

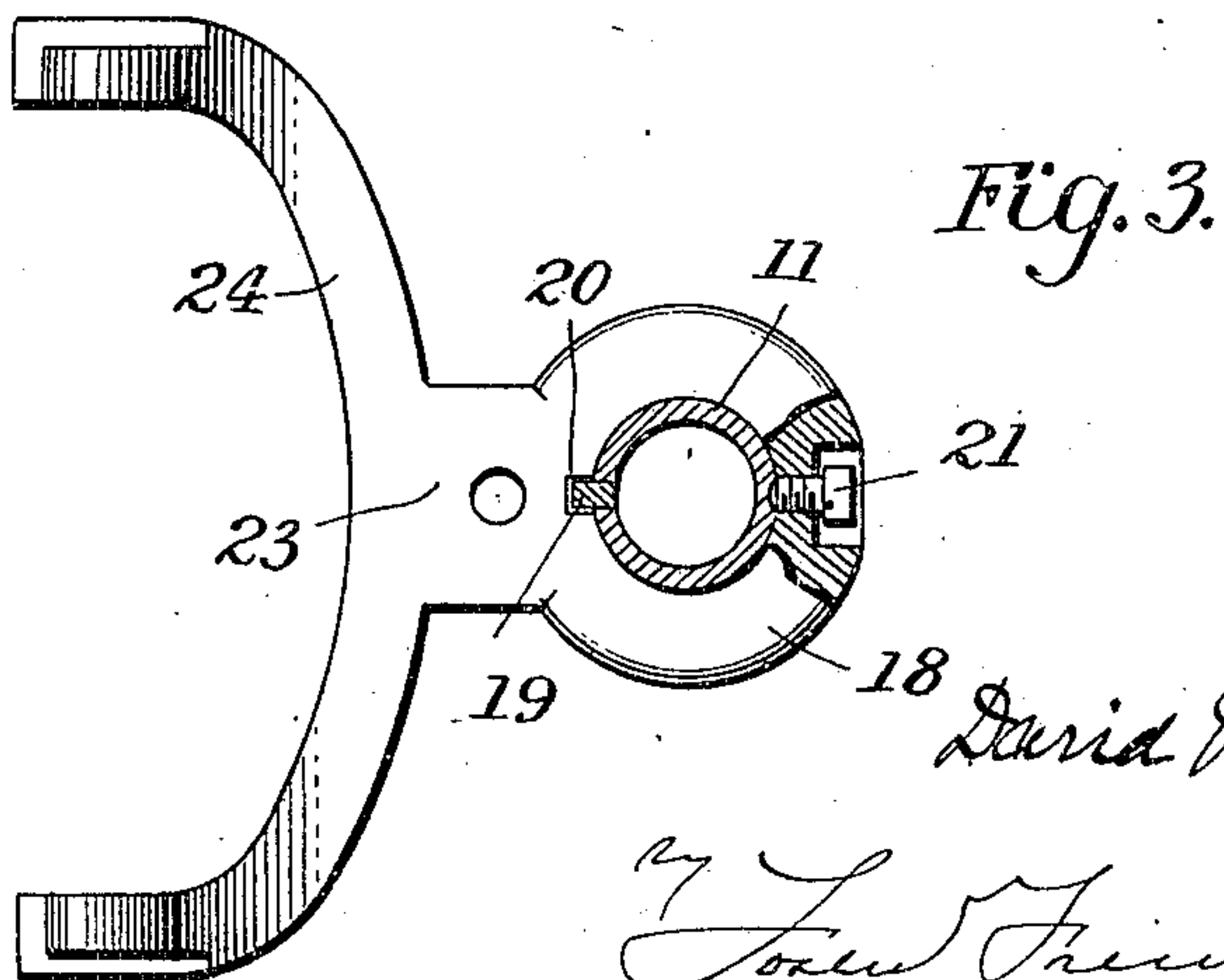
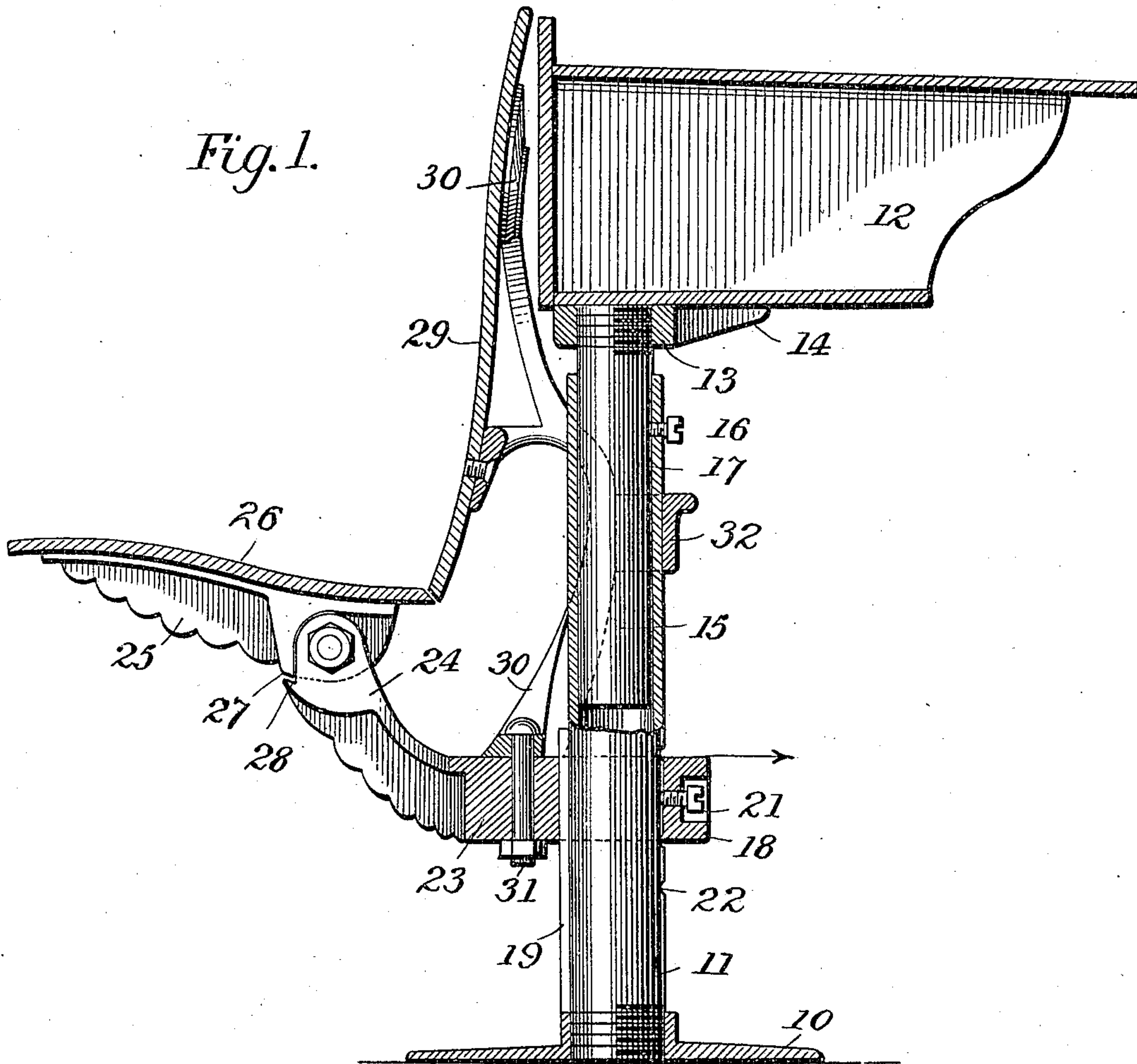
No. 837,020.

PATENTED NOV. 27, 1906.

D. W. WINBURN.
SCHOOL DESK.

APPLICATION FILED SEPT. 4, 1903.

2 SHEETS—SHEET 1.



Witnesses

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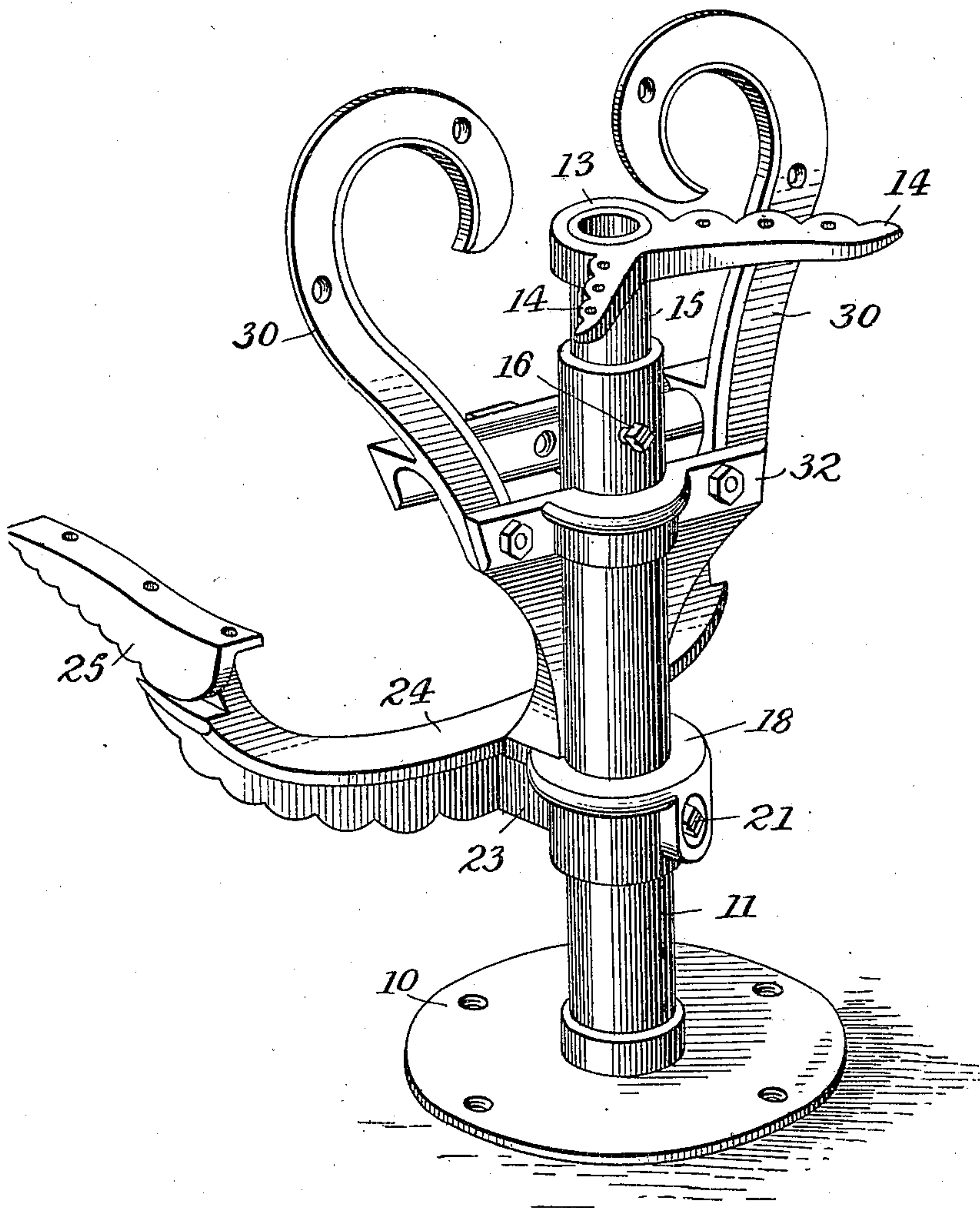
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Fig. 2.



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UNITED STATES PATENT OFFICE.

DAVID W. WINBURN, OF ATLANTA, GEORGIA.

SCHOOL-DESK.

No. 837,020.

Specification of Letters Patent.

Patented Nov. 27, 1906.

Application filed September 4, 1903. Serial No. 172,008.

To all whom it may concern:

Be it known that I, DAVID W. WINBURN, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in School-Desks, of which the following is a specification.

This invention relates to school-desks and seats, the object being to generally improve the construction of devices of this character.

The invention will be fully described hereinafter, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical section; Fig. 2, a perspective view of the supporting devices for the seat, seat-back, and the desk. Fig. 3 is a cross-section through the standard and the hub slidably mounted on it.

10 is a floor-plate or foot preferably circular in form and provided with suitable holes for the passage of screws or similar devices for fastening it to the floor. Connected to the floor-plate is a standard 11, comprising a tubular upright, and while this standard may be attached to the floor-plate in any suitable manner I prefer to screw it into the plate.

The desk is indicated by 12, and a casting consisting of a hub 13 and diverging arms 14 is secured to the bottom of the desk. The hub is threaded interiorly, and a tubular stem 15 is screwed into it. This stem fits snugly in the tubular standard 11 to slide therein. A set-screw 16 is fitted in the standard near its upper end and engages the stem 15 to lock it in position. Preferably the stem 15 will have a series of depressions 17, into which the end of the set-screw will enter and prevent the stem from slipping.

A sleeve 18 is fitted to slide upon the standard 11, and preferably a rib 19 is formed on the standard, and the sleeve is provided with a groove 20, into which the rib extends to prevent the sleeve from turning on the standard. The sleeve is provided with a set-screw 21 for engaging the standard to lock the sleeve in position thereon, and preferably the standard will have a series of depressions 22, into which the end of the set-screw will enter to prevent the sleeve from slipping on the standard.

A short neck 23 extends laterally from the sleeve, and a curved bar 24 is rigidly connected to the neck. Preferably the sleeve, neck, and curved bar will be integral; but they may be separate parts rigidly connected together. To the ends of the curved bar 24 are hinged two arms 25, secured to the under side of the seat 26. The arms and the bar are respectively provided with shoulders 27 and 28, adapted to engage each other and limit the downward movement of the seat. The seat may be turned up out of the way when not in use.

The seat-back 29 is carried by a forked support 30, the lower end of which is supported on the neck 23 and firmly secured thereto by a bolt 31, passing through the crotch of the fork and the neck. The seat and back may therefore be adjusted together vertically on the standard 11. A bar 32, having its middle portion curved to fit on the standard 11, is bolted to the two prongs of the forked support 30 and serves as a guide and brace for the seat and back supports.

From the foregoing it will be seen that the desk can be adjusted vertically independently of the seat and back, and vice versa; also, that the desk may be removed entirely, if desired.

As the several parts of the supporting devices can be easily detached one from the other, they can be packed in a small space for transportation and storage, and the means employed for connecting them together enables the desks to be set up very expeditiously.

Without limiting myself to the precise details of construction illustrated and described, I claim—

1. The combination with a standard, of a sleeve slidably mounted thereon, a neck extending from the sleeve, a seat-support rigidly connected to the neck, a seat-back support comprising a fork the prongs of which are connected to the seat-back, and a bolt passing through the crotch of the fork and said neck for detachably connecting the seat-support and seat-back support, substantially as set forth.

2. The combination with a standard, of a sleeve slidably mounted thereon, a seat-sup-

port rigidly connected to the sleeve, a fork
detachably connected to the seat-support, a
seat-back secured to the prongs of the fork,
and a bar 32 secured to the prongs of said
5 fork and having a curved middle portion to
fit on said standard, substantially as set
forth.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

DAVID W. WINBURN.

Witnesses:

MARION H. SMITH,
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