

W. C. ELDRIDGE.
INKSTAND AND ATTACHMENT.

No. 506,480.

Patented Oct. 10, 1893.

Fig. 1.

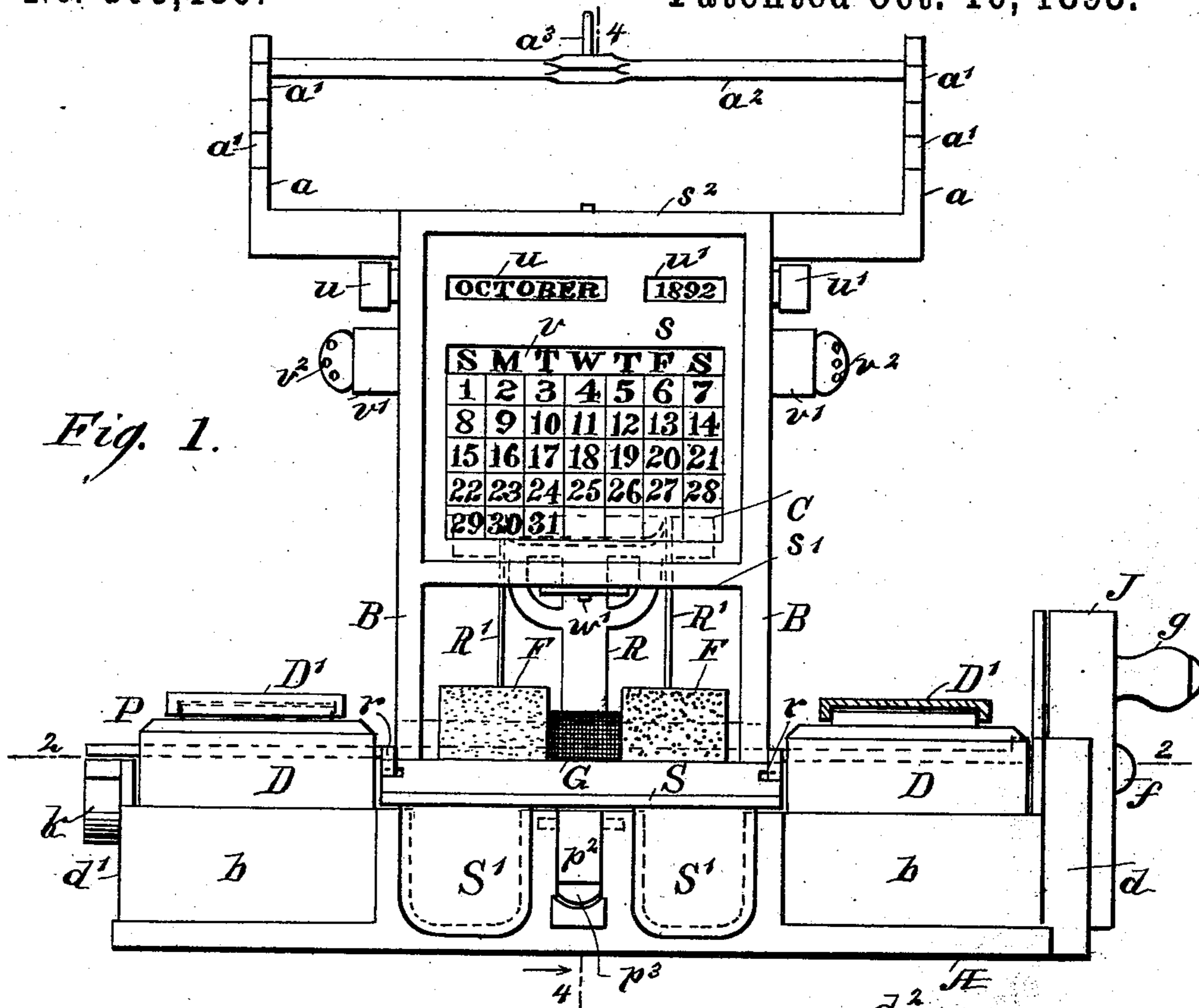
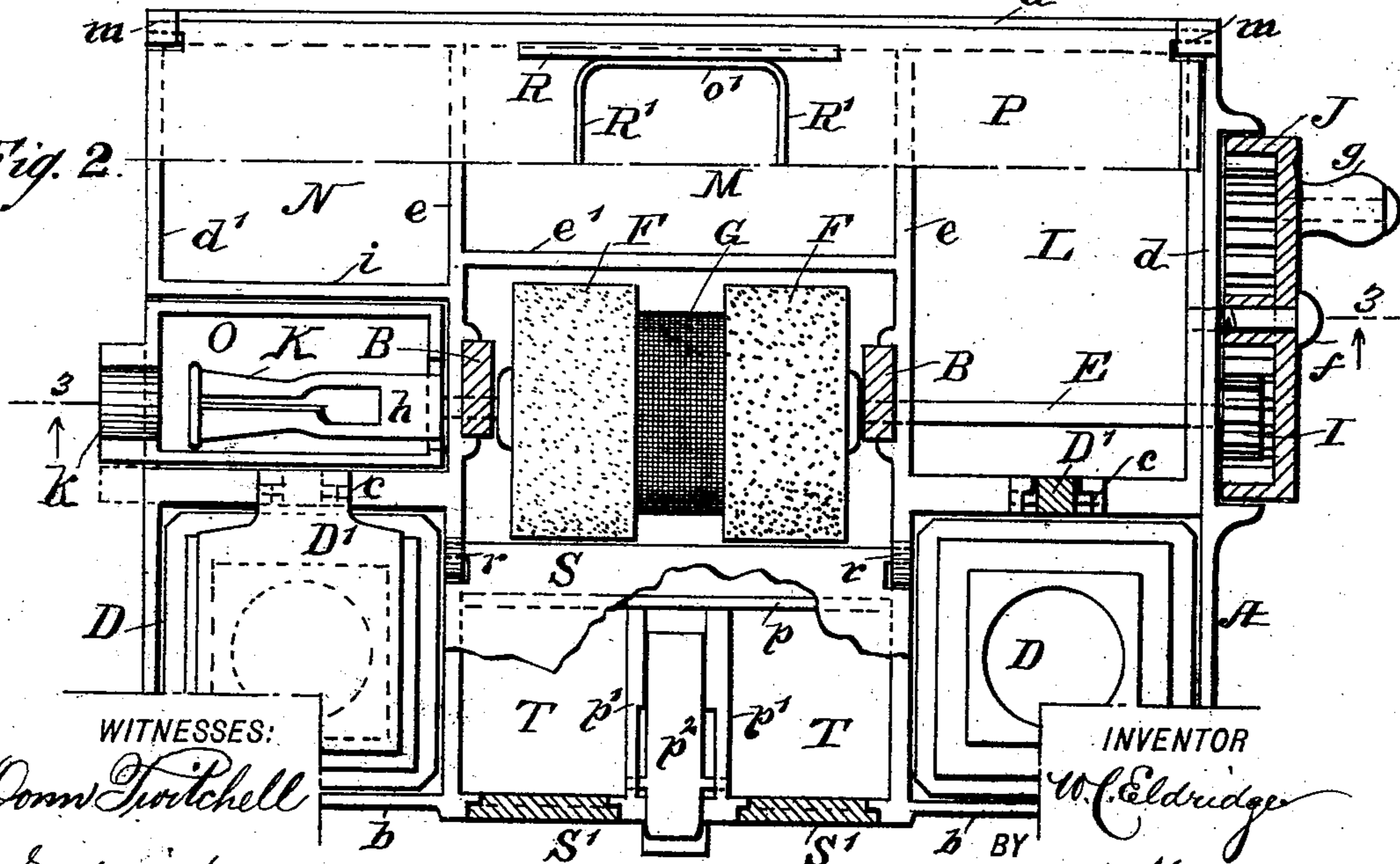


Fig. 2.



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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

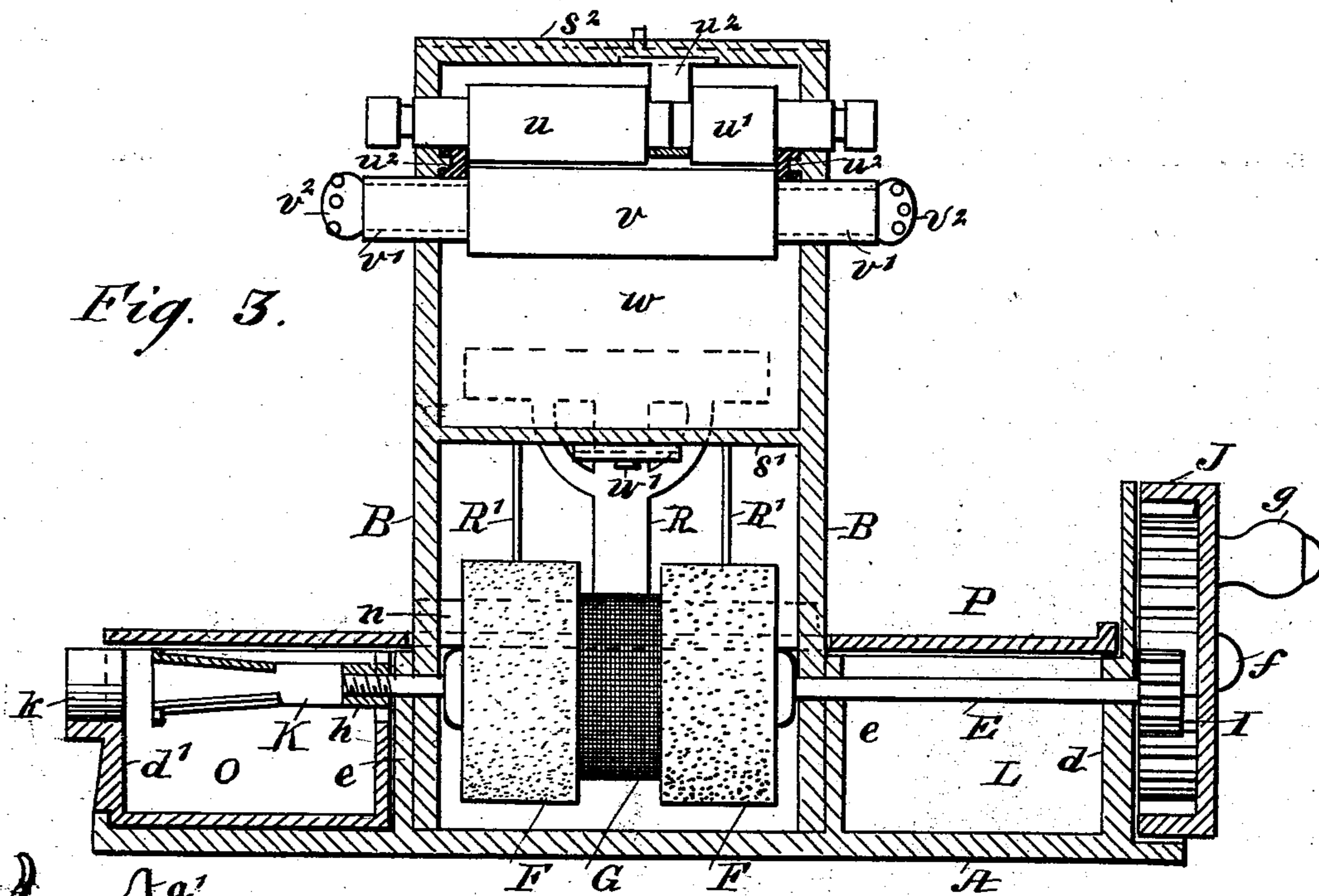
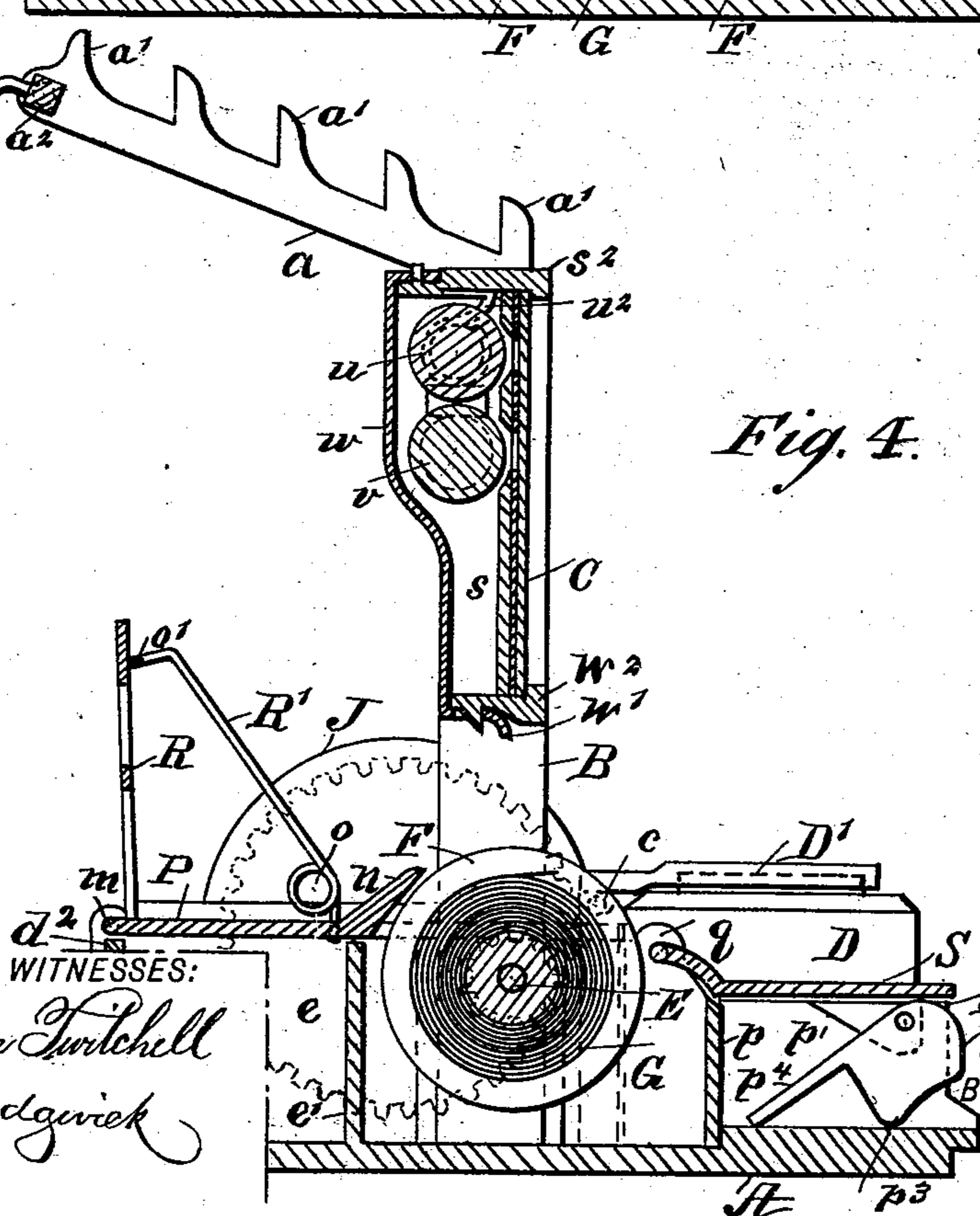


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLARD C. ELDRIDGE, OF CHICAGO, ILLINOIS.

INKSTAND AND ATTACHMENTS.

SPECIFICATION forming part of Letters Patent No. 506,480, dated October 10, 1893.

Application filed January 25, 1893. Serial No. 459,733. (No model.)

To all whom it may concern:

Be it known that I, WILLARD C. ELDRIDGE, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Inkstand and Attachments, of which the following is a full, clear, and exact description.

The object of my invention is to provide a novel supporting stand for ink-wells, and combine therewith postage stamp holders, a pen remover, penknife sharpener, pencil sharpener, card-holder, pen rack, bill file, pen holders, a universal calendar, a pen wiper, and pin cushions, all arranged in a compact and shapely form, to afford the complete furniture for a writing desk in a neat and ornamental composite device.

To this end my invention consists in the peculiar construction and combination of parts, as is hereinafter described and claimed. Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of the device. Fig. 2 is a sectional plan view, in part, on the line 2—2 in Fig. 1. Fig. 3 is a transverse sectional view on the line 3—3 in Fig. 2; and Fig. 4 is a side view in section on the line 4—4 in Fig. 1, and broken away below and at the rear edge.

The base A, is substantially rectangular in contour, whereon two vertical standards B are erected, which are suitably spaced apart, and are a like distance from the longitudinal center line of the base.

Between the standards B, and near their upper ends, a universal calendar C is secured, that is adapted for observation from the front, and will be further mentioned.

Upon the upper terminals of the parallel standards B, lateral arms are extended in the same plane, from the outer ends of which other limbs *a* project rearwardly and upwardly, that are also parallel on their sides and have toes *a'*, projected therefrom on their upper edges and opposite in pairs, thereby producing a pen rack; said top limbs having their rear ends connected by a cross bar *a²* from the center of which a bill file hook *a³* projects rearwardly.

Forwardly on the base A, at the corners, properly shaped pockets *b*, are produced, that

are by preference given a rectangular form and equal dimensions; said pockets which are open from above, serve as holders for the similar ink wells D, that are provided with covers *D'*, which are hinged to the rear walls of the pockets, as at *c*, in Fig. 2. A transverse shaft E, is journaled in the standards B, so as to be loosely supported in a horizontal plane, that is, parallel with the front and rear edges of the base A, its end portions projecting through and beyond the standards for an engagement with other parts, as will be explained.

Upon the shaft E, between the standards B, two cylindrical drums F, are mounted and secured, a suitable space intervening said parts to afford room on the shaft for the reception of a roll G, of flannel or like fibrous material, which is a strip wrapped upon the shaft, and is designed for a penwiper, the formation of this wiper enabling the user to obtain a clean portion when this is necessary, by cutting off the soiled free end, or one fold of the material.

On the drums F, which are of an equal width and diameter, emery cloth, sand paper, or any equivalent abrading material is secured, to furnish a rough surface for the drums, one face having grit of finer grade than the other, so that by a rapid rotation of the shaft, a penknife blade may be sharpened if held on the drum faces successively. Side walls *d d'*, are erected on the base A, which are in effect rearward extensions of the outer side of each ink well holder or pockets, and parallel with these outer sides two other walls *e*, are rearwardly extended from, and align with the inner side walls of the pockets mentioned. The side walls *d d'* are joined at their rear ends by the rear wall *d²*, which is of an equal height therewith and parallel with the rear wall *d²* an upright partition *e'*, is erected from the base A, its ends joining the longitudinally extending walls *e*. The shaft E, is prolonged on one side of the penrack standards, preferably toward the right side wall on the base A, through which side wall *d*, the shaft end projects for the reception of a pinion I, that is secured thereon.

Upon a stud or supporting screw *f*, that engages a threaded hole in the side wall *d*, and properly removed from the pinion I, an inter-

nal gear wheel J, is loosely mounted, which is in geared connection with the pinion, and is adapted for rotation by the provision of a handle *g*, that projects from the outer face of the wheel J, as shown in Figs. 1, 2 and 3. The opposite end of the shaft E, is extended a short distance beyond the nearest standard B, and has a screw threaded formation on said extended portion, for the threaded engagement therewith of a pencil sharpener K, that is of ordinary shape with the exception of a hub projection *h* axially formed on the end that engages the shaft, said hub being longitudinally perforated and internally threaded to screw upon the shaft end as shown in Fig. 3.

The means provided to increase the speed of the drums F, conduces to their efficiency as a knife sharpening device, the speed of the shaft E, being properly regulated to suit the pencil sharpener when it is used.

The receptacles L, M, N, produced by the erection of the walls *e*, *e'*, and their junction with the side walls *d*, *d'*, *d''*, afford convenient depositories for matches, pens, and pencil or ink erasers; and below the pencil sharpener K, a drawer O, is removably introduced, it being adapted to slide inwardly through an opening formed of a proper width in the side wall *d'*.

To complete the eraser holding compartment N, a partition wall *i*, is introduced between the rear wall *d''*, and a parallel rear wall of the ink well pocket at the left side of the base A.

The drawer O, which is designed to catch the chips falling from the pencil sharpener K, is by preference furnished with a curved outwardly projecting flange *k*, that provides a convenient rest for the support of a lead pencil while it is being sharpened in the device K.

A lid P, is provided for the compartments L, M, N, which is trunnioned at its rear corners *m*, thereby affording pivots which loosely engage socket apertures formed in the side walls *d*, *d'*, and adapting the lid to receive a rearward folding movement when it is to be removed from above the compartments named.

On the lid P, a frame R, is vertically erected and is preferably given substantially a T form, and near the forwardly and upwardly projected guard wall *n*, that is on the forward edge of the lid, a spring clip R', is secured; said clip being by preference formed from a wire strand, coiled near each end, and bent into staple form, the end portions that project beyond the spring coils *o*, thereon, being inserted and secured in the lid as indicated in Fig. 4, and as shown, the bow portion of the clip is bent, so as to adapt its transverse bar *o'*, to normally rest upon the front side of the frame R, and be thus retained by the elastic or spring portions *o*, forming a simple and convenient card holder.

Between the inner side walls of the ink

well pockets a partition *p* is inserted which is suitably spaced from the front edge of the base A, and parallel to it, two parallel walls *p'*, being introduced between the ink well pockets and joining their rear ends with the partition named. The parallel walls *p'*, are sufficiently separated to receive between them a locking dog *p''*, which is pivoted thereto near its top edge and outer end, there being a toe *p'''*, formed on its lower edge, which is so relatively located, that it will bite upon an inserted pen that projects from its holder, so that a withdrawing movement of the latter will detach the pen therefrom in an obvious manner; a limb *p''''* on the dog, that extends toward the partition *p*, serves to hold the toe at a proper angle for the insertion and clamping retention of a pen.

Between the ears *q*, formed on the upper edges of the inner walls of the ink well pockets *b*, the cover plate S, is pivotally secured near its upwardly curved rear edge, as indicated at *r*, in Figs. 2 and 4, said cover which extends over the entire space between the ink wells D, drums F, and front ends of the parallel walls *p'*, has at proper points two depending similar leaves S', formed upon or attached to its front edge, that are adapted to close the equal spaces left between the pockets and walls *p'*, which spaces T, are designed to receive and hold postage stamps.

Referring to the calendar C, it will be seen, that there are the necessary digits and integers provided to indicate thirty-one days arranged in five parallel rows, that as usual represent four consecutive weeks in full rows and a fraction of a week on the lower row. The calendar of days for a full month, is exposed upon the front face of a tablet *s*, that is held in a frame composed of the standards B, and a transverse brace *s'*, that is attached by its ends to the inner faces of the standards. Two spaced and aligned slots are formed near to, and parallel with the top edge of the tablet *s*, through which slots are exposed the name of the month, and the year date, as represented in Fig. 1, these indications being mounted respectively upon the separate rollers *u*, *u'*, which are rotatably sustained in opposite perforations in the standards B, through which they project sufficiently to permit their outer ends to be independently manipulated, their adjacent inner journaled ends being loosely supported by an engagement with the transversely perforated lower end portion of a depending bracket box *u''*, shown in Fig. 3. Between the rollers *u*, *u'*, and the indications for week days on the tablet *s*, another roller *v*, is located, having its body supported near each end between the standards B, in a plane parallel to that of the axis of the rollers *u*, *u'*, by a journaled engagement of its ends with aligning perforations in the standards; the ends of said journals being projected far enough beyond the outer faces of said standards to afford a grip piece at each end. On

the roller v , seven rows of letters are formed or affixed, each row containing the initials of the days of the week, and it is essential for a proper operation of the device as a universal calendar, that these initials be altered in their order of sequence, so that each of the successive day symbols, shall appear above the first day of a month, as may be required to correctly designate said day. A slot of proper length and width is formed in the tablets s , opposite the roller v , so as to expose one row of the initial letters on said roller, and locate these initial letters in correct alignment with the vertical rows of day indicating figures on the tablet below them. Preferably a small pincushion v^2 , is secured on the terminal ends of the roller v , which portions v' , are axially apertured to afford room for the insertion of the pins, as indicated by dotted lines in Fig. 3. Between the roller v , and upper rollers u , u' , at their ends nearest the inner faces of the standards B , two similar spring blocks w^2 , are introduced, which are adapted to hold these rollers in a proper relative position, and have a sufficient yielding pressure upon the rollers, to prevent them from rotating until manipulated to effect such a movement. The rear wall of the calendar is composed of a metal or other plate w , that is preferably bent as shown in Fig. 4, the upper edge of which wall is bent forwardly to have a loose connection with a top cross piece s^2 , that is secured on the upper ends of the standards B . A spring catch w' , is formed on or attached to the lower edge of the rear wall w , which will interlock with a hook w^2 , on the lower cross brace s' , so that this hooked connection of parts will be adapted to retain the rear wall w , removably in connection with the standards B .

The entire device may be made of metal suitably ornamented, and it will be seen from the foregoing description, that the improvement comprises a unique and advantageous combination of parts, which embodies in compact arrangement many necessary adjuncts of a desk or writing table, that are usually furnished separately, and are therefore liable to misplacement and loss.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A combination article of desk furniture consisting in an ink stand provided with up-

rights $B B$ having top and middle cross pieces $s^2 s'$, a beveled hook w^2 on the cross bar s' , a calendar C and its operating mechanism between said uprights and cross pieces, and the metal plate w closing the space behind the calendar, loosely connected at its upper end with the top cross bar s^2 and having a spring catch w' on its lower end engaging the hook w^2 , substantially as set forth.

2. A combination article of desk furniture consisting in a base provided with a rotary knife sharpener, pen wiper and pencil sharpener all on a single shaft, substantially as set forth.

3. A combination article of desk furniture consisting in an ink stand provided with a rotary knife sharpener, pen wiper and pencil sharpener all on a single shaft; the pencil sharpener being on one end of the shaft, and a removable drawer into which said pencil sharpener projects and provided with a pencil rest k , substantially as set forth.

4. A combination article of desk furniture comprising the ink stand having receptacles at its four corners the front pair of which contain the ink wells and are separated by an open space divided by vertical partitions $p' p^2$ into the open front compartments $T T$, the pen clamp $p^2 p^3 p^4$ pivoted between the partitions $p' p^2$, the lid S closing the space between said ink well receptacles and having depending leaves $S' S'$ closing the fronts of compartments $T T$, a cover for the rear compartments $N L$, a standard R projecting up from the cover and a spring R' secured to the cover and bearing against the said standard, substantially as set forth.

5. In a combination article of desk furniture a base divided into several compartments for ink wells &c., and formed with standards $B B$ containing a calendar between their upper ends, a shaft E journaled in the lower ends of said standards and extending from end to end of the base one end of the standard being provided within one compartment with a longitudinally extending pencil sharpener K , spaced knife sharpening cylinders on said shaft between the standards and gearing for rotating the said shaft, substantially as set forth.

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Witnesses:

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JOHN F. FAUST.