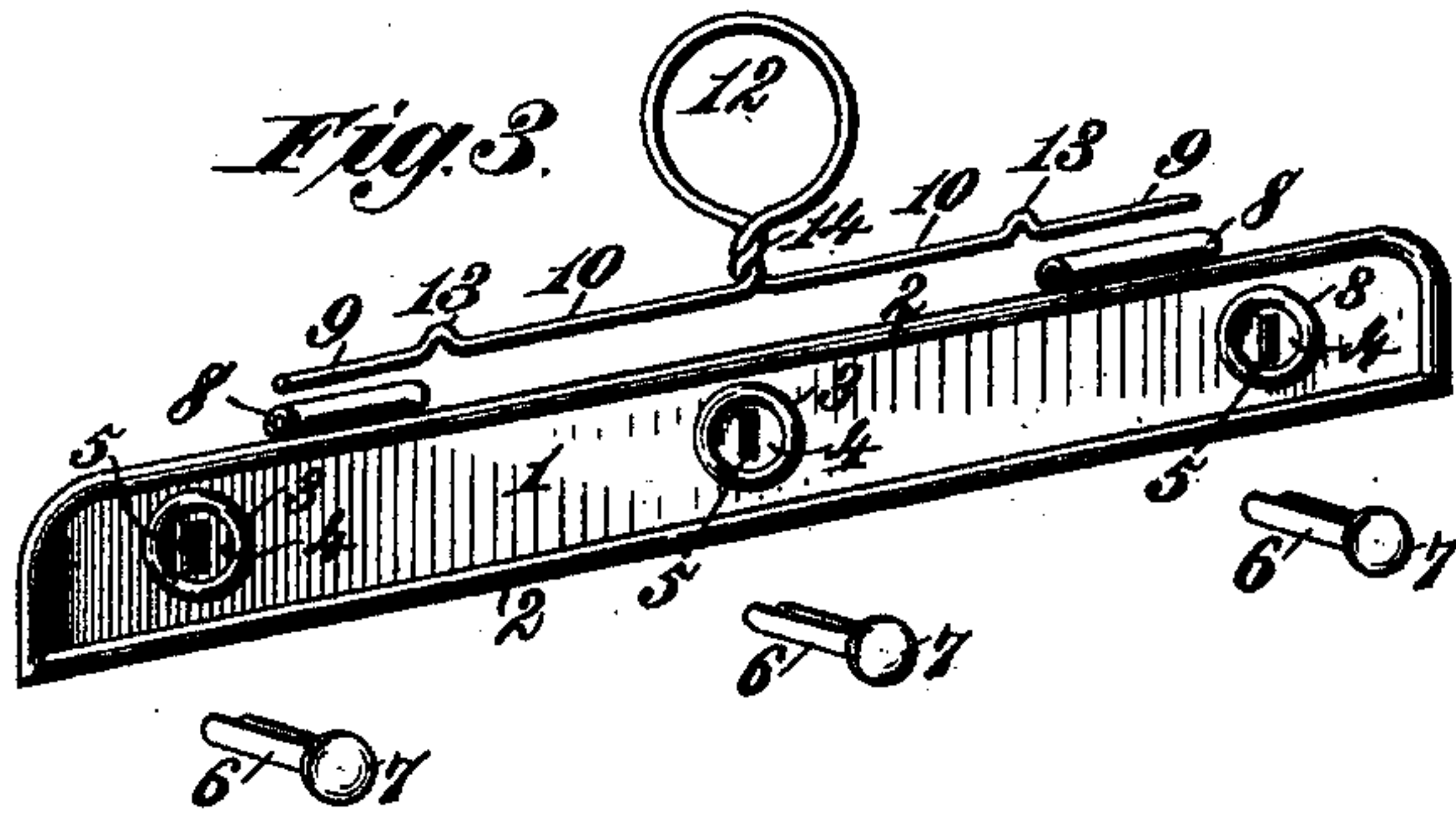
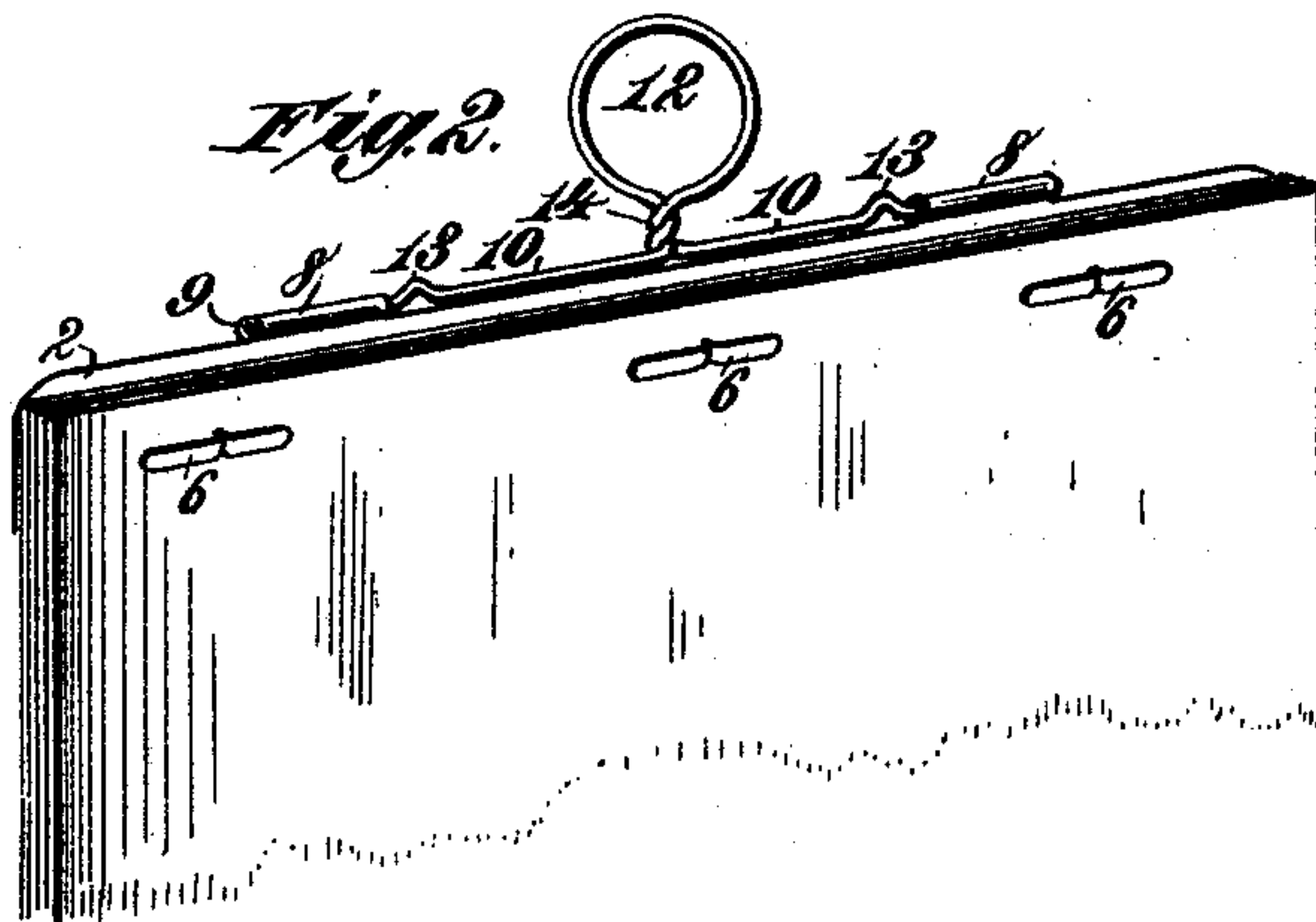
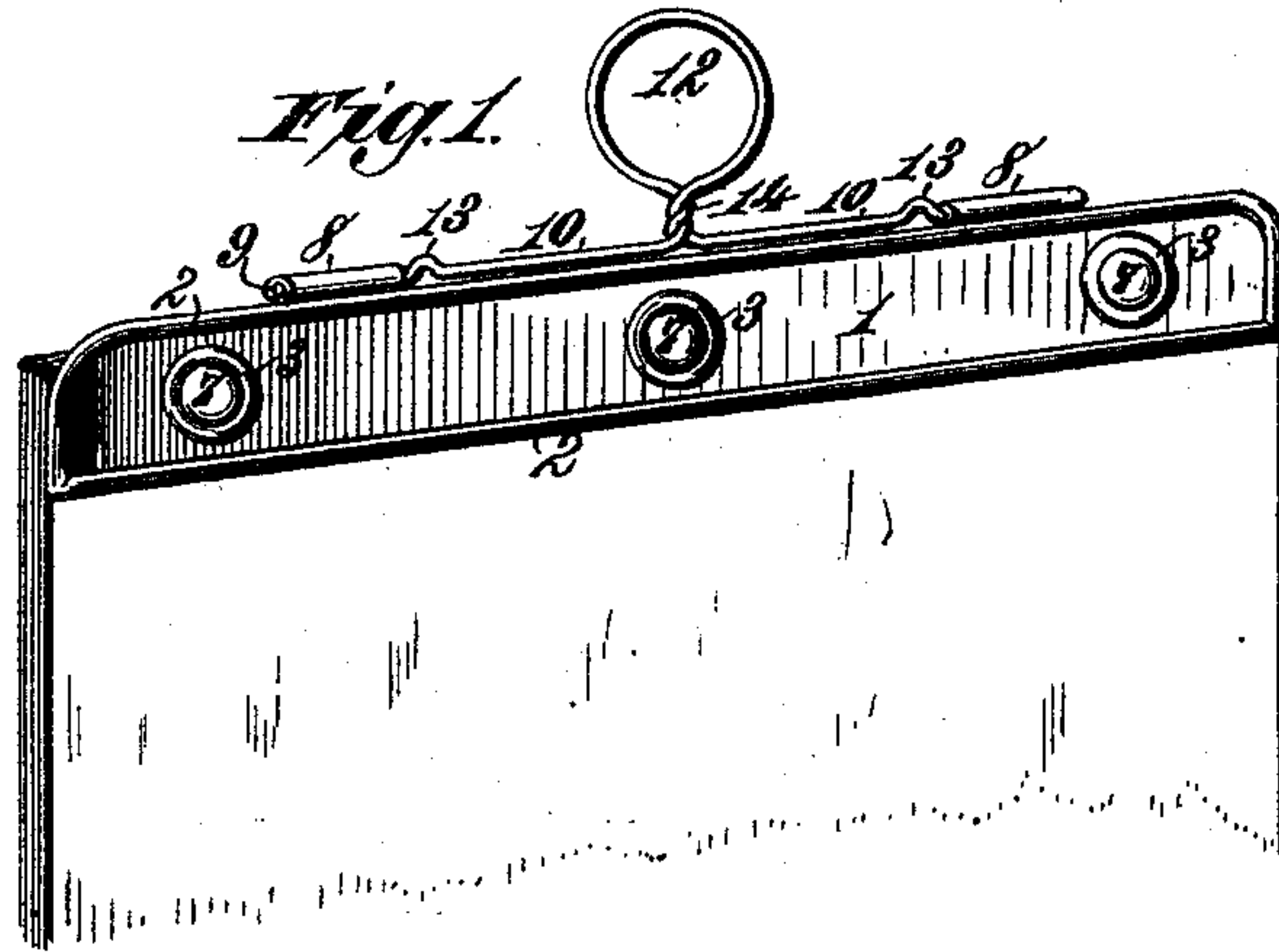


(No Model.)

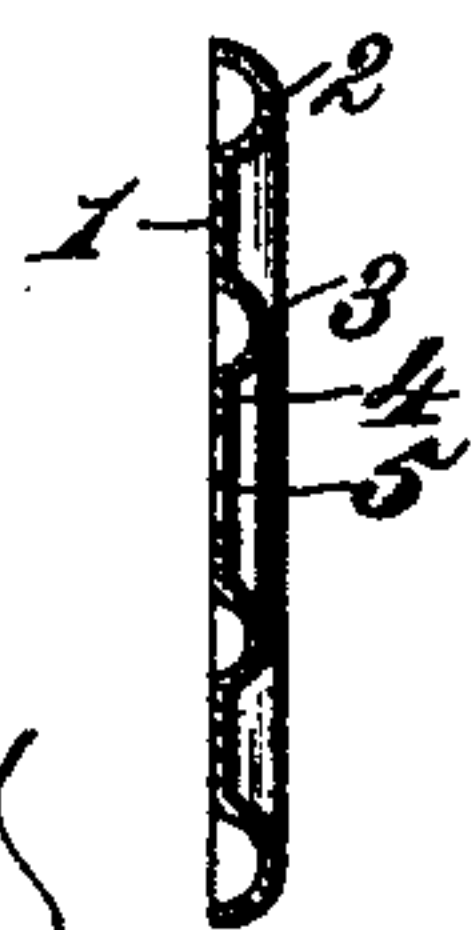
G. W. MCGILL.  
SUSPENDING DEVICE.

No. 414,074.

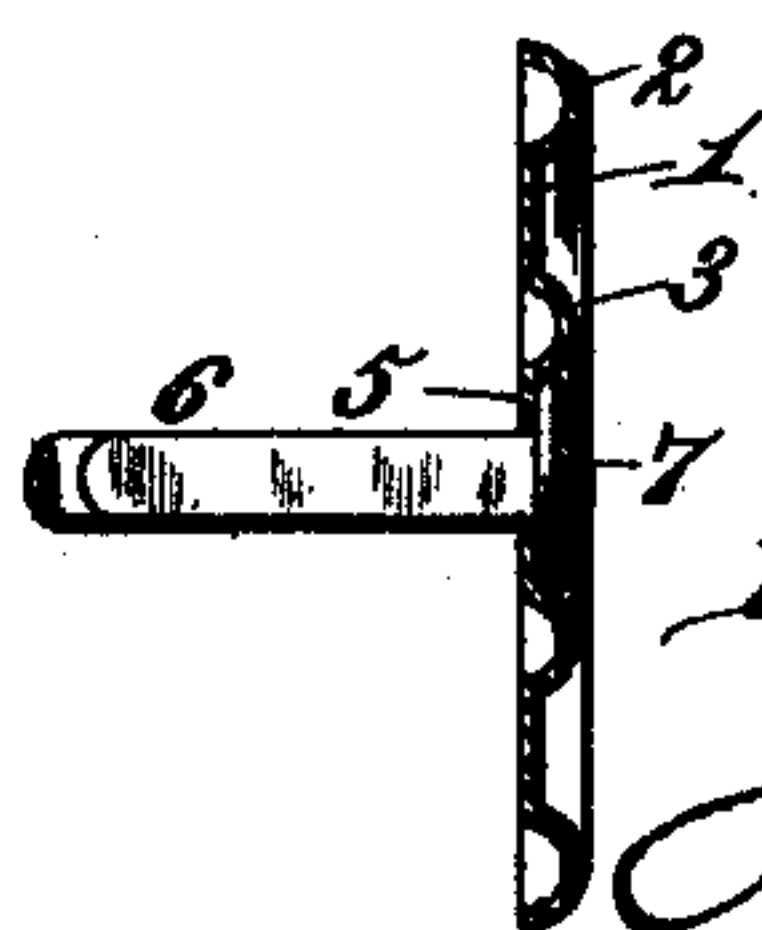
Patented Oct. 29, 1889.



*Fig. 4.*



*Fig. 5.*



Witnesses,  
*Robert Emmett*  
*J. A. Rudenford*

Inventor:  
*George W. McGill*  
By *James L. Norris*  
Atty.



# UNITED STATES PATENT OFFICE.

GEORGE W. MCGILL, OF RIVERDALE, NEW YORK.

## SUSPENDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 414,074, dated October 29, 1889.

Application filed July 22, 1889. Serial No. 318,312. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. MCGILL, a citizen of the United States, residing at Riverdale, in the county of New York and State of New York, have invented new and useful Improvements in Suspending Devices, of which the following is a specification.

This invention relates to that type of suspending devices wherein a sheet-metal plate is provided with a ring by which to suspend it, and with pins or prongs for attaching a card or similar article, as in Letters Patent No. 175,723, issued to me April 4, 1876.

The objects of my present invention are to improve the efficiency of such devices by rendering them capable of more general application; to provide a novel device having detachable duplex-pronged fasteners, whereby any desired number of paper or other sheets can be suspended; to provide a novel suspending device having orifices so constructed and adapted that the prongs or limbs of the fasteners can be conveniently spread laterally in opposite directions in the plane of the suspension-plate; to provide novel means for loosely connecting the suspension ring or loop with the fastener-carrying plate, whereby the ring or loop can swing thereupon, and to provide means for preventing movement of the hinged ring or loop along the length of the fastener-carrying plate.

The objects of my invention I accomplish in the manner and by the features of construction and combination of devices herein after described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a perspective view looking at the front side of my improved suspending device. Fig. 2 is a similar view looking at the rear side of the same. Fig. 3 is a perspective view showing the parts separated from each other. Fig. 4 is a sectional view through the plate, omitting the fasteners; and Fig. 5 is a similar view showing a fastener in position.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates the suspension-plate, which is stamped or otherwise produced

from sheet-brass or any other metal, with a raised border 2 extending continuously around its margin, and with a series of annular beads 3 about seats 4, which contain rectilinear orifices or slots 5 for the passage of the pronged fasteners 6, which are furnished with heads 7 to rest in the seats 4. The beads 3 and fastener-heads 7 are here shown as circular; but obviously they may be of any desired form or shape.

The fasteners can be removed and replaced at will, and are exhibited as being of that type known as "McGill's Round-Head Paper-Fasteners," which comprise two prongs adapted to be bent or spread laterally in opposite directions after passing through the card or papers to be attached to the suspension-plate.

The side edges of the rectilinear orifices or slots 5 adapt the prongs or limbs of the fasteners to be bent or spread laterally in opposite directions in the plane of the suspension-plate. The plate is provided at its upper edge with a pair of separated tubular portions or sections 8, which are preferably formed by stamping the plate integral with two projecting lips that are subsequently bent into tubes or into tubular form round the journals 9 on the two arms 10 of the suspension ring or loop 12. The arms 10 are each provided with a bend to form a shoulder 13 adjacent to the inner end of a tubular extension, the object of which is to retain the journals of the arms in correct position by preventing them from undue lengthwise movement, and the ring or loop 12 is permanently held in correct form by twisting its neck or shank 14. By this construction the suspension ring or loop is hinged to the fastener-carrying plate through the medium of efficient but economical means, and the whole constitutes a very desirable, satisfactory, handsome, and comparatively inexpensive suspending device for cards, papers, and like articles.

The number of paper or other sheets that can be suspended or held is only limited by the length of the fastener-prongs, and by making the fasteners removable they can be detached and longer or shorter fasteners substituted therefor.

What I claim is—

1. A suspending device consisting of a plate having a suspension ring or loop and a series

of orifices or slots between its edges, and detachable duplex-pronged fasteners to pass through the article to be suspended and be spread laterally in opposite directions in the plane of the plate, substantially as described.

5 2. A suspending device consisting of a plate having a suspension ring or loop and formed with the annular beads 3, and seats 4, having orifices or slots 5, and detachable duplex-  
10 pronged fasteners having heads adapted to said seats, substantially as described.

3. A suspending device consisting of a plate having tubular portions and fasteners for securing the article to be suspended, and a  
15 hinged suspension ring or loop comprising a twisted neck or shank, and two arms respectively engaging the tubular portions, substantially as described.

4. A suspending device consisting of a plate having a series of orifices or slots and a pair  
20 of tubular portions, the duplex-pronged fasteners having heads and adapted to be removed and replaced, and a ring or loop having two arms extending along the plate, journaled in the tubular portions, and having  
25 shoulders to respectively bear against the latter and prevent undue lengthwise movement of the arms, substantially as described.

In testimony whereof I have affixed my signature in presence of two witnesses.

GEORGE W. MCGILL.

Witnesses:

HENRY SCOTT,  
LEONIDAS R. HALL.