

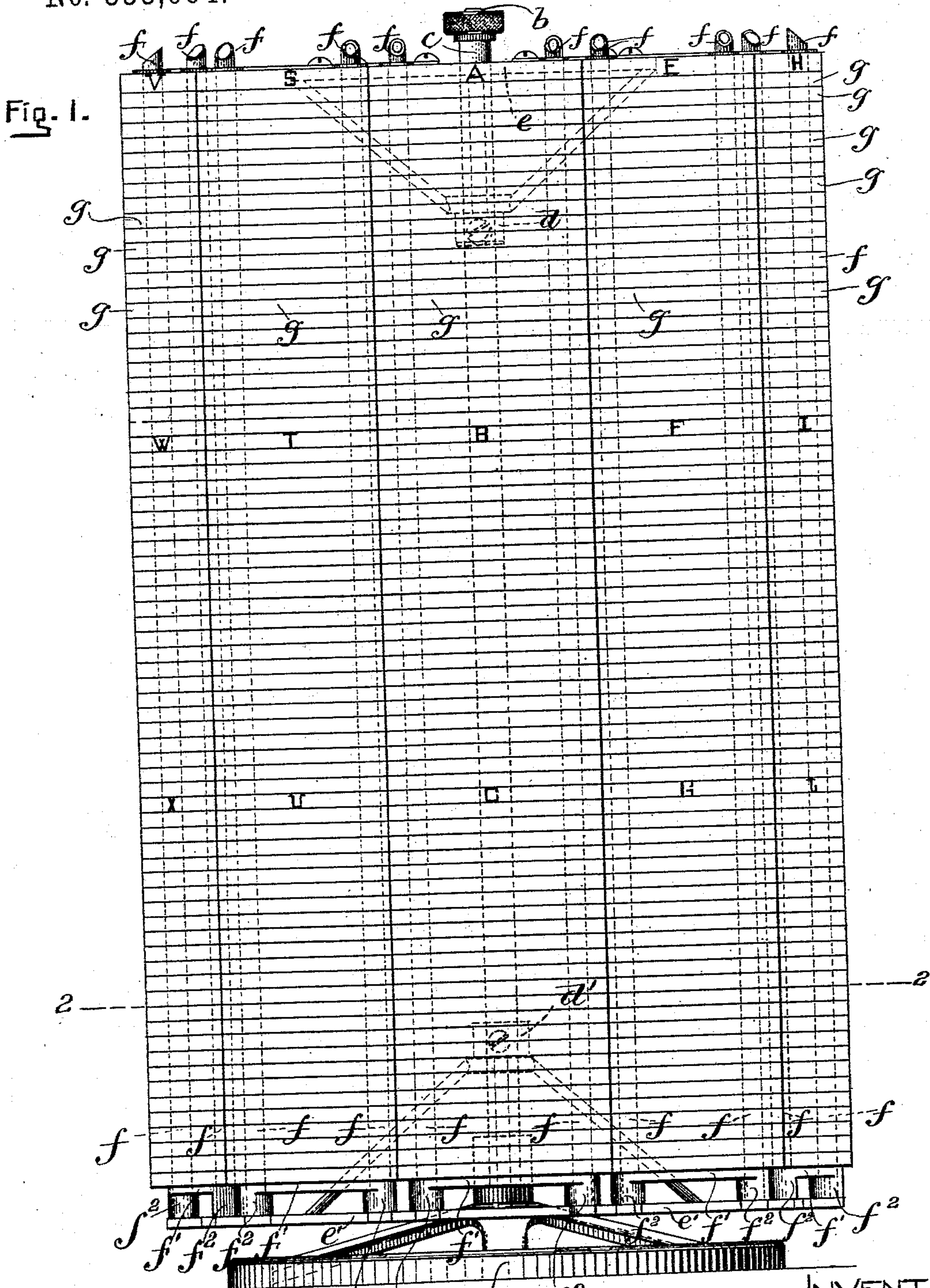
(No Model.)

3 Sheets—Sheet 1.

W. PAIGE.
ADJUSTABLE LIST OR INDEX HOLDER.

No. 533,664.

Patented Feb. 5, 1895.



WITNESSES:

George N. Green
Horace Brown

INVENTOR

Walter Paige.

(No Model.)

3 Sheets—Sheet 2.

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FIG. 1^a

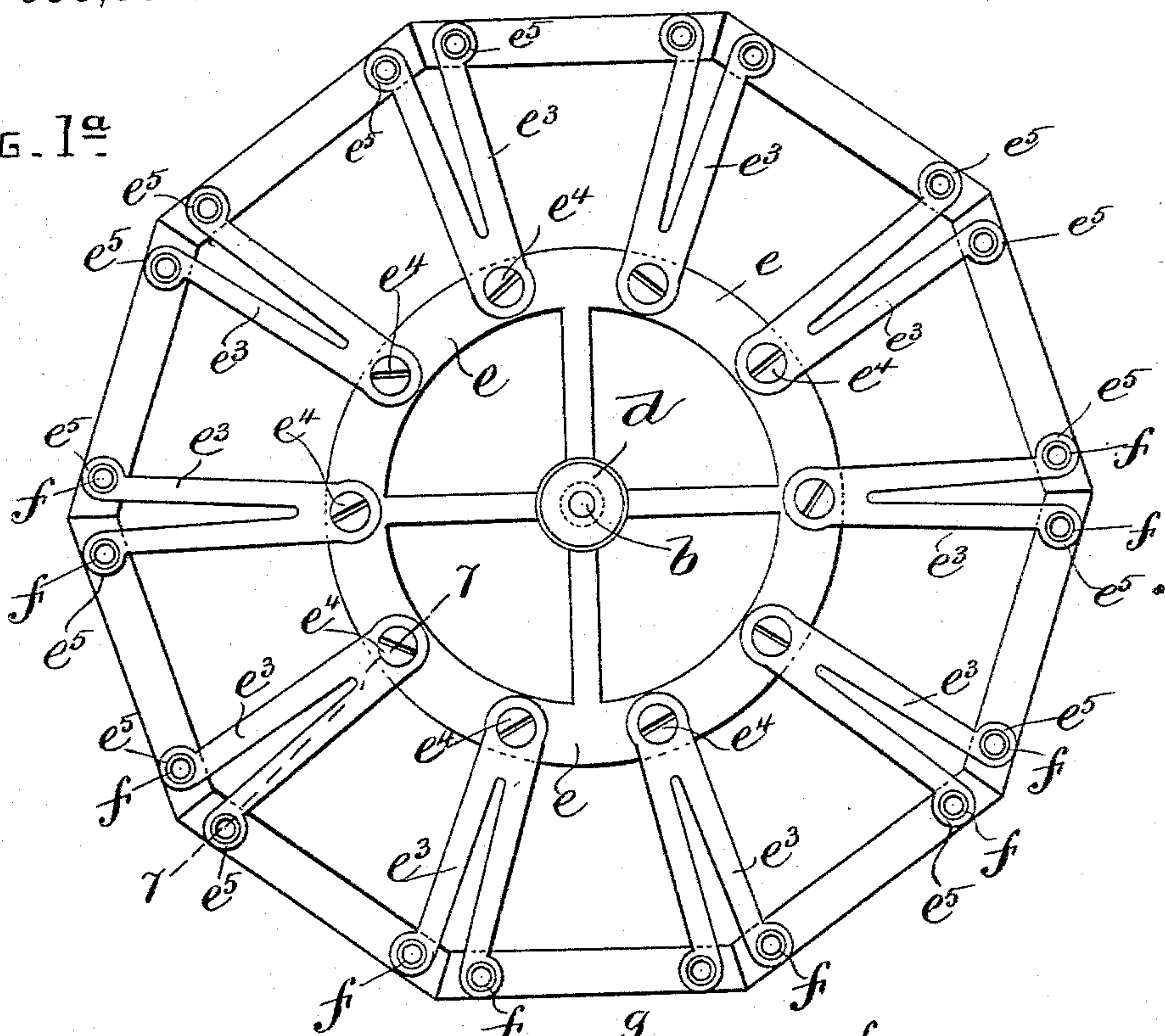
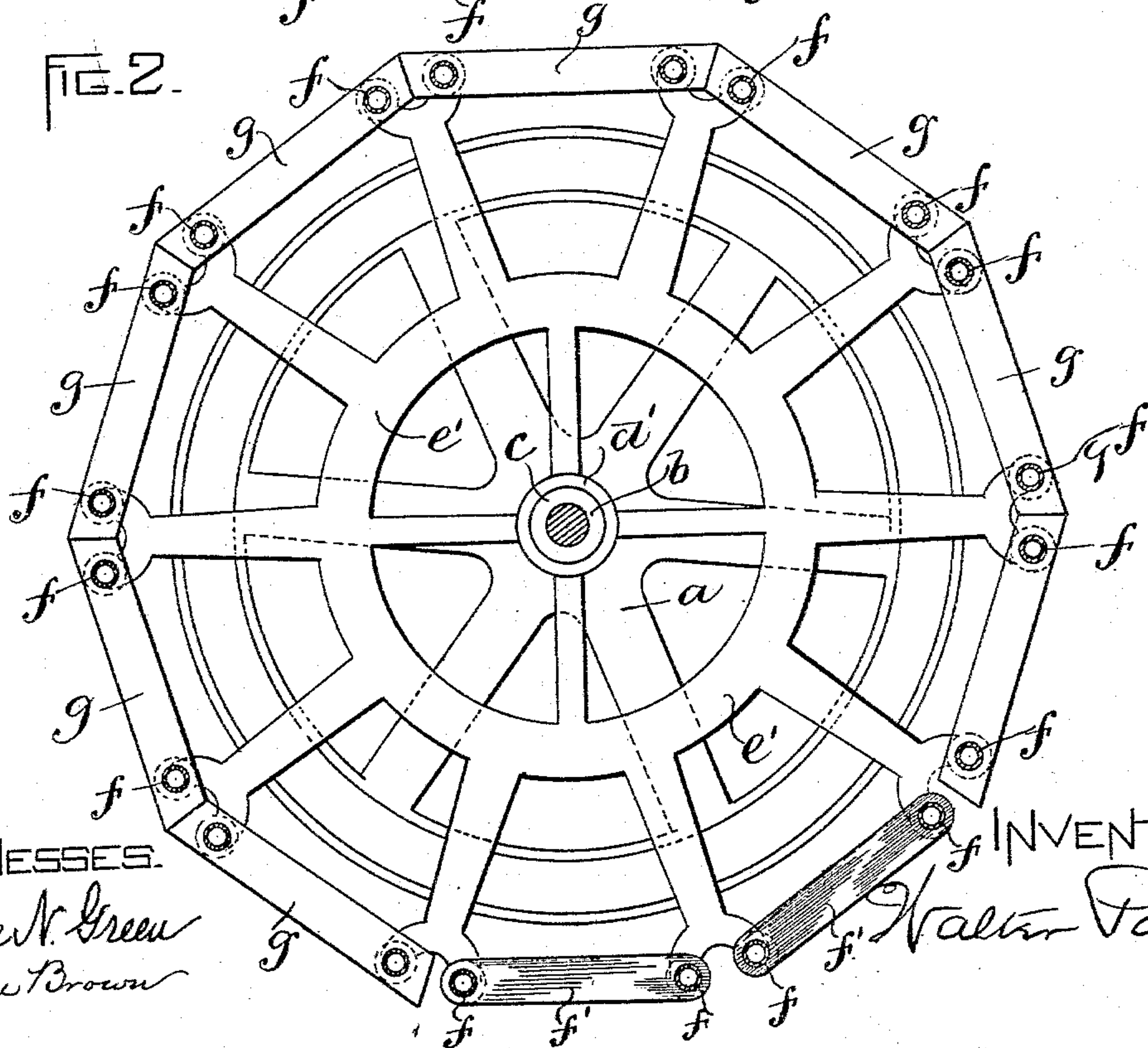


FIG. 2



WITNESSES.

George N. Green
Horace Brown

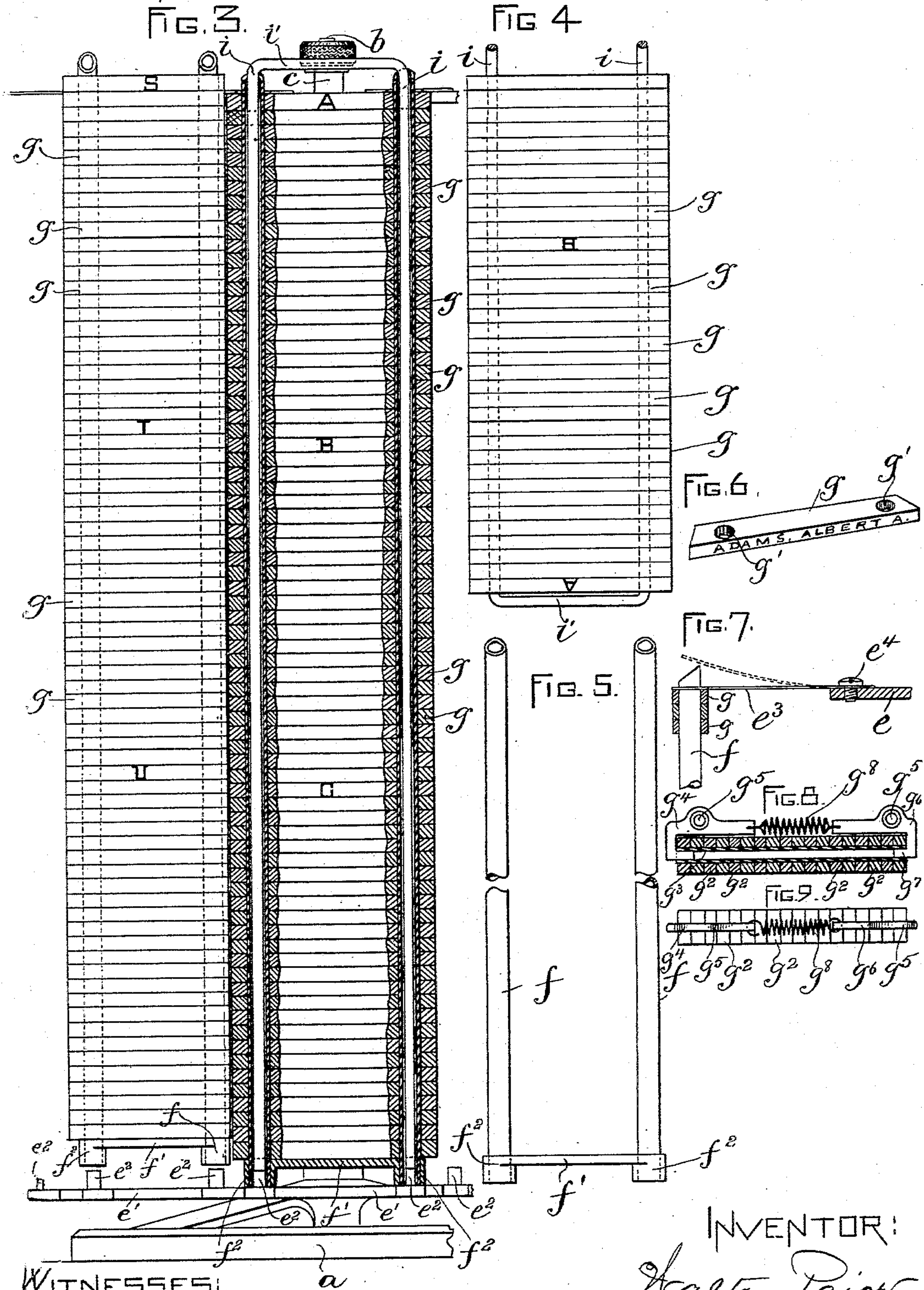
INVENTOR:

Walter Paige

3 Sheets—Sheet 3.

No. 533,664.

Patented Feb. 5, 1895.



WITNESSES:
George N. Green
Horace Brown.

INVENTOR:
Halter Paig.

UNITED STATES PATENT OFFICE.

WALTER PAIGE, OF STONEHAM, MASSACHUSETTS, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO GEORGE N. GREEN AND LIZZIE E. PAIGE, OF SAME PLACE.

ADJUSTABLE LIST OR INDEX HOLDER.

SPECIFICATION forming part of Letters Patent No. 533,664, dated February 5, 1895.

Application filed April 27, 1894. Serial No. 509,266. (No model.)

To all whom it may concern:

Be it known that I, WALTER PAIGE, of Stoneham, in the county of Middlesex and State of Massachusetts, have invented certain
5 new and useful Improvements in Adjustable List or Index Holders, of which the following is a specification.

This invention has for its object to provide a rotary adjustable holder to contain a
10 list or schedule comprising a number of items, such for example as a series of names which are to be held in position for convenient reference and arranged alphabetically.

The invention has for its especial object to
15 enable a series of names to be grouped or arranged in alphabetical order and to be readily removed to permit the insertion of another name at the proper point, in case additions to an existing list are required. For example, in lists of voters, which are used by registrars and other officials, annual changes are
20 required, certain names having to be removed, and other names inserted; and my invention aims to provide means whereby a
25 list may be conveniently revised in the manner indicated.

The invention consists in the several improvements which I will now proceed to describe and claim.

30 Of the accompanying drawings, forming part of this specification, Figure 1 represents an elevation of a list holder embodying my invention. Fig. 1^a represents a top plan view of the same. Fig. 2 represents a section on
35 the plane of line 2—2 of Fig. 1. Fig. 3 represents a partial side view and partial section of a portion of my improved holder. Figs. 4, 5, and 6 represent detail views hereinafter referred to. Fig. 7 represents a section
40 on line 7—7 of Fig. 1^a. Figs. 8 and 9 represent a modification.

The same letters of reference indicate the same parts in all the figures.

In carrying out my invention, I provide a
45 frame or carrier comprising a base or support *a* adapted to rest on a flat surface, a vertical standard *b* affixed to and rising from said base, a sleeve *c* adapted to rotate on the standard *b*, hubs *d d'* affixed to said sleeve,
50 and heads or spiders *e e'* affixed respectively

to the hubs *d d'*, said sleeve, hubs, and spiders constituting a frame which is adapted to rotate freely on the standard *b*. The said frame is adapted to detachably hold a series
55 of frames, each comprising two tubular parallel rods *f* and a cross-bar *f'* connecting the lower ends of said rods, their upper ends being separated. In other words, each frame is closed at its lower end and open at its upper
60 end. Each frame is adapted to receive a series of slips *g*, which may be made of wood or other suitable material, each having two orifices *g' g'* (Fig. 6) adapted to receive the arms *f f* and slide freely thereon, so that a series or column
65 of slips may be placed upon each frame, the lower slip of the column resting on the cross-bar *f'*, the slips being capable of being raised and moved from the frame as a whole, or a
70 part of the slips may be so removed, leaving the rest in place. The outer edges of the slips are to be provided in any suitable manner with the names comprising the list which
75 is to be held by the improved device. Said names may be printed upon slips of paper gummed upon the edges of the slips, or they may be printed or otherwise impressed directly upon the slips themselves.

The means for detachably engaging the slip-holding frames with the holder, as here
80 shown, are as follows: The lower head or spider *e'* is provided with a series of upwardly projecting studs *e²* arranged in pairs, the studs of each pair being arranged to engage with sockets formed in downwardly projecting lugs *f² f²* on the cross-bars of the frames.
85 The upper spider *e* is provided with a series of outwardly projecting elastic arms *e³* which are affixed at their inner ends to the spider by screws *e⁴* and are bifurcated at their outer portions, where they are provided with eyes
90 *e⁵* adapted to receive the upper ends of the frame arms *f f*. The arms *e³* yield upwardly, so that the frames may be applied to the carrier by being first engaged with the studs *e² e²*
95 on the lower spider, the arms *e³* yielding upwardly, as shown in Fig. 1, and being then slipped or sprung to place upon the upper ends of the frame arms *f*, as shown in full lines in Fig. 7. It will be seen, therefore, that
100 the frames may be filled or charged with

slips arranged in the desired order, and then placed in the carrier, and that when it is desired to remove the slips or any part thereof from a frame, the frame may be readily removed from the carrier, when, its upper end being open, any desired number of the slips can be removed.

To prevent scattering of the slips when occasion arises for removing them from the frames, I provide a temporary holder, consisting of a U-shaped frame composed of parallel arms *ii* adapted to enter the frame arms *f*, the latter being tubular and open at their upper ends, and a connecting cross-bar *i'*. The said temporary holder, when not in use, may be inserted in an inverted position in the arms *f*, as shown in Fig. 3; and when the slips are removed from the frame the latter may be inverted, thus allowing the slips to slide upon the temporary holder, which will then occupy the position shown in Fig. 4. When the slips are to be returned to the frame, the arms *ii* are inserted in the tubular frame arms *f* and the slips are slid back to place on the frame.

It will be seen that the described apparatus constitutes a very simple and convenient device whereby a list of names may be held alphabetically arranged, and may be conveniently revised and corrected in the manner indicated.

I do not limit myself to the described details of construction of the device for detachably connecting the frames to the carrier, nor to the exact mechanical construction of parts hereinbefore described, as all these may be varied within the limits of mechanical skill and judgment, without departing from the spirit of my invention.

The described holder may be placed in a case or cabinet having an opening formed to show a column of names. Any desired column may be brought opposite said opening, by rotation of the holder.

In Figs. 8 and 9 I show a modified construction of the slip. In this modification, the slip is shown as composed of a series of sections g^2 , which are placed in a row upon a transverse tube g^3 . One end of said tube is rigidly attached to a hooked piece g^4 having an eye g^5 adapted to slide upon one of the frame arms *f*. g^6 represents another hooked piece of similar form to the piece g^4 , and having also an eye g^5 adapted to slide on the other frame arm *f*, said piece g^6 having a stud g^7 which enters the opposite end of the tube g^3 but is free to move in and out of said tube. The pieces g^4 and g^5 are connected by a spring g^8 which draws said pieces toward each other and thus keeps the lug of the piece g^6 in engagement with the tube g^3 . The slip thus constructed is engaged with the frame by placing the eyes g^5 upon the frame rods *f*. When the slip is removed, the sections g^2 may be released and withdrawn from the tube g^3 by disengaging the stud g^7 from the tube.

The sectional construction of the slip enables a different name or word to be formed upon each slip, and there may be as many sections as there are characters in the word or name. If desired, however, the slip may be in a single piece instead of being in sections.

I do not limit myself to the use of a frame and a series of slips adapted to be placed detachably on said frame in a rotary holder. A single frame composed of two parallel side bars or rods *ff* and a column of independent slips adapted to be strung upon rods in the manner described may be used as a bulletin or bill of fare adapted to be hung upon a wall or otherwise mounted. Said frame may be supported by devices affixed to a wall or other suitable support, and said devices may be, for example, two studs similar to the studs e^2 and two spring arms similar to the arms e^3 adapted to receive the upper ends of the frame rods *ff*. Said studs and spring arms may be attached to a wall or to a support adapted to be hung upon a wall; or said frame may be supported in any other suitable manner which will permit its convenient removal.

I claim—

1. A rotary list or index holder, comprising a rotary carrier and a series of frames or holders each detachably engaged at its ends with said carrier, each frame being closed at its lower end and open at its upper end, so that a series of perforated slips may be retained on each holder, as set forth.

2. A rotary list or index holder, comprising a rotary carrier, a series of frames open at their upper end and closed at their lower ends and detachably engaged with said carrier, each frame consisting of two tubular rods and a cross-piece connecting the lower ends of said rods, the rods being adapted to hold a series of perforated slips, and a U-shaped temporary holder adapted to be inserted in said tubular rods and to receive the slips therefrom, as set forth.

3. A rotary list or index holder, comprising a rotary carrier composed of two connected heads or spiders, one having a series of upwardly projecting studs and the other a series of vertically yielding spring arms, and a series of slip-holding frames provided with sockets at their lower ends to engage said studs, the upper ends of said frames being formed to engage said spring arms, as set forth.

4. An adjustable list or index holder comprising a movable frame open at one end and closed at the other, and provided with rods arranged to hold a series of slips, the closed end having sockets, combined with a carrier or support for said frame, having studs arranged to engage said sockets, and upwardly yielding fastening means arranged to engage the rods at the open end of the frame.

5. An adjustable list or index holder comprising a movable frame open at the upper end and closed at the lower end, said frame

consisting of tubular rods and a cross-piece
connecting the lower end of said rods, the
rods being arranged to hold a series of per-
forated slips, sockets on the closed end of
5 said frame, a carrier or support for said frame
having studs to engage said sockets and up-
wardly yielding fastening means arranged to
engage said rods at the open end of the frame,
combined with a U-shaped temporary holder
10 arranged to be inserted in said tubular rods

to receive slips, substantially as and for the
purpose described.

In testimony whereof I have signed my
name to this specification, in the presence of
two subscribing witnesses, this 21st day of 15
April, A. D. 1894.

WALTER PAIGE.

Witnesses:

GEORGE N. GREEN,
C. F. BROWN.