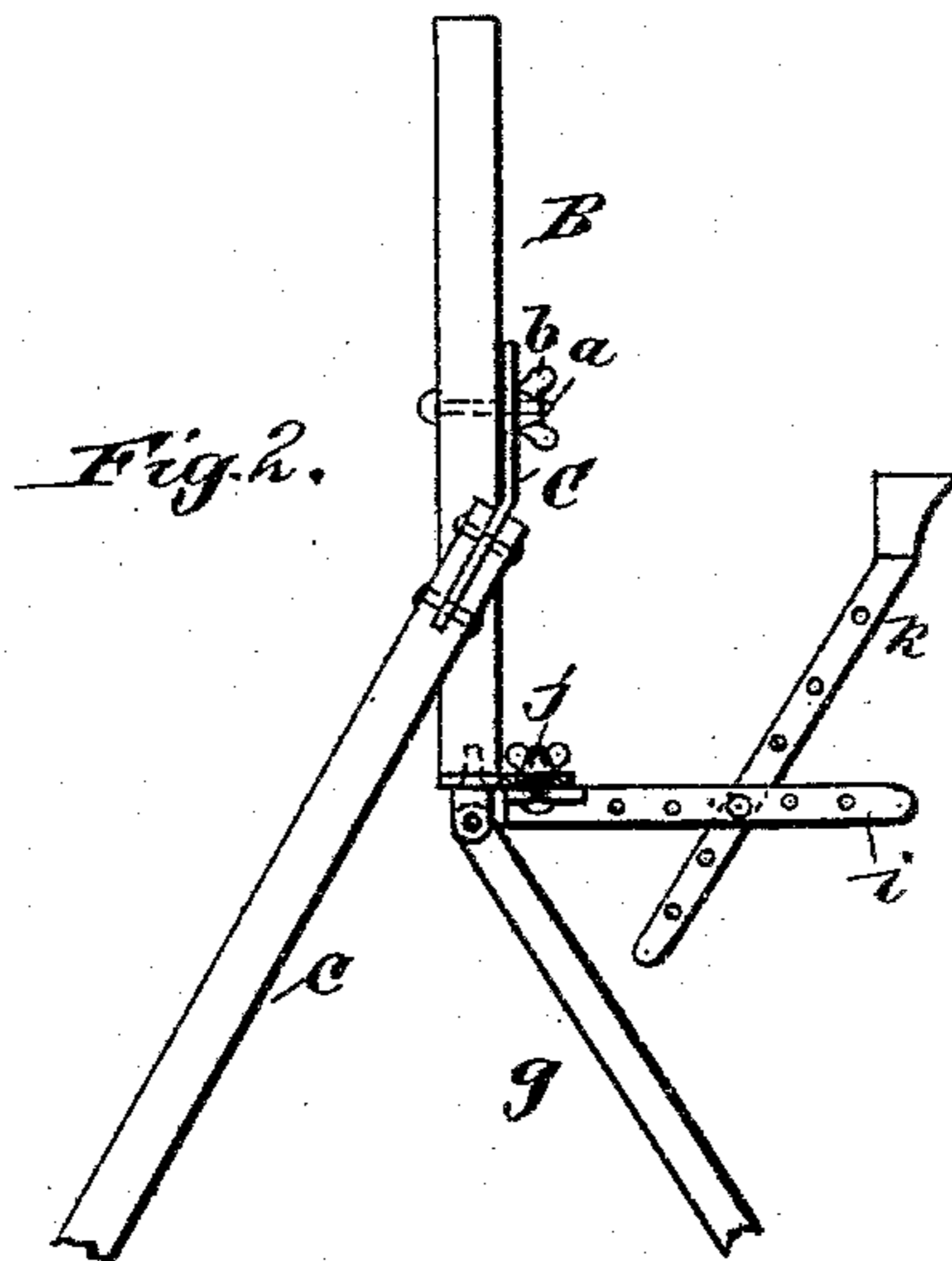
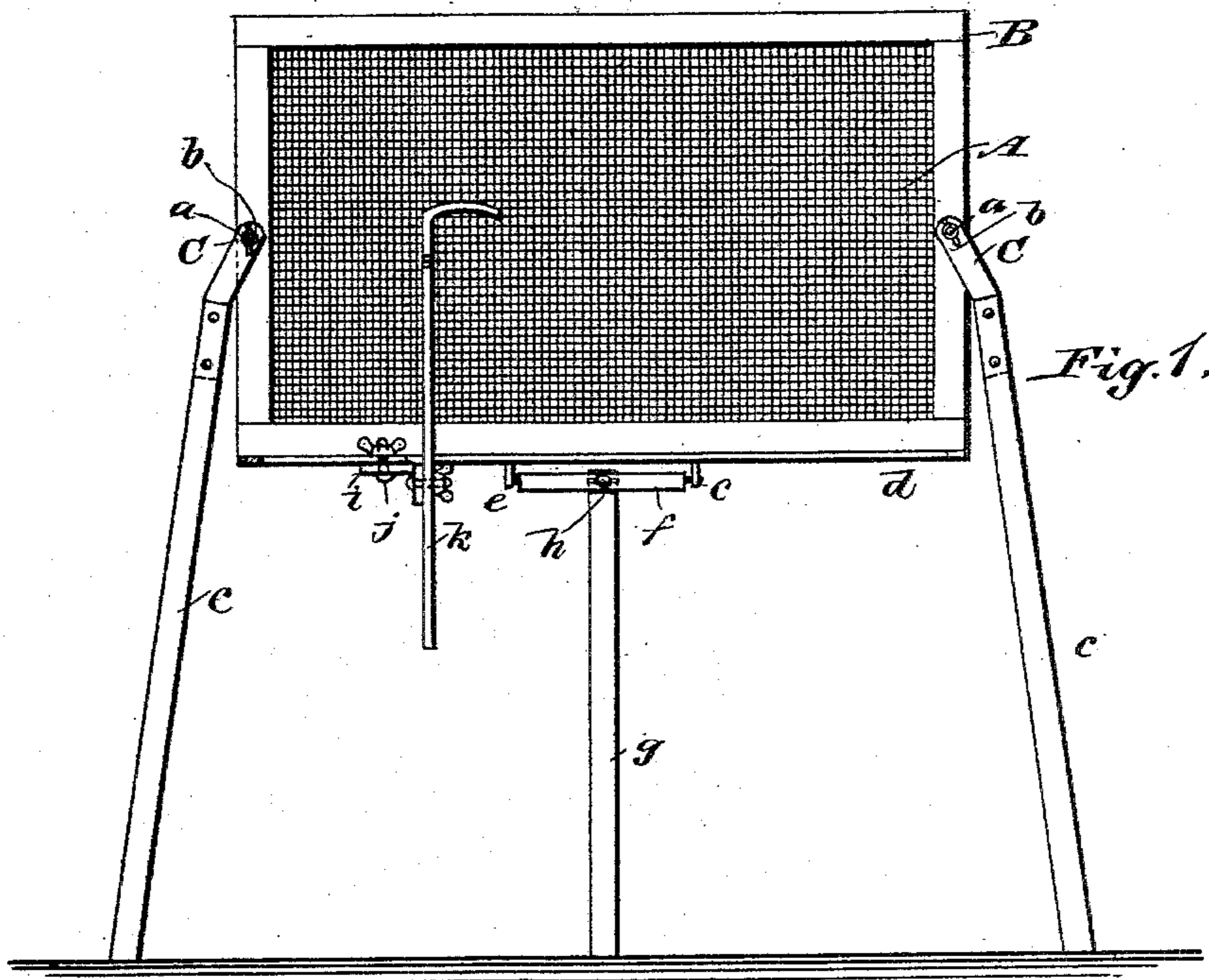


(No Model.)

T. A. McFARLAND.  
SKETCHING DEVICE.

No. 490,159.

Patented Jan. 17, 1893.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

THOMAS ALEXANDER MCFARLAND, OF PORTLAND, OREGON.

## SKETCHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 490,159, dated January 17, 1893.

Application filed March 30, 1892. Serial No. 427,095. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS ALEXANDER MCFARLAND, of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Sketching Device, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a front elevation of my improved sketching device; Fig. 2 is a partial side elevation; and Fig. 3 is a perspective view, showing the device in use.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple and effective device for drawing in correct perspective.

My invention consists in a screen formed of a plate of glass ruled longitudinally and transversely with lines formed by slightly grinding or abrading the surface of the glass, leaving the spaces between the lines transparent.

It also consists in an adjustable support for the glass, and an adjustable sight or head-rest, all as will be hereinafter more fully described.

The glass plate A, upon the surface of which the sketch is to be made, is provided with longitudinal and transverse lines arranged preferably at right angles to each other, the said lines being produced by a slight grinding or abrasion of the surface of the glass, thus giving it sufficient "tooth" or roughness to permit of marking on the ground portions of the glass with a pencil or pen.

In practice the lines are so close together and the transparent spaces so small that they can hardly be counted even with a magnifying glass and in reality I produce a ground glass drawing surface provided at intervals with unground or transparent sight spaces. The glass plate A, is inclosed in a frame B, and to the ends of the frame are pivoted metallic strips C, by means of bolts *a*, furnished with wing nuts *b*. The pivoted ends of the strips are bent edgewise toward the center of the frame, and the free ends are bent backward out of the plane of the frame and are attached to wooden bars *c*, which form legs for the frame B. To the under edge of the

frame B, is attached a longitudinally slotted bar *d*, in which are inserted eyes *e*, for receiving the roller *f* to which is clamped the adjustable leg *g*, by the bolt *h*. To the slotted bar *d*, is clamped the arm *i*, by the bolt *j*, and to the side of the arm *i* is clamped the head-rest *k*. The head-rest by this construction is made adjustable along the length of the plate A, to vary the position of the point of sight in a horizontal direction; it is also adjustable vertically, to elevate or depress the point of sight. The plate A is arranged in a vertical plane by swinging the legs *c* or *g*, and the head of the artist is placed against the curved upper end of the head-rest *k*. The sketching is done on the surface of the glass by means of a pencil or crayon, and after the sketch is finished, it is traced off on tracing paper or cloth, and the glass is cleaned, when it is ready for another sketch.

It is obvious, that while the arrangement of lines shown in the drawings and herein described is the best for sketching purposes, I may use only a single set of lines, or I may employ a series of dots formed by abrading the surface of the glass, therefore I do not confine myself to the exact construction herein described.

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

1. In a sketching device, a glass plate having a ground or abraded drawing surface provided at intervals with unground transparent sight spaces, substantially as set forth.

2. In a sketching device, a ground glass plate having on its ground or abraded face unground transparent sight spaces in longitudinal and transverse lines, substantially as set forth.

3. A sketching device, comprising a frame, a ground glass plate therein and having on its ground or abraded face unground transparent sight spaces, rearward inclined outward swinging legs *c c* adjustably pivoted at *a* to the ends of the frame, and a swinging leg *g* pivoted to the lower edge of the frame and inclined oppositely to legs *c c*, substantially as set forth.

4. The sketching apparatus, comprising an open frame having a graduated glass plate

therein through which the artist views the  
landscape or object to be sketched, legs ad-  
justably secured at their upper ends to the  
ends of the frame, a slotted plate on the lower  
5 edge of the frame, an arm having a set screw  
at its inner end extending through the slot, a  
head rest adjustable secured to said arm to  
swing toward and from the frame and the  
swinging leg pivotally connected at its upper  
end with the lower edge of the frame between 10  
the ends thereof, substantially as set forth.

THOMAS ALEXANDER McFARLAND.

Witnesses:

W. C. AVERY,  
A. C. CHURCHIN.