

No. 715,405.

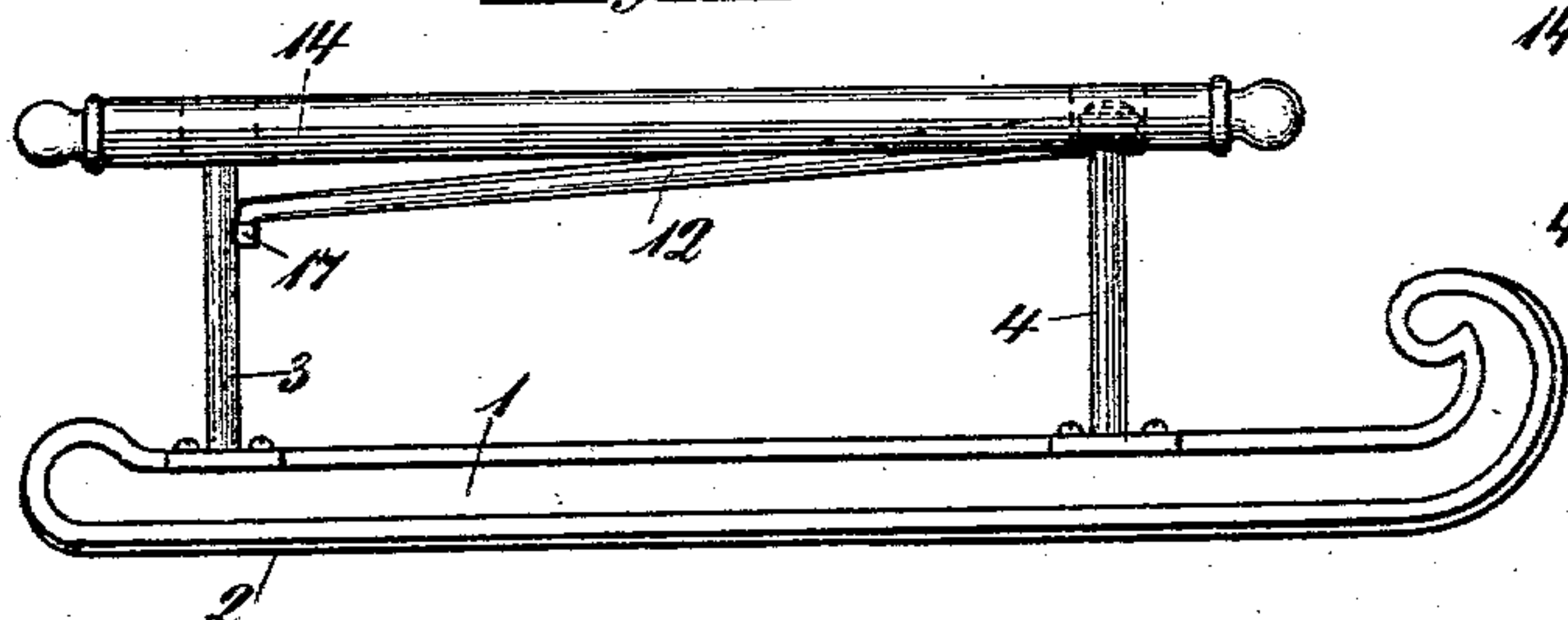
Patented Dec. 9, 1902.

J. MAUSER.  
HAND SLED.

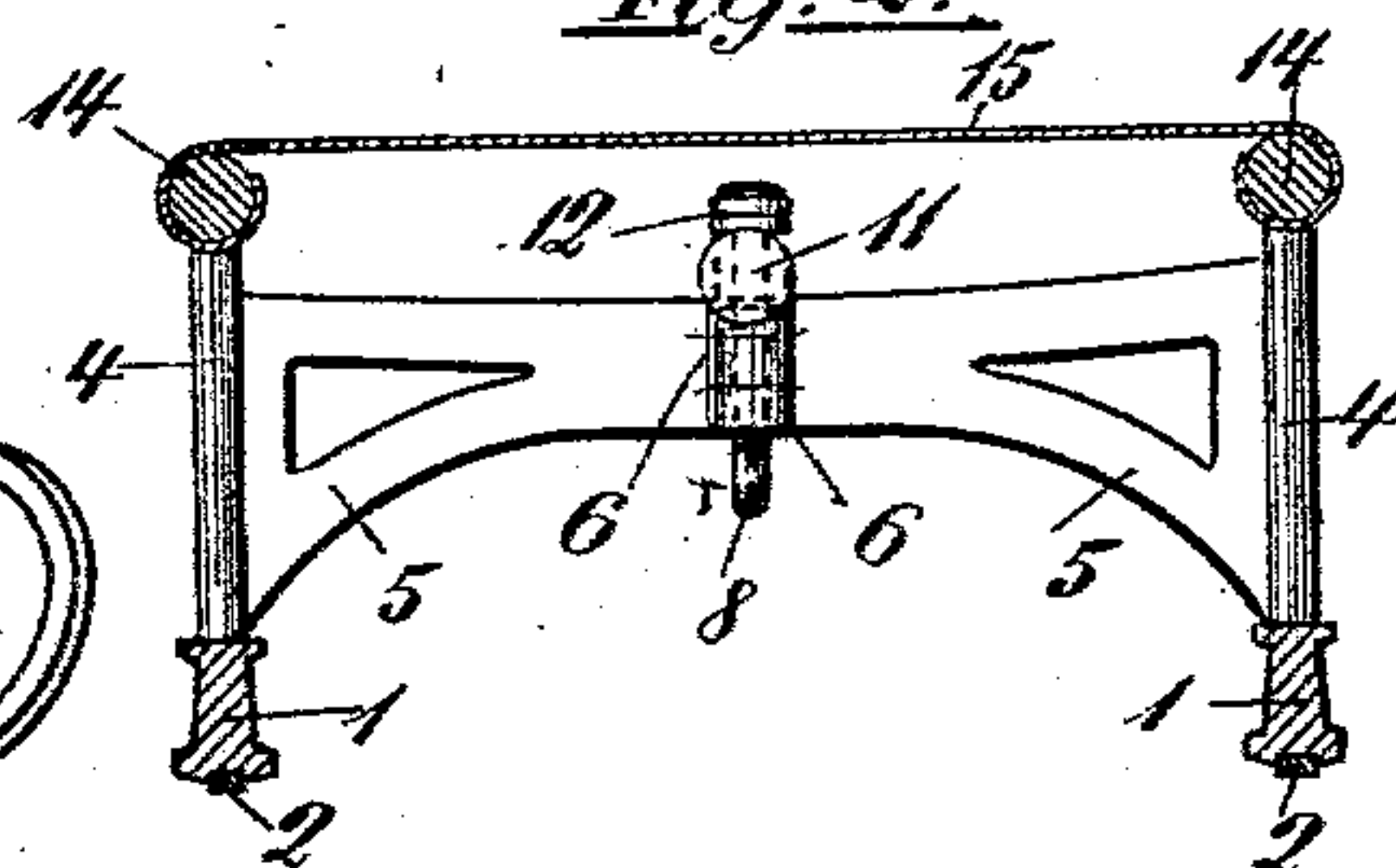
(Application filed Aug. 20, 1902.)

(No Model.)

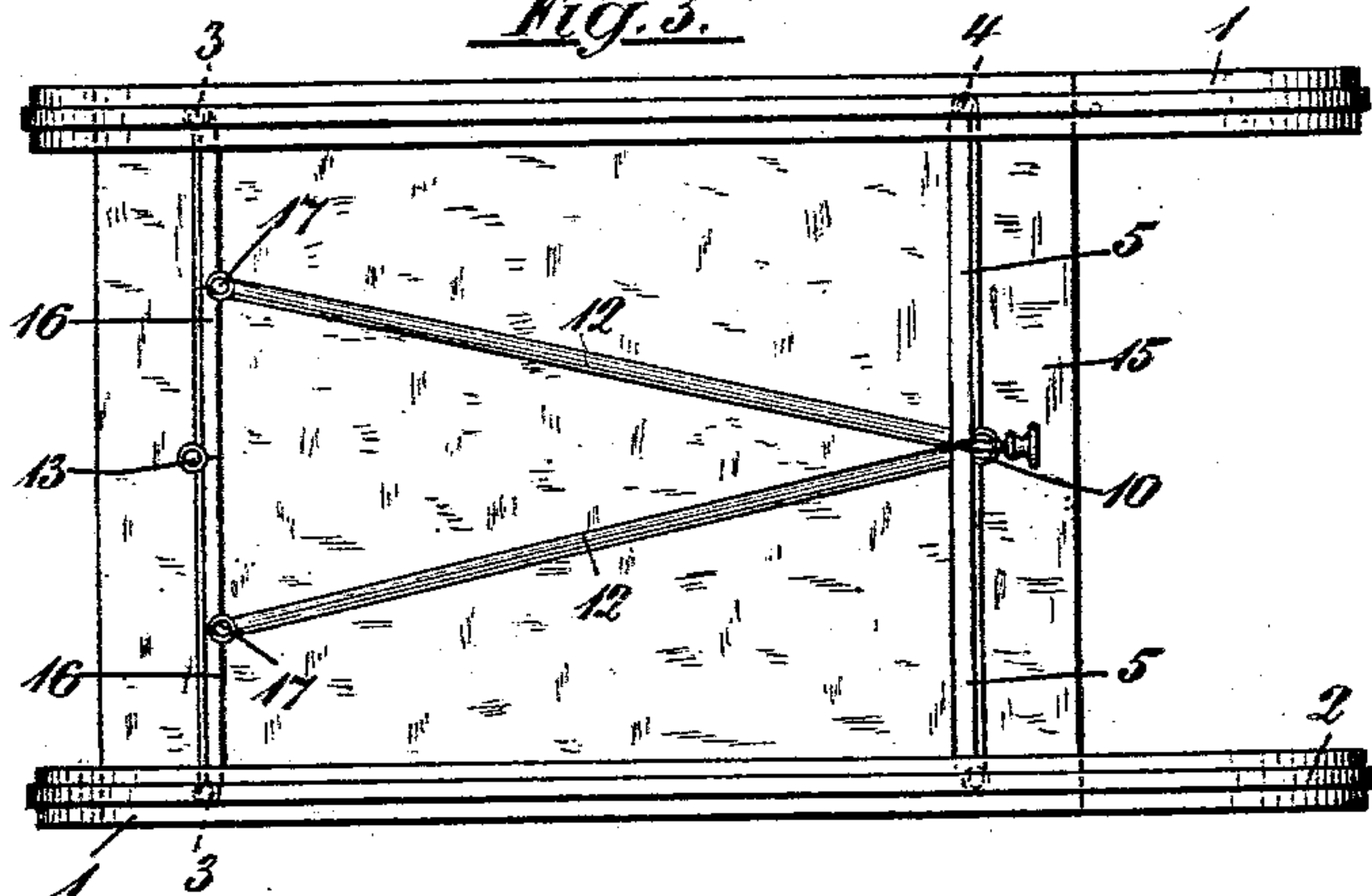
*Fig. 1.*



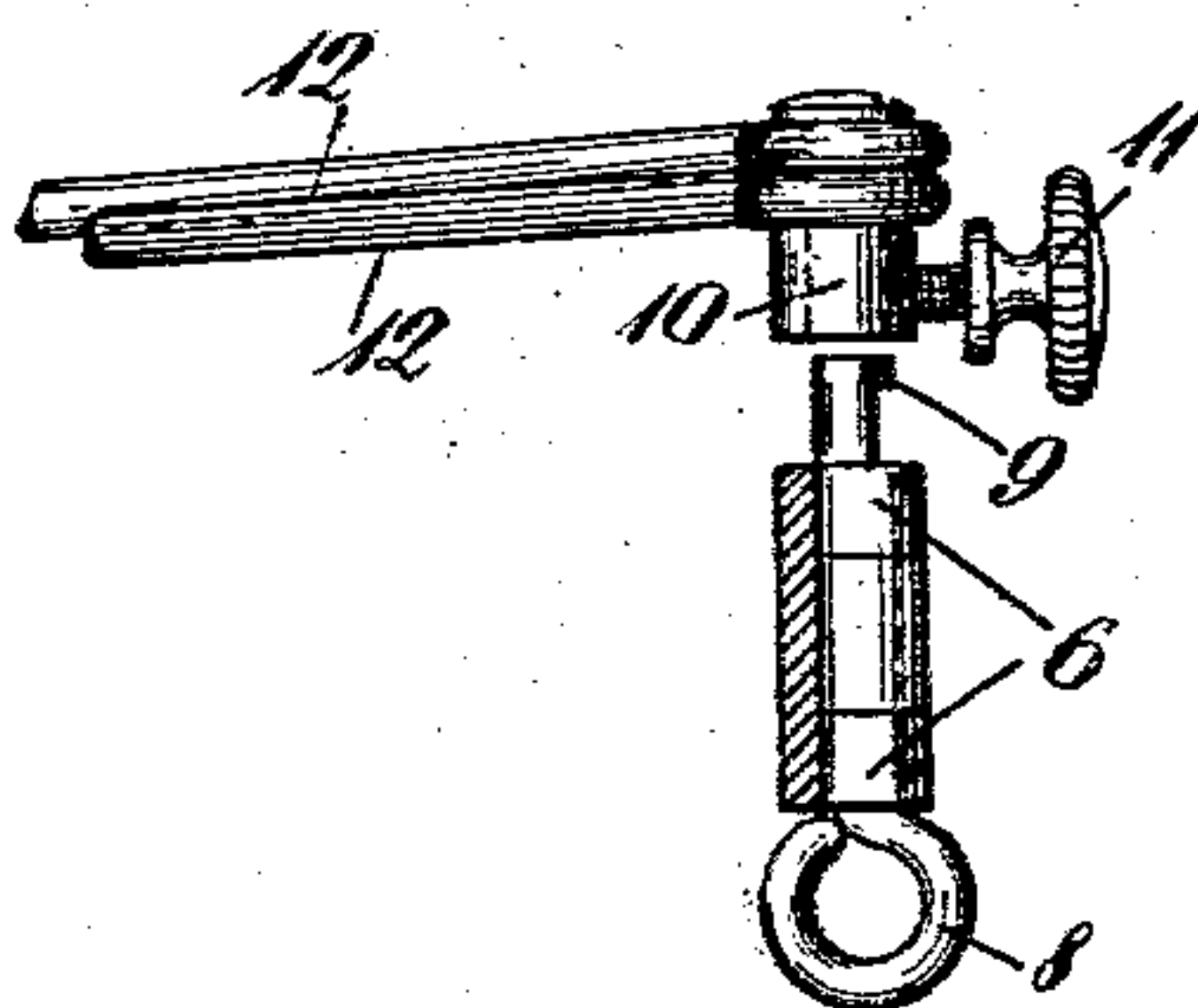
*Fig. 2.*



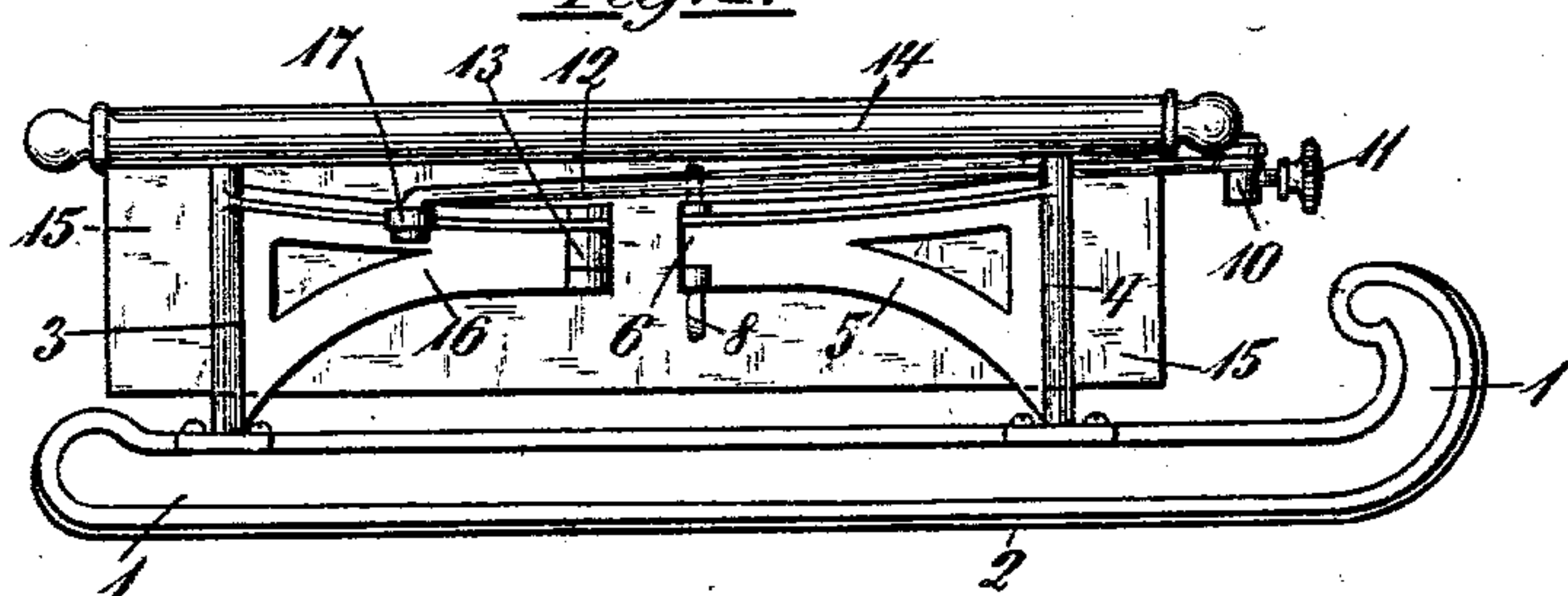
*Fig. 3.*



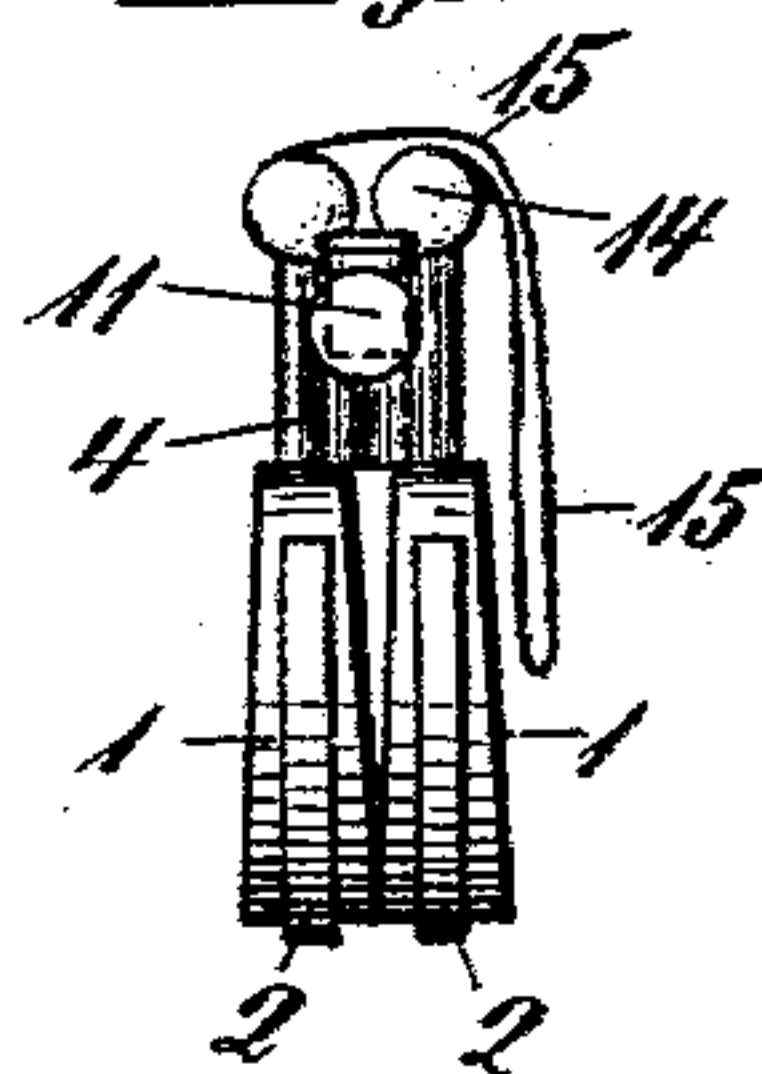
*Fig. 7.*



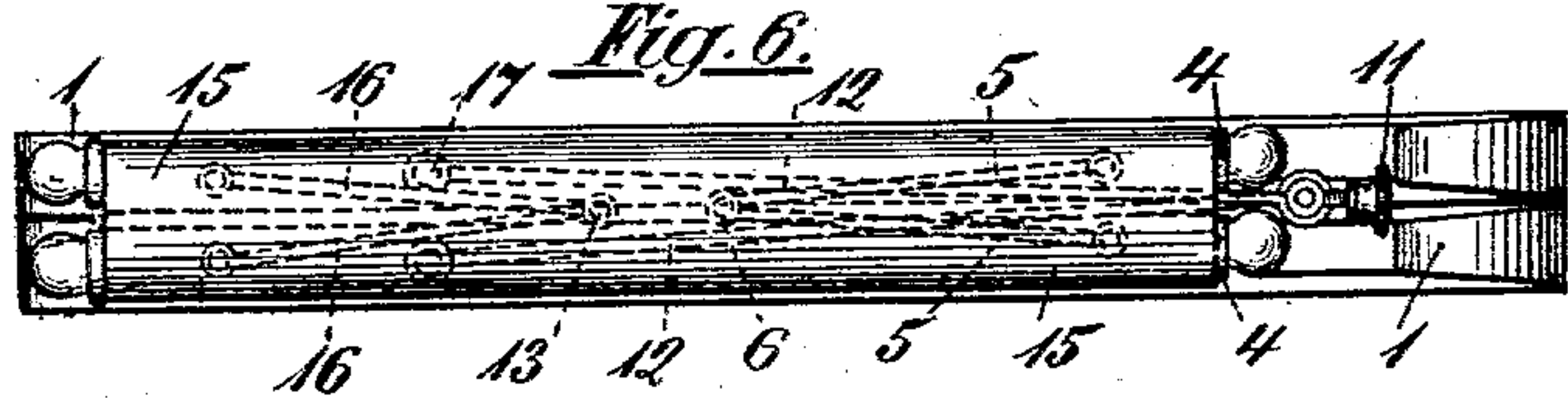
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



Witnesses:

Alice Short  
Anton Glesner,

Inventor:

Johann Mauser  
by Max Mehl  
his attorney.



# UNITED STATES PATENT OFFICE.

JOHANN MAUSER, OF ESSLINGEN, GERMANY.

## HAND-SLED.

SPECIFICATION forming part of Letters Patent No. 715,405, dated December 9, 1902.

Application filed August 20, 1902. Serial No. 120,407. (No model.)

*To all whom it may concern:*

Be it known that I, JOHANN MAUSER, a citizen of the German Empire, residing at Mittlerer Beutuanstrasse 11, Esslingen, Württemberg, Germany, have invented certain new and useful Improvements in Hand-Sleds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a hand-sled especially for personal use and sporting purposes which is easily collapsed and again brought into a condition ready for use. It is capable of being conveniently carried when collapsed to the place where it is to be used and in a short time there made ready for use, and vice versa.

In the somewhat restricted range of winter amusements traveling on small sleds or tobogganning is largely indulged in and is a favorite sport; but the conveying or dragging of the sled to the place from whence the participants are to begin the descent of the slope and in ascending the slope after the descent is usually found very annoying, because the sleds employed have a form unsuitable for being carried, pulled, or dragged.

The object of this invention is a hand-sled which can be readily collapsed, is convenient and portable, and may be easily again placed in a condition ready for use. The seat consists of strong sail-cloth, canvas, or the like, which is fixed at both sides to horizontal supporting-rods firmly connected with the runners by uprights. These uprights form at the same time supports for the stiffening-arms mounted pivotally thereon, which arms in turn are connected with one another by releasable stiffening-stays.

An embodiment of my invention is shown in the accompanying drawings, in which—

Figure 1 is a side elevation of the sled. Fig. 2 is an end elevation. Fig. 3 is a bottom plan view. Fig. 4 is an elevation of the sled collapsed. Fig. 5 is an end elevation of the collapsed sled. Fig. 6 is a top plan view in a collapsed condition, and Fig. 7 is an enlarged detail view of the connection between the stays and braces.

The seat-supporting rods 14 are connected with one another by strong canvas or the like

15, each rod being connected at or near both ends by uprights 3 and 4 to the runners 1, the latter being provided beneath in the usual manner with narrow treads or irons 2, on which they run. Bent stiffening-arms 16 and 5 are pivotally mounted on the uprights 3 and 4, which bent arms are connected with one another in pairs, after the fashion of hinges, by means of pins 13 and 8, respectively. Stays 12, pivotally mounted on pins 17, are arranged in order to stiffen the two rear bent arms 16 and the two front ones 5, the stays 12 being mounted on the arms 16 and connected with one another at their other ends or in front by sockets 10, Fig. 7. In the socket 10 a set-screw 11 is mounted, which after the socket has been placed over the pin 8 is screwed into the same, the pin being provided with a notch 9. By this means the rear pair of stiffening-arms 16 is secured to the front pair 5 and stayed. In order to release this connection, it is only necessary to slacken the set-screw 11 and to lift the socket 10 off the pin 8, after which the bent stiffening-arms 16 and 5, connected with one another, after the manner of a hinge, are turned and the sled may be collapsed into the form shown in Figs. 4 and 6.

Of course the sled may be provided in any suitable manner with brake devices and arms either on the runners or on laterally-projecting parts arranged for receiving the same. A special handle for dragging or carrying the sled when in a collapsed condition may also be provided.

Having now particularly described and ascertained my invention, I declare that what I claim is—

1. A collapsible sled comprising runners, a flexible seat supported by the runners, pivoted transverse braces connecting the two runners, and removable means for holding the said braces in operative position to support the runners and hold the seat extended.

2. In a collapsible sled, two side portions each consisting of runners and supporting-rods, uprights connecting the runners and supporting-rods, a flexible covering attached to the rods and forming a seat, braces pivoted to the opposite sides and extending transversely and meeting in a hinged connection beneath the seat, stays serving to hold the



transverse braces, and means for causing the sled to collapse.

3. In a collapsible sled, two side portions each consisting of runners and supporting-  
5 rods, uprights connecting the runners and rods, a flexible covering attached to the rods and connecting the two side portions thus forming a seat, two pairs of braces pivoted to  
10 the opposite sides and extending transversely and meeting in a hinged connection beneath the seat, stays connecting and serving to hold rigid the two pairs of transverse braces, and  
means for causing the sled to collapse.

4. A collapsible sled having a flexible seat  
15 secured on opposite sides to supporting-rods, uprights connecting the runners with the rods, a plurality of two-part transverse braces pivoted to the uprights on opposite sides and having a hinged connection beneath the seat,  
20 removable stays connecting and holding rigid the two-part braces.

5. A collapsible hand-sled, in which rods supporting a seat formed of canvas or the like rest on uprights connected with runners, on  
which supports bent stiffening-arms are piv- 25 otally mounted connected in pairs with one another as by a hinge, which bent stiffening-arms may be firmly connected with one another by means of two stays pivotally mounted on one of the pairs of bent arms, said stays 30 being joined at their other ends by a common socket, said socket being adapted to be secured by means of set-screws to the projecting hinge-pin of the other pair of bent stiffening-arms, substantially as hereinbefore described 35 and set forth.

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

JOHANN MAUSER.

Witnesses:

AUGUST DRAUTZ,  
ERNST ENTEMNARD.