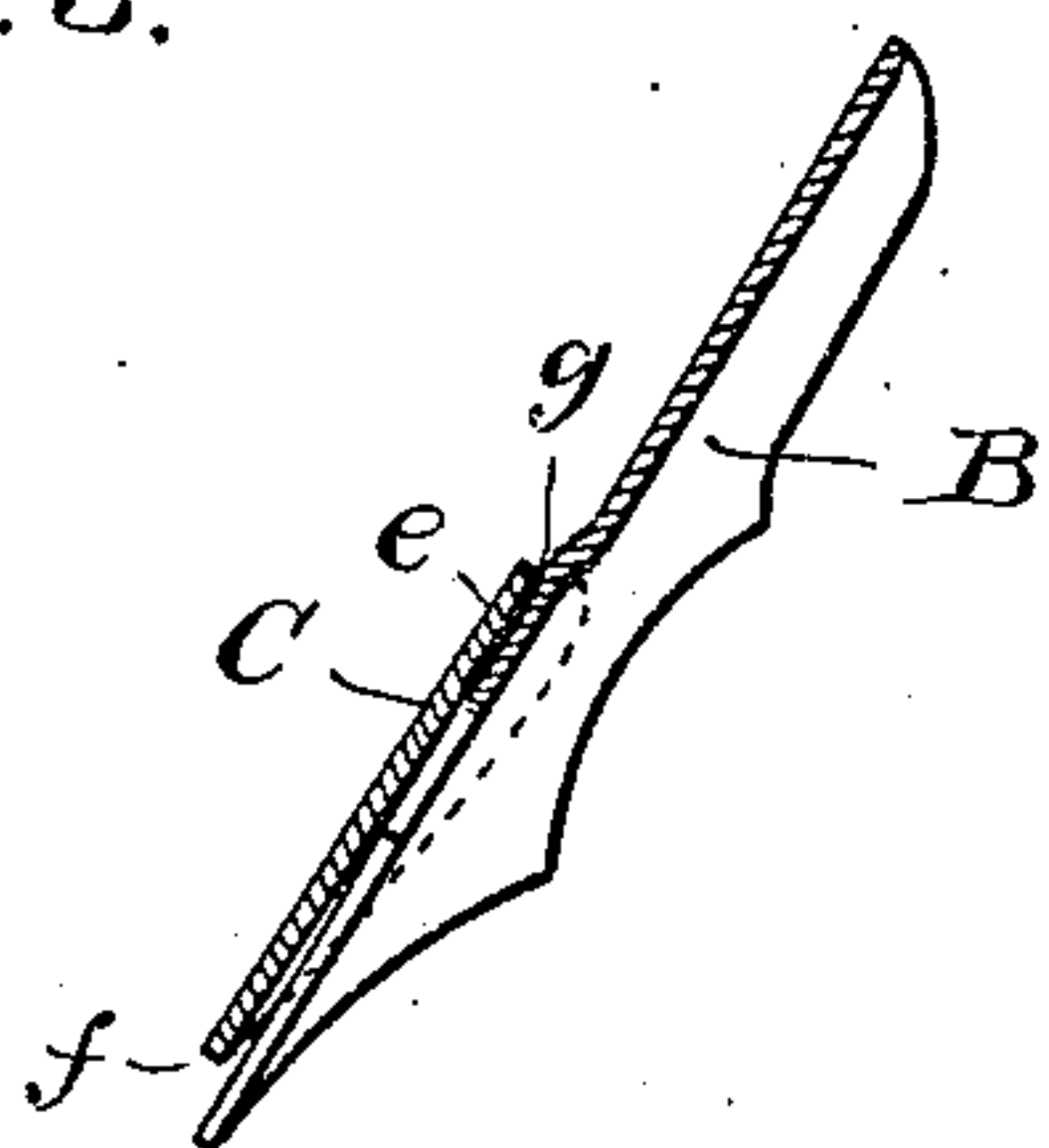
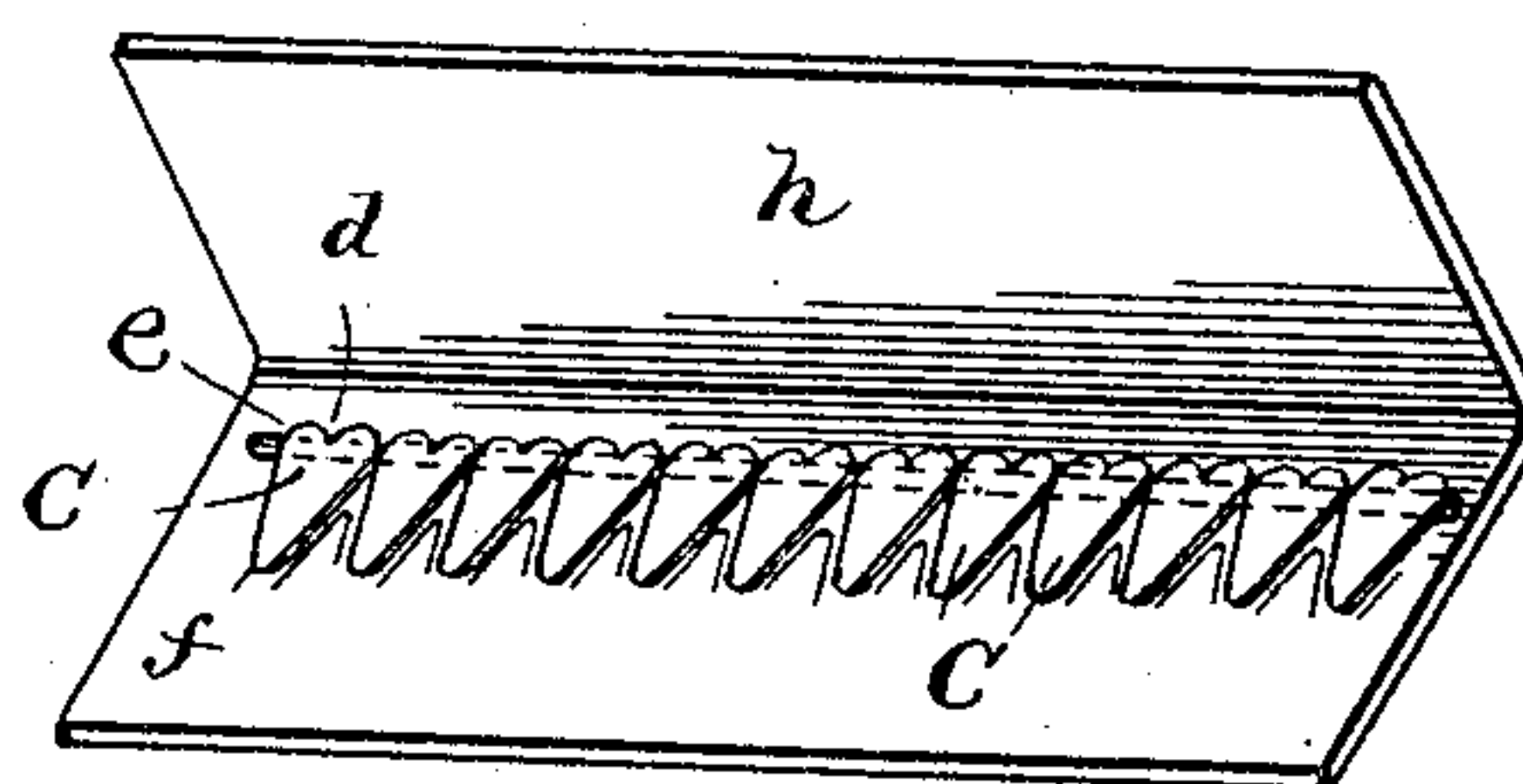


Fig. 4.



Witnesses
Edward T. Nicholson
Charles D. Hull

Inventor
Clemens Breul
By Chamberlain & Newman
Attorneys

UNITED STATES PATENT OFFICE.

CLEMENS BREUL, OF GRÄFRATH, GERMANY.

WRITING-PEN LEAFLET.

No. 825,296.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed May 29, 1905. Serial No. 262,848.

To all whom it may concern:

Be it known that I, CLEMENS BREUL, a subject of the German Emperor, and a resident of Gräfrath, Germany, have invented certain new and useful Improvements in Writing-Pen Leaflets, of which the following is a specification.

My invention relates to novel means for supplying writing-pens with a material that can be converted into a fluid ink by the application thereto of water and without the necessity of dipping the pen into fluid ink.

It is the purpose of my invention to provide an attachable "leaflet," so called, the body of which may be formed of any suitable absorbent material and which leaflet contains a solidified soluble coloring compound adapted to be dissolved and transformed into fluid ink by the application of water, tea, coffee, milk, or similar fluids. These leaflets may be made in a form best adapted to cover and conform to the contour of the top of the blade portion of a pen and are provided with a waterproof adhesive material by means of which the leaflet is attached to the pen for use.

Referring to the accompanying drawings, forming a part of this specification, similar reference characters denote like or corresponding parts throughout the several figures, and of which—

Figure 1 shows a perspective view of a writing-pen holder and pen, provided with one of my novel writing-leaflets. Fig. 2 shows both a rear elevation and edge view, respectively, of my leaflet detached. Fig. 3 shows a sectional elevation through a pen provided with one of my leaflets, and Fig. 4 shows a card containing the leaflets as put upon the market.

Referring to Fig. 1, A indicates a pen-holder and the pen, which parts may be of any preferred construction, since my improved leaflet is applicable to any of the common forms of writing-pens.

C indicates the leaflet, which, as shown, is formed from sheet material cut into somewhat of a heart-like shape, having a central notch *d* in its top edge, with cheeks *e e* on either side and a reduced lower end or point *f*, all of which portions are adapted to conform to the top or operating-surface of a pen. The cheeks *e e* serve to properly and easily

fold, shape, and attach the leaflet to the pen, as shown, as but for this feature the resistance of the leaflet might cause a breakage thereof or else would overpower the adhesive material and become detached from the pen.

The leaflet may be formed of any suitable fibrous material and is impregnated with a dry concentrated ink of any desired color, which produces an article that is comparatively hard and stiff, but which will readily dissolve and flow into the pen-point by the application of water.

The leaflets are provided with an adhesive substance that is preferably applied to the under side of the upper portion, as indicated in Fig. 2 and designated by the character *g*. The material is necessarily of a waterproof kind, so as not to be affected and become loosened when the pen containing the leaflet is dipped into water. This glue may also serve primarily to retain the articles on a card, as shown in Fig. 3, in which manner they are preferably marketed.

The particular shape of the ink-leaflets is of course not material, and the same is true of the manner of or material for attaching them to a pen, so long as they cover the operating part of a pen and can be attached conveniently and practically.

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

1. A detachable writing-pen leaflet formed of porous fibrous material impregnated with dry concentrated ink.

2. An attachable writing-leaflet, comprising a porous fibrous material impregnated with dry concentrated ink and intermediate means for attaching the same to a writing-pen.

3. A new article of manufacture comprising a dry-ink leaflet of porous material containing soluble ink, and adapted for attachment to a pen at will, and adhesive material independently applied to a part of its surface.

4. A dry-ink reservoir adapted to be applied to the outside of a writing-pen by means of waterproof adhesive material, and comprising a porous fabric saturated with concentrated dyes.

5. An ink-leaflet of porous fabric impregnated with dry concentrated ink and means for its attachment to a writing-pen, consist-

ing of a waterproof adhesive material contained on the inner face of said leaflet.

6. A concentrated ink-leaflet shaped to conform to the contour of a writing-pen, having a central notch in its upper portion with cheeks at either side thereof, a reduced lower end and a layer of waterproof adhesive mate-

rial on the under face of the cheeks for the purpose set forth.

Signed at Gräfrath, Germany.

CLEMENS BREUL.

Witnesses:

W. R. ESTES,
ARTHUR BRAY.