

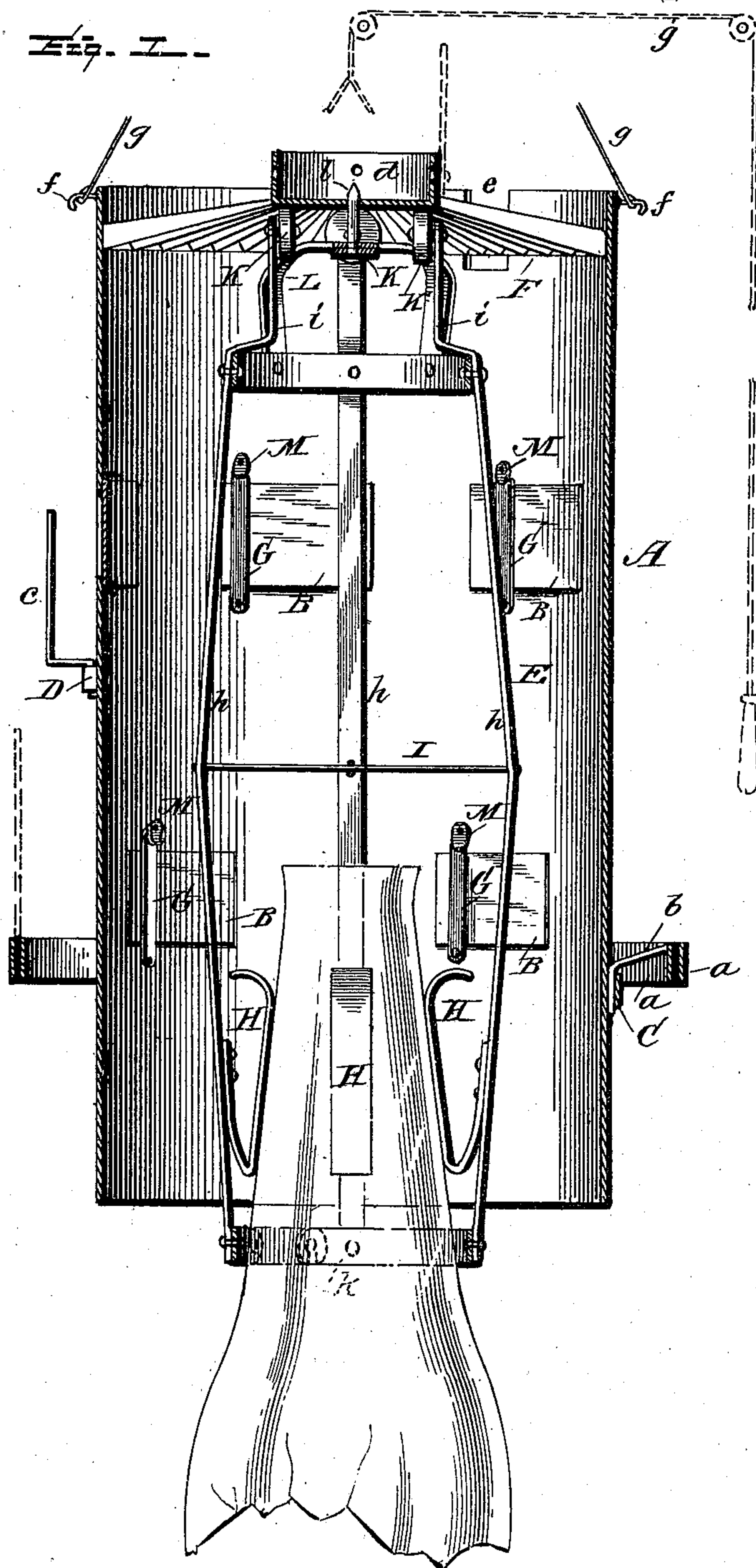
(No Model.)

2 Sheets—Sheet 1.

S. KUH.  
ADVERTISING APPARATUS.

No. 504,421.

Patented Sept. 5, 1893.



Witnesses:

L. C. Mills.  
J. M. Coffey

Inventor

Solomon Kuh.  
per Cha. N. Fowler

Attorney

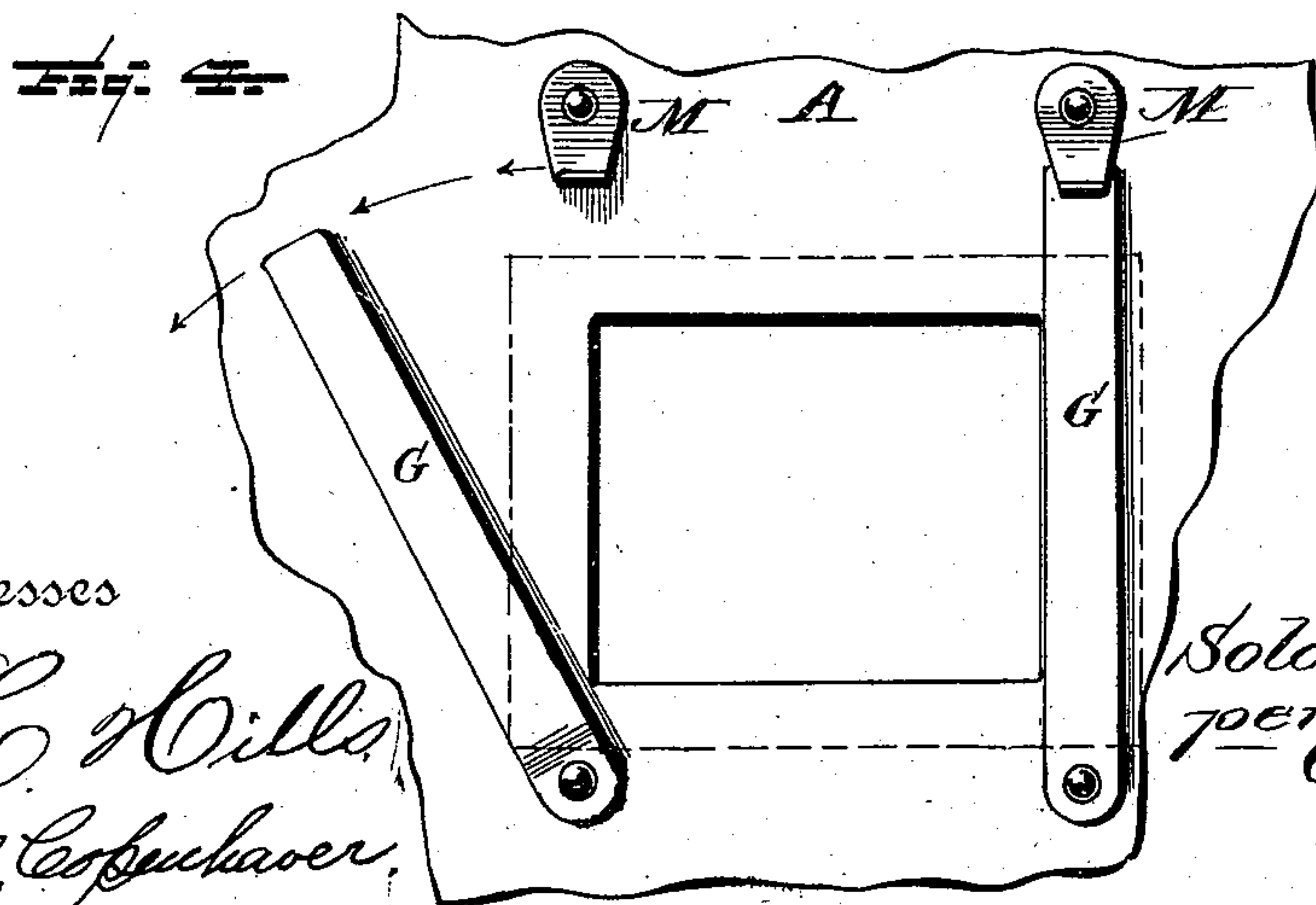
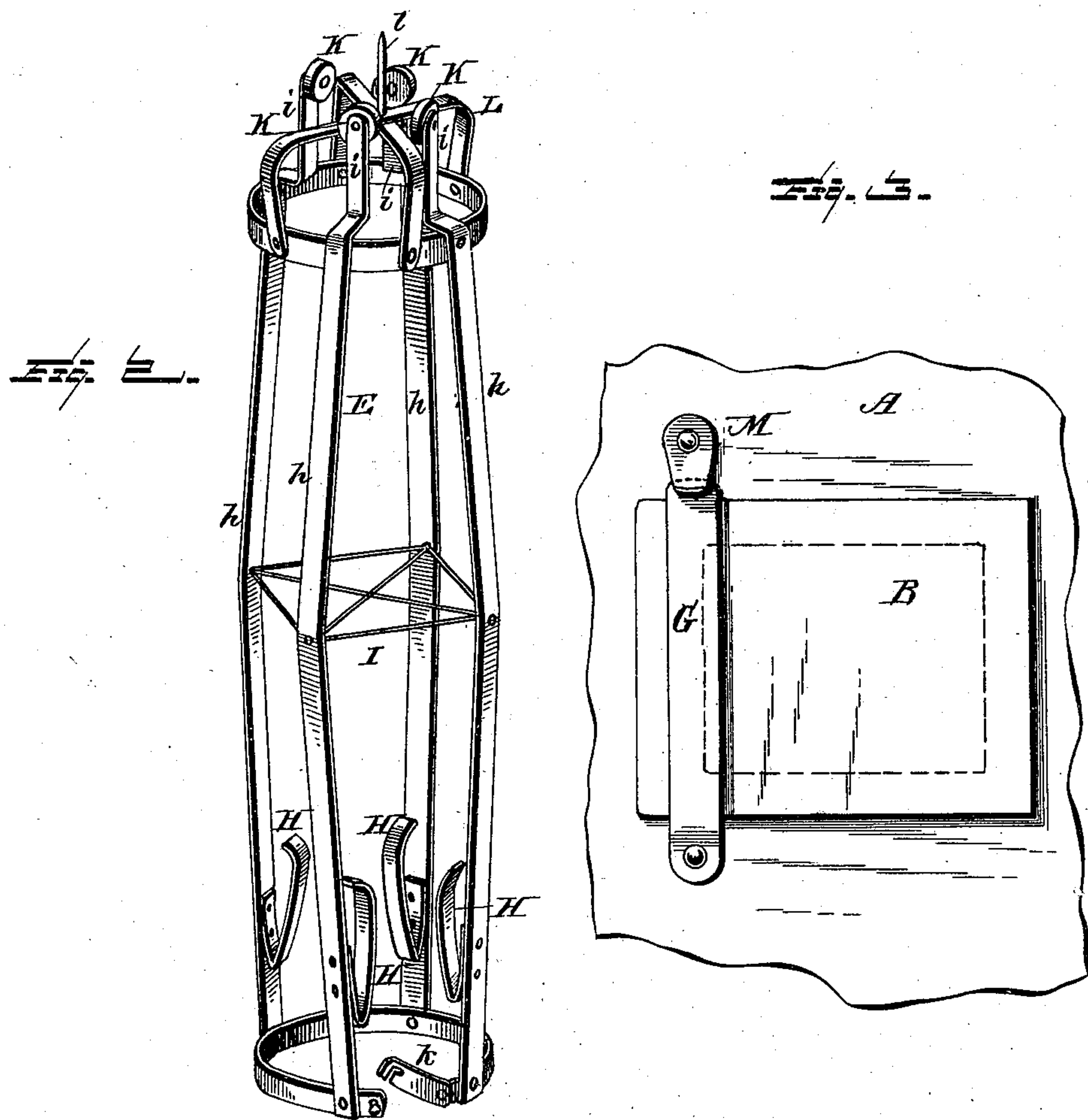
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# UNITED STATES PATENT OFFICE.

SOLOMON KUH, OF SIOUX FALLS, SOUTH DAKOTA.

## ADVERTISING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 504,421, dated September 5, 1893.

Application filed March 7, 1893. Serial No. 465,028. (No model.)

*To all whom it may concern:*

Be it known that I, SOLOMON KUH, a citizen of the United States, residing at Sioux Falls, in the county of Minnehaha and State of South Dakota, have invented certain new and useful Improvements in Advertising Apparatus; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has relation to that class of advertising apparatus or devices adapted for attachment over a heat generator, such as a lamp or other like illuminating device, and in which a tubular body with illuminated letters and figures is caused to revolve through the medium of a fan or wheel acted upon by the ascending heat.

The invention is designed as an improvement upon my former patent dated January 17, 1893, No. 489,961, and consists in the several details of construction substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings represents a sectional elevation of my improved advertising apparatus showing it supported upon the chimney of a lamp. Fig. 2 is a detail view in perspective of the upright supporting frame around which the tubular body revolves; Fig. 3 a detail view on an enlarged scale showing the manner of retaining in position the semi-transparent shields; Fig. 4 a modification thereof.

In the accompanying drawings A represents a tubular or hollow body which may be of any desired size, and either round, square, or any other preferred shape found most desirable, and may be constructed of any material suited for the purpose. The body A is substantially like that shown and described in my former patent, it having openings or perforations through it of any preferred shape and size which are covered by semi-transparent shields B, and near the lower end of the body are twin rings *a* connected thereto in any suitable manner. The twin rings *a* are detachably connected to suitable brackets C through the medium of the arms *b*, and similar brackets D may be employed to receive supports *c* to which are connected advertising cards or

devices as found desirable. These brackets are connected to the exterior of the tubular body A in any suitable manner and around the same at intervals, so that the light passing through the semi-transparent shields B will illuminate the advertising devices upon the supports above described.

In place of the twin rings any form of support may be provided which will serve the purpose of holding the advertising devices in the proper relative position, and any suitable form of bracket may be provided to which the several supports are detachably connected.

Within the hollow or tubular body A is located an upright skeleton frame E which supports the body while it revolves around the frame, the motion to the body being imparted through the medium of a suitable fan F at the top thereof which fan is revolved by the action of the ascending heat.

Upon the upper side of the fan is a suitable bracket or support *d* to which may be attached advertising cards or other advertising devices, and at the upper portion of the body are inspection openings *e* to insure a proper adjustment of the parts.

So far as I have described the construction of the several parts of the apparatus, they do not differ materially from the construction shown in my former patent hereinbefore referred to.

The differences in construction in the present invention which are considered of material importance in the practical working and effectiveness of the apparatus, will now be clearly set forth and described in detail.

The semi-transparent shields B are held over the openings in the body A by one or more pivoted spring-clamps G, the free ends of which engage with pivoted latches or keepers M, as shown more clearly in Figs. 3 and 4. These spring clamps may be used separately or in connection with the clips used and described in my former patent, so as to provide means for securely holding separate shields or plates having apertures in the form of figures or letters when such are used.

At or near the upper end of the body A, or at any preferred distance from the top, are suitable hooks *f* or other desirable means employed for attaching thereto the ends of a suitable chain or cord *g*. This chain or cord



passes over pulleys depending from the ceiling or other fixed object, and a suitable handle is provided upon the end of the cord, as shown in dotted lines, Fig. 1.

5 The skeleton frame E has many features of novelty over the frame shown in my former patent, in that it is provided with spring clamps H near its lower end which bear against the lamp-chimney or other object to which the frame is connected and supported, as shown in Fig. 1, the clamps being of any suitable form and construction found best adapted to the purpose. At or near the center of the frame E is connected a wire trestle I to give greater strength to the frame without adding materially to its weight, and preventing the frame from twisting out of shape. The bars *h* terminate at their upper ends in supports *i* to which suitable double or single anti-friction rollers K are connected, which rollers bear against the under side of the support or bracket *d* and assist the easy rotation of the fan F and prevent it from sagging and retain it in a true horizontal position while in motion. The pivot *l* forms a support for the fan and bracket as do also the anti-friction rollers, thus retaining the fan and bracket in position with relation to the interior of the tubular or hollow body A. The fan may be supported in any suitable and well known manner that will admit of its revolving with as little friction as possible. The skeleton frame E at its lower end has a pivoted latch *k* to adjust the frame to the object over which it is connected, such latch being shown in my former patent. By means of the hoisting cord *g*, the hollow or tubular body A may be elevated or raised to adjust the frame E, or to obtain access to the interior of the body without the necessity of removing the entire apparatus. The upper end of the frame E is provided with a skeleton dome L to increase the strength of the frame as a support to the hollow or tubular body A. If preferred the bars *h* may extend over the upper end of the frame and connect with each other so as to form this dome, and in place of extending the bars to form the supports *i*, independent supports may be provided to which the rollers could be connected, or the rollers may be connected to the under side of the fan in any suitable manner instead of having them upon the supports. These with many other like changes or modifications in the details of construction I reserve the right to make so long as such changes or modifications come within the scope of ordinary mechanical skill.

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

1. In an advertising apparatus, a tubular or hollow rotatable body provided with brackets upon its exterior, suitable supports con-

nected thereto to which the advertising cards or other devices are attached, said body having openings through its walls and semi-transparent shields, and means for holding the shields over the openings, consisting of pivoted spring clamps and pivoted latches, substantially as and for the purpose set forth.

2. In an advertising apparatus, a rotatable hollow or tubular body provided with suitable openings and semi-transparent coverings, means for connecting to the exterior of the body suitable advertising cards or devices, an upright skeleton supporting frame, and suitable spring clamps upon its lower end to hold the frame upon a lamp-chimney or other object to which it is connected, substantially as and for the purpose described.

3. In an advertising apparatus, a rotatable hollow or tubular body having openings covered by semi-transparent shields, means for connecting to the exterior of the body suitable advertising cards or devices, a fan upon the upper end of the body, and a skeleton frame for supporting said body, and friction rollers between the upper end of the frame and the fan, substantially as and for the purpose specified.

4. In an advertising apparatus, a rotatable hollow or tubular body having openings covered with semi-transparent shields, and means for connecting advertising cards or devices upon the exterior of the body, an upright skeleton frame for supporting the body, a strengthening dome at the top of the frame, and a wire trestle for preventing the upright bars of the frame from twisting out of shape, substantially as and for the purpose set forth.

5. In an advertising apparatus, a rotatable hollow or tubular body having openings covered with semi-transparent shields, and means for connecting advertising cards or devices upon the exterior of the body, and an upright supporting frame provided upon its respective ends with spring clamps and anti-friction rollers, substantially as and for the purpose described.

6. In an advertising apparatus, a rotatable hollow or tubular body adapted to receive advertising cards or devices upon its exterior, and having openings covered with semi-transparent shields, an upright frame for supporting the body, provided with spring clamps and anti-friction rollers at its respective ends, a wire trestle connected to the frame, and means for elevating the body independent of the frame, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

SOLOMON KUH.

Witnesses:

THOS. W. SEXTON,  
JACOB P. RUMMEL.