

T. H. KNIGHT.
REVOLVING BOOK AND FILE CASE.
APPLICATION FILED AUG. 12, 1909.

969,959.

Patented Sept. 13, 1910.

2 SHEETS—SHEET 1.

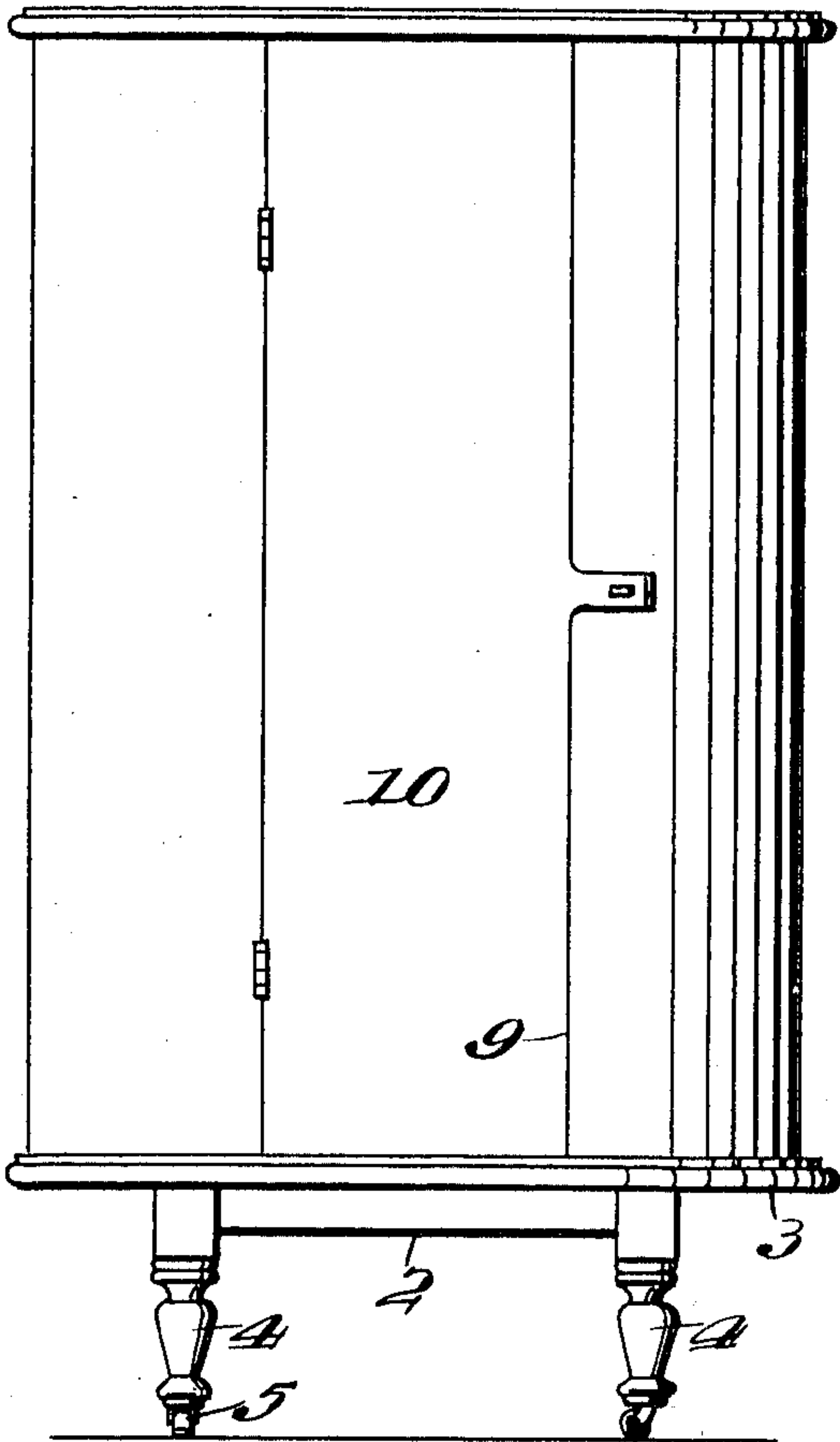


Fig. 1.

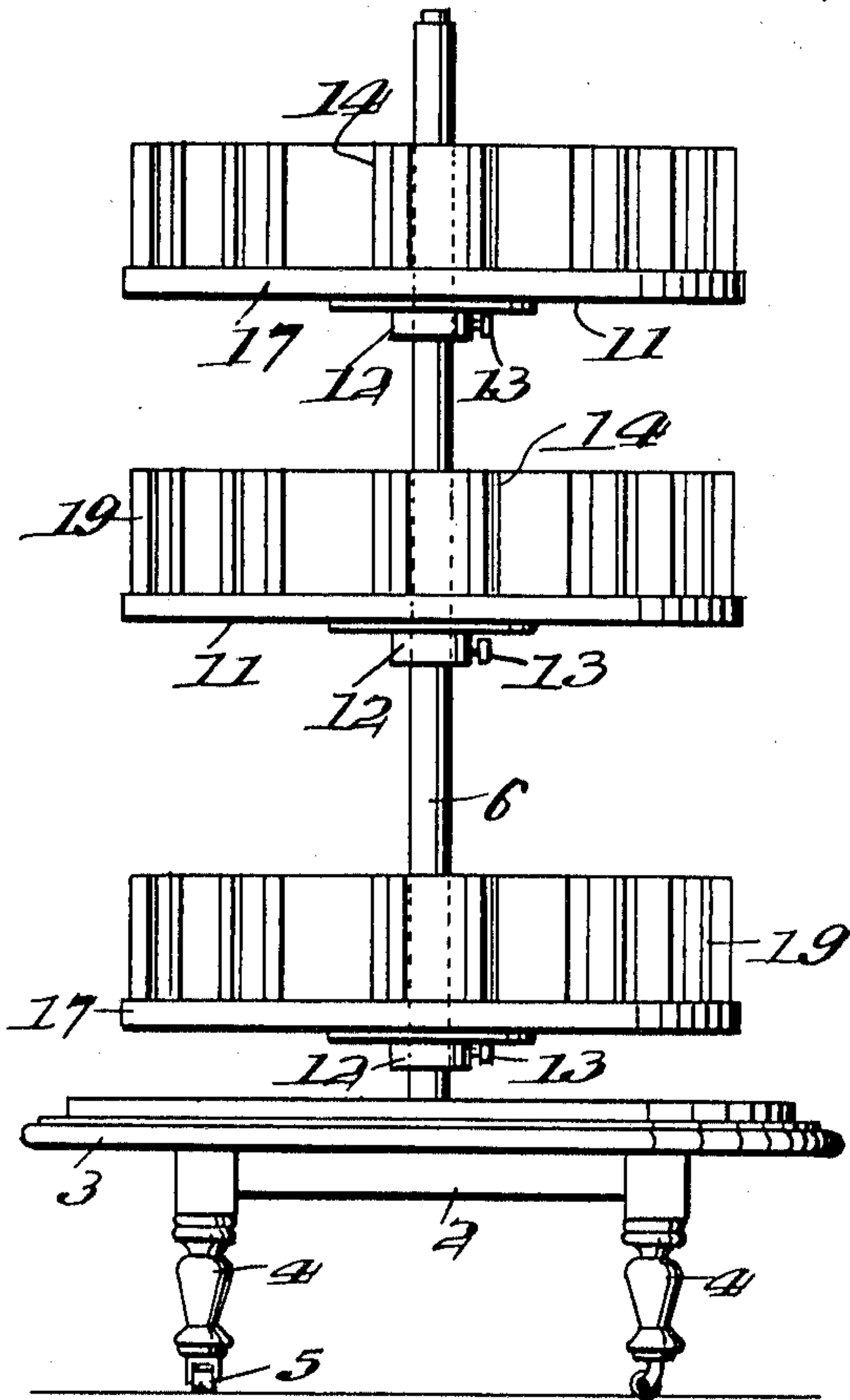


Fig. 2.

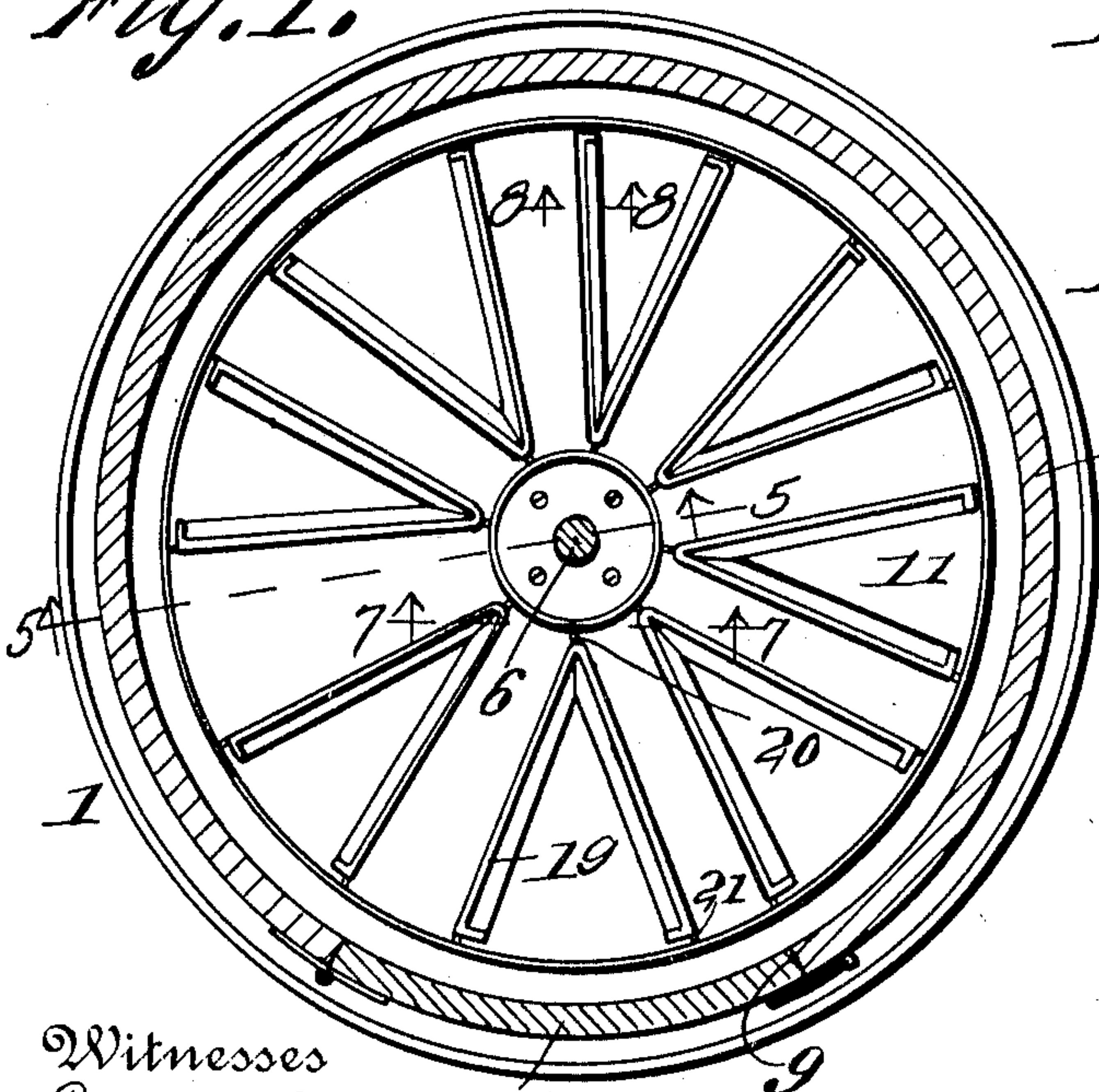


Fig. 4.

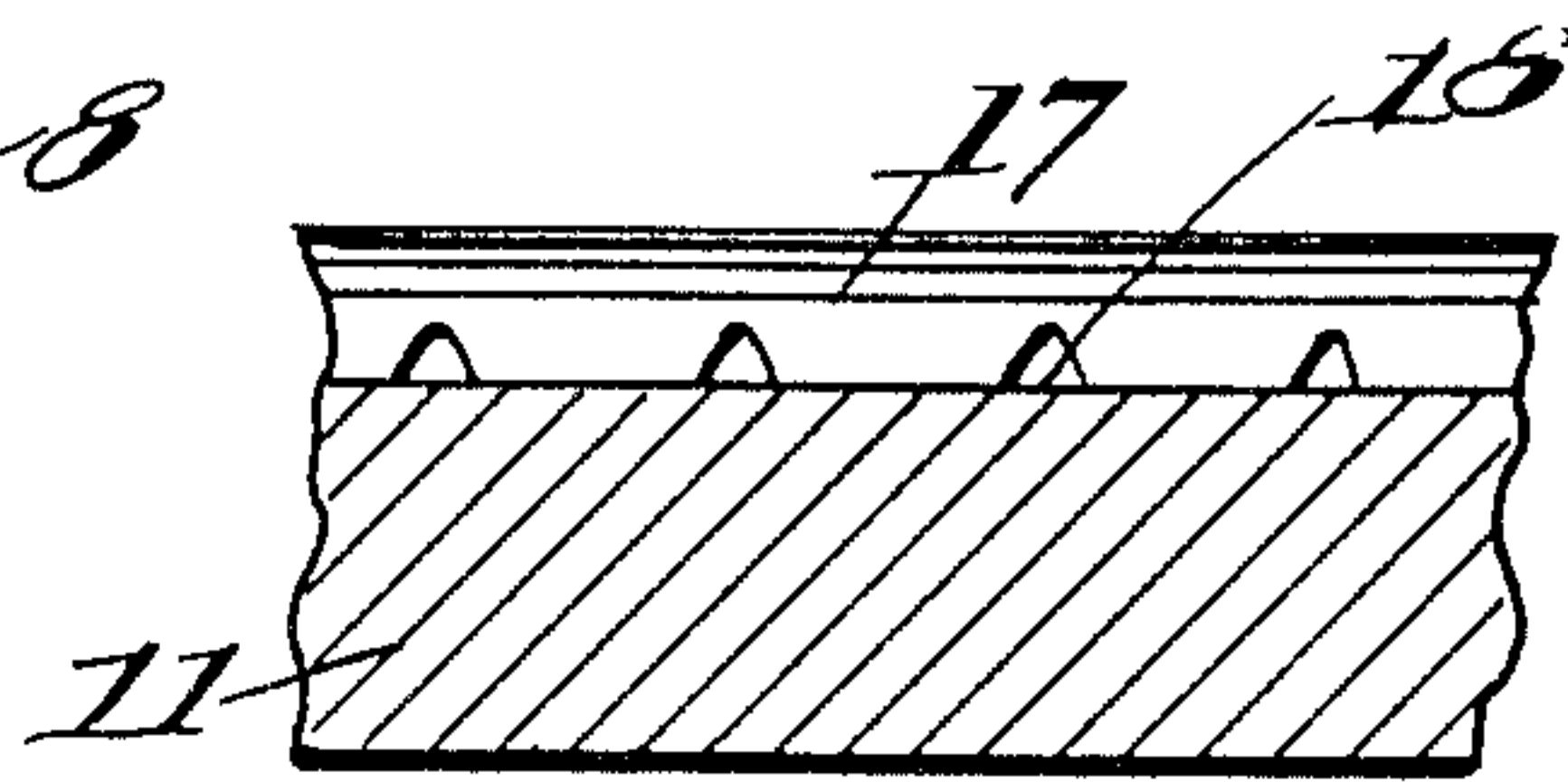


Fig. 8.

Inventor

Witnesses
E. D. Brown. 10
C. H. Giesbauer.

T. H. Knight,
by A. B. Wilson & Co.
Attorneys

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2 SHEETS—SHEET 2.

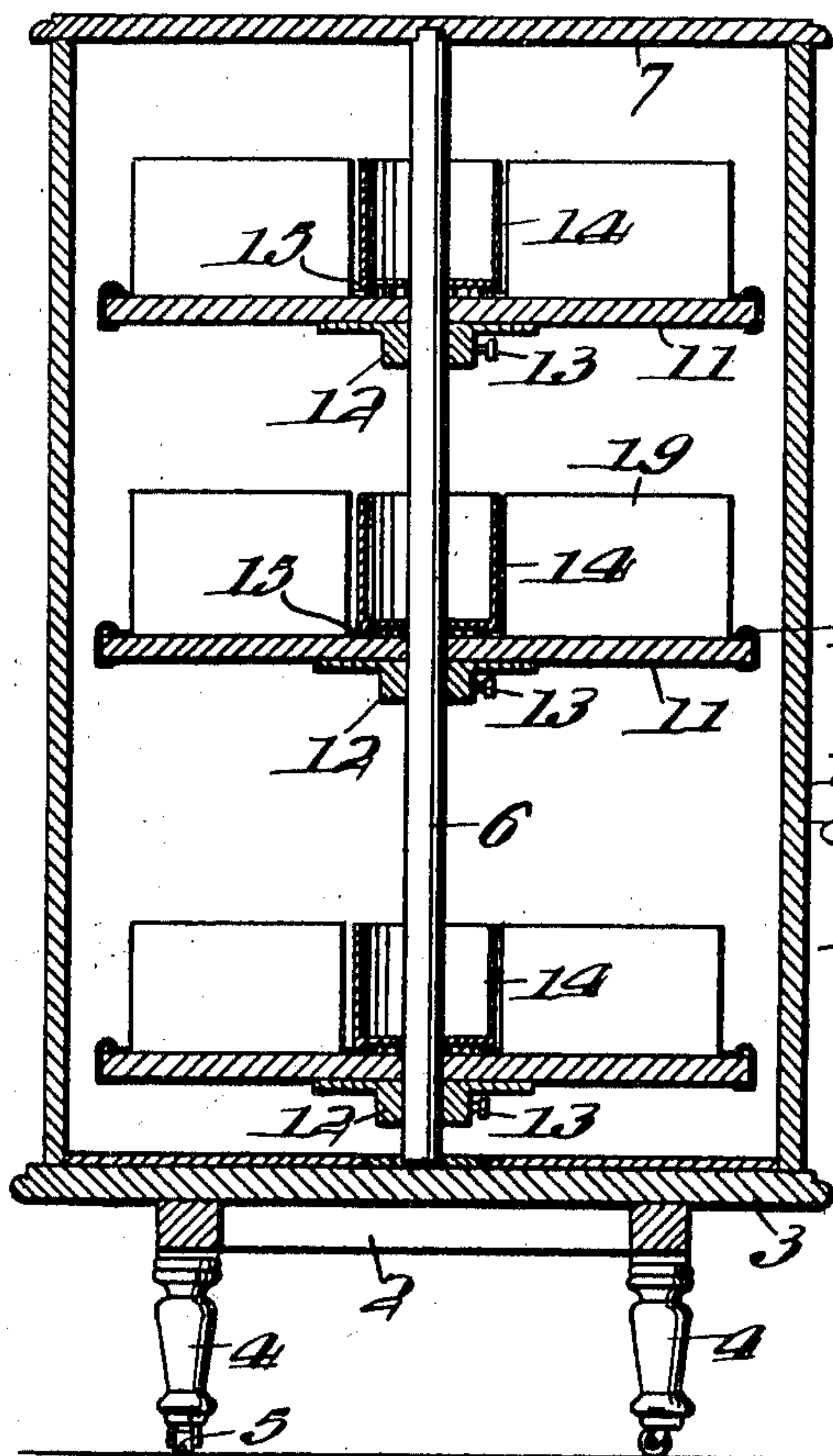


Fig. 6.

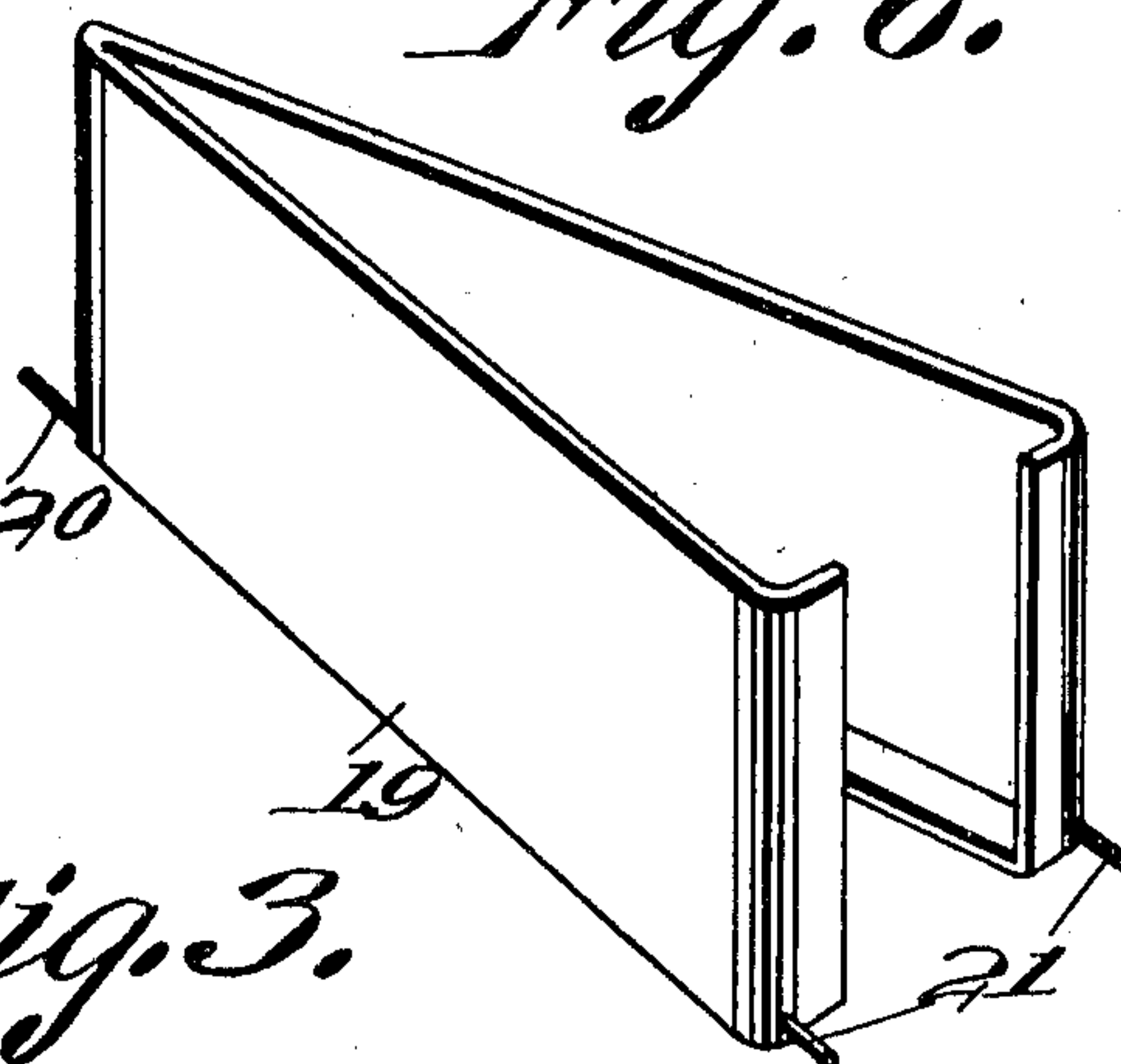


Fig. 3.

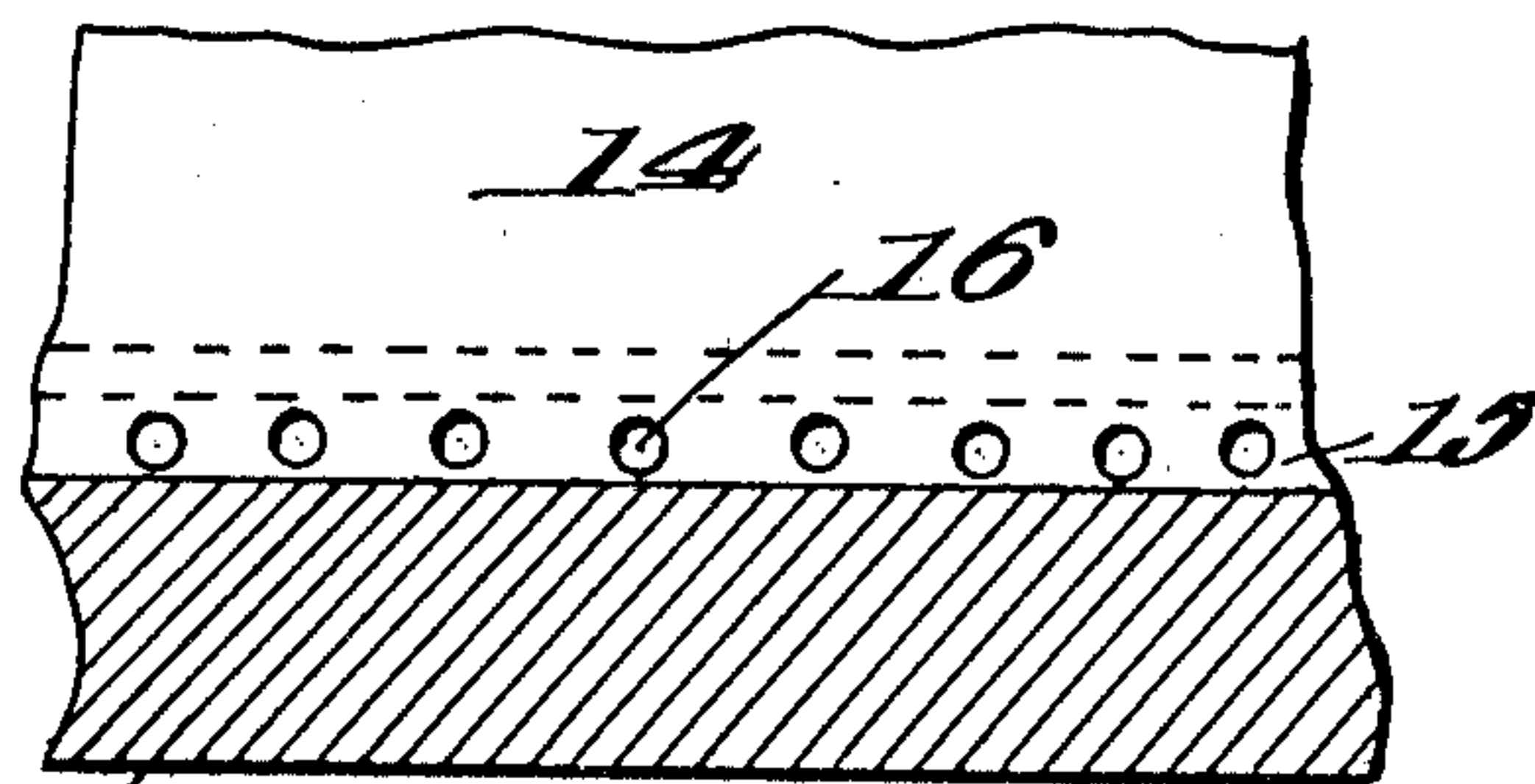


Fig. 7.

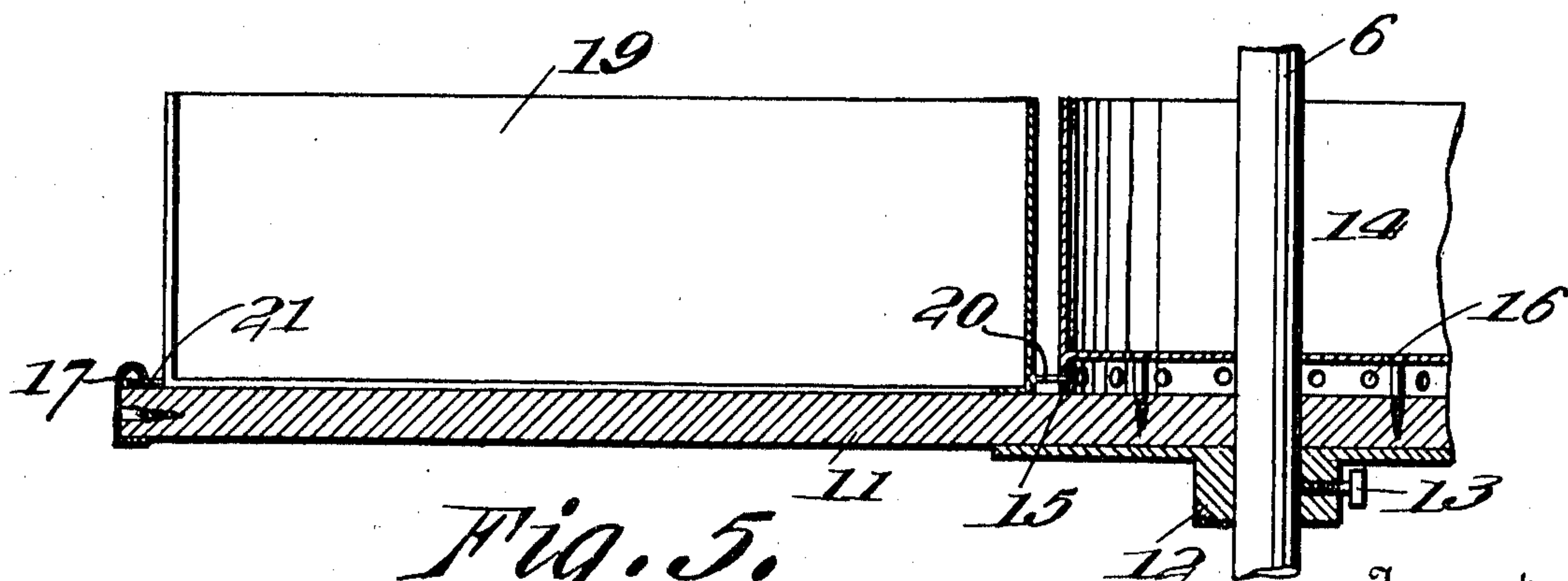


Fig. 5.

Witnesses
E. D. Brown.
C. H. Griesbauer.

Inventor
T. H. Knight,
by A. B. Wilson & Co.
Attorneys

UNITED STATES PATENT OFFICE.

THOMAS H. KNIGHT, OF ATLANTA, GEORGIA.

REVOLVING BOOK AND FILE CASE.

969,959.

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Application filed August 12, 1909. Serial No. 512,592.

To all whom it may concern:

Be it known that I, THOMAS H. KNIGHT, 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 Revolving Book and File Cases; and I do 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 improvements in book and file cases.

One object of the invention is to provide a book case of this character whereby the books and papers contained therein may be entirely closed in and protected from dust, dampness, or other injury in any form and in which the book or paper desired may be readily found and removed.

Another object is to provide a revolving book case having combined adjustable file and book holding devices adapted to provide book receiving spaces of greater or less width.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1 is a side view of a book and file case constructed in accordance with the invention. Fig. 2, is a similar view with the outside cover of the case removed. Fig. 3, is a vertical longitudinal section of the case as shown in Fig. 1. Fig. 4, is a horizontal section taken between two of the shelves and immediately above the book holders thereon. Fig. 5, is a detail vertical section on the line 5—5 of Fig. 4. Fig. 6, is a detail perspective view of one of the book holding and file forming devices. Fig. 7, is a detail vertical section on the line 7—7 of Fig. 4, showing the manner in which the inner ends of the book holders are secured in place; and Fig. 8, is a similar view on the line 8—8 of Fig. 4, showing how the outer ends of the holders are adjustably secured in place.

Referring more particular to the drawings, 1, denotes my improved case, comprising a base 2, which may be of any suitable construction and is here shown in the form of a stand having a circular top 3, and supporting legs 4, said legs being preferably

provided with rollers 5, whereby the book case may be readily moved from one place to another. Revolvably mounted at its lower end in the center of the base 2, is an upwardly projecting shaft 6, the upper end of which is revolvably mounted in the top 7, of a cover or casing 8, which is arranged on the base 2, and may be secured thereto in any suitable manner. The casing or cover 8, may be formed of sheet metal, wood, glass, or other suitable material and is provided in one side with a suitable opening 9, to permit the removal and replacing of the books and papers, said opening being covered by a suitable door 10, which may be slidably mounted to cover and uncover the opening 9, or may be hinged as shown in the drawings.

On the shaft 6, is arranged a series of circular shelves 11, each shelf being provided on its under side with an annular flange or collar 12, in which is arranged a set screw 13, adapted to be secured in engagement with the shaft 6, whereby the shelves are adjustably secured in position thereon. By thus securing the shelves to the shaft they may be positioned at any desired distance from each other, thus providing for the accommodation of books of different heights or lengths. On each of the shelves 11, is arranged a centrally disposed circular receptacle in the center of the bottom of which is formed an opening corresponding to the opening in the center of the shelves to permit the passage of the shaft 6, therethrough. The receptacles 14, are provided to form an inner wall or stop against which the inner edges of the books engage when in place on the shelves. The receptacles 14, are also adapted to receive papers or other small articles and thus serve a twofold purpose. The receptacles are each provided around its lower edge with a downwardly extending flange 15, which projects a suitable distance below the bottom of the receptacle and said flange is provided with a series of closely arranged apertures 16, the purpose of which will hereinafter appear. The receptacles 14, are preferably secured to the shelves by screws or other suitable fastening devices which are passed through the bottoms of the receptacles and screwed into engagement with the shelves as shown.

On the outer edges of the shelves are secured metal strips 17, the lower edges of which are bent inwardly at right angles and

engage the lower sides of the shelves adjacent to their outer edges as shown. The upper edges of the strips 17, are extended above the tops of the shelves and are bent inwardly and downwardly into engagement with the upper sides of the shelves, said bent edges thus each forming a hollow bead, which projects a suitable distance above the top of the shelf and extends entirely around the same and serves as a stop to prevent books or other objects from sliding off from the shelves when they are revolved, and also serves another purpose hereinafter described.

The combined book holders and paper files preferably consist of strips of metal of suitable width bent upon themselves midway between their ends to form V-shaped partitions 19, which, if desired, may be covered with any suitable fabric. The outer ends of the V-shaped partitions are preferably bent inwardly at right angles while the lower edges of the strips are bent inwardly at right angles and form flanges which engage the tops of the shelves as shown.

Secured to the inner folded end of each partition 19, at the lower corner thereof is a longitudinally projecting pin 20, which is adapted to be engaged with one of the apertures 16, formed in the flanges 15, on the bottom of the center receptacles 14, thereby holding the inner ends of the partitions in place. On the outer ends of the V-shaped partitions are arranged longitudinally projecting pins 21, which are adapted to be engaged with notches 18, formed in the beads on the upper edges of the strips 17, thereby holding the outer ends of the V-shaped partitions in place. The pins 20 and 21 may be engaged with any of the apertures 16, and notches 18, thus permitting the partitions or book holders to be shifted or moved to any desired position on the shelves to increase or diminish the space between the holders thus providing for the accommodations of books of different thickness, which, when placed on the shelves will be held in position by the adjacent portions of the partitions or holders. The spaces between the side members of the holders or partitions are employed as file holders in which letters or other papers may be conveniently filed away and to which access may be readily had. The file space between the side members of the partitions or holders may be increased or diminished at will by spreading the ends of the members apart or springing the same together. The material from which the holders are formed is sufficiently resilient and the pins 20 and 21 are sufficiently flexible to permit the same to be readily disengaged from the aperture 16 and the notches 18 to permit the holders to be moved or adjusted to the desired position on the shelves.

By means of a book case, constructed as

herein shown and described, the books and papers kept therein are securely protected from injury and by revolving the shelves, any book or paper desired may be readily found and removed through the door opening 9, in the side of the case or covering 2, and if desired, the various spaces between the partitions or holders and between the side members thereof may be numbered and a catalogue or list of the same prepared and hung on the outside of the case or at some convenient point so that the position in the case of the book or paper desired may be readily ascertained and the shelves turned to bring said space opposite the door in the case through which the book or paper may be readily removed.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claims.

Having thus described my invention, what I claim is:

1. In a book case of the character described, a base, a casing arranged on said base and having an opening in one side, a closure for said opening, a supporting shaft revolubly mounted vertically in said casing, a series of shelves adjustably secured on said shaft, a receptacle arranged on each of said shelves around said shaft and adapted to limit the inward movement of the books, a series of laterally yieldable partitions arranged on the shelves to provide spaces to receive the books, and means to adjustably secure said partitions in place.

2. In a book case, a base, a casing arranged on said base, a supporting shaft revolubly mounted in said base and casing, a series of circular shelves adjustable vertically on said shaft, annular concentrically arranged receptacles secured to the center of the shelves around said shaft, an apertured flange formed on the lower side of each receptacle, binding strips arranged around the outer edges of said shelves, said strips having right angularly bent lower ends adapted to engage the lower sides of the shelves and upwardly extending flanges bent inwardly and downwardly to form beads around the edges of the upper sides of the shelves, said beads having a series of notches formed on their inner sides, and a series of partitions arranged on said shelves and having means for engaging the apertures in the flanges of said annular receptacles and the notches in said beads to secure said partitions in adjusted position.

3. In a book case of the character described, a base, a casing arranged on said base, a supporting shaft revolvably mounted in said casing and base, a series of shelves
5 adjustably secured to said shaft, an annular concentrically disposed receptacle arranged in the center of each of said shelves and around said shaft, said receptacle having a downwardly projecting annular flange
10 provided with a series of closely spaced apertures, an annular bead arranged around the outer edge of each shelf, each bead having formed therein a series of notches, a series of combined book and file holders arranged on said shelves, said holders each
15 comprising a V-shaped partition formed of yieldable material, and longitudinally pro-

jecting pins arranged at the inner and outer ends of the partition, said pins being adapted to be engaged with the apertures in said central receptacle and with the notches in the bead around the edge of the shelf, whereby the holders are held in their adjusted positions on the shelf, and the sides of the partitions held at the desired distance apart
25 to form file holders of greater or less width.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

THOMAS H. KNIGHT.

Witnesses:

GEO. T. CORNETT,

W. T. MORRIS.