

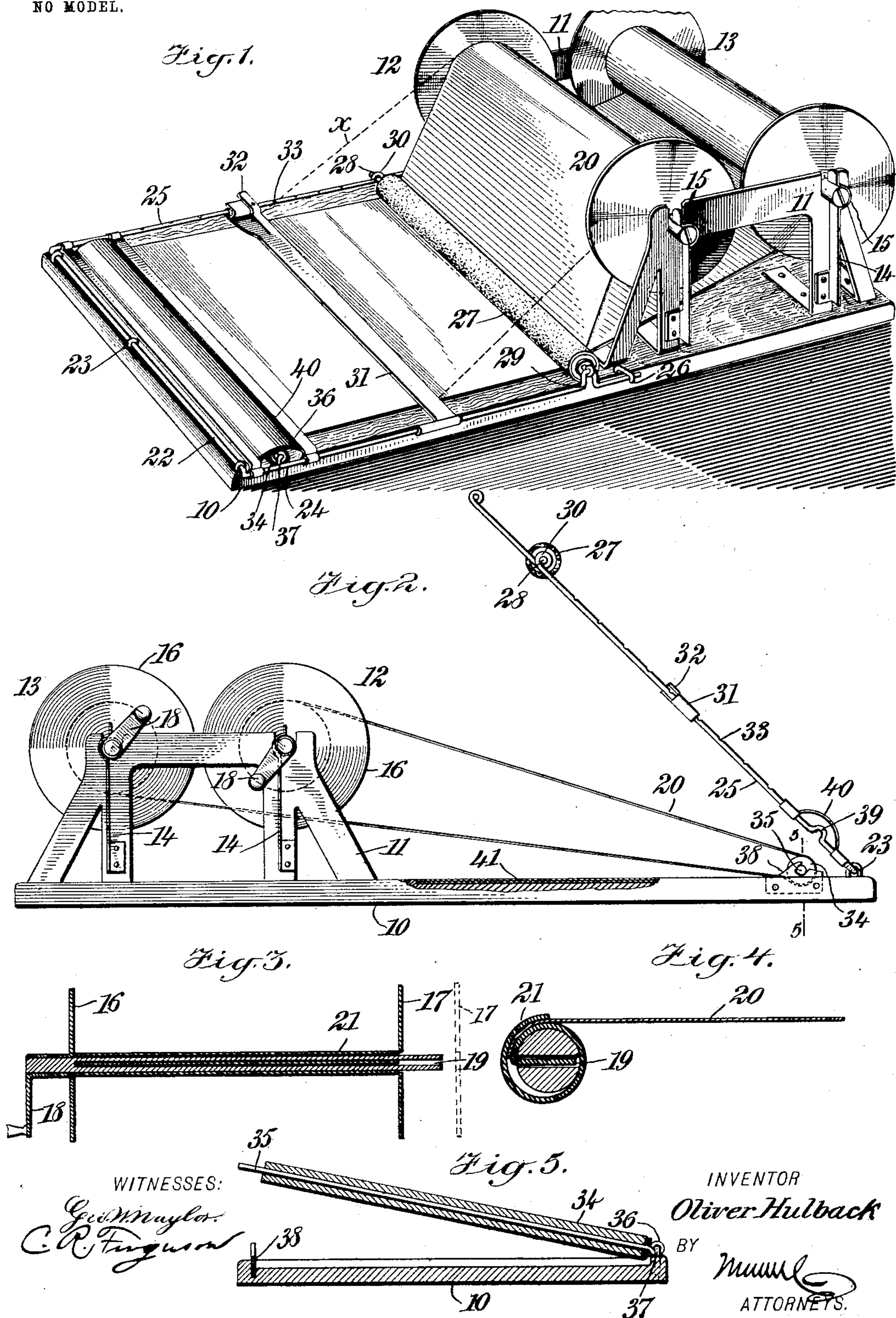
No. 750,651.

PATENTED JAN. 26, 1904.

O. HULBACK.  
ROLL NOTE BOOK.

APPLICATION FILED JUNE 17, 1903.

NO MODEL.





# UNITED STATES PATENT OFFICE.

OLIVER HULBACK, OF CROOKSTON, MINNESOTA.

## ROLL NOTE-BOOK.

SPECIFICATION forming part of Letters Patent No. 750,651, dated January 26, 1904.

Application filed June 17, 1903. Serial No. 161,800. (No model.)

*To all whom it may concern:*

Be it known that I, OLIVER HULBACK, a citizen of the United States, and a resident of Crookston, in the county of Polk and State of Minnesota, have invented a new and Improved Roll Note-Book, of which the following is a full, clear, and exact description.

This invention relates particularly to improvements in devices for holding rolls or thick strips of note-paper for the use of stenographers, an object being to provide a device for this purpose that shall be simple and inexpensive in construction and which will be found of great value and convenience in making notes from extended discourses or dictations.

I will describe a roll note-book embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a roll note-book embodying my invention. Fig. 2 is a side elevation thereof with the parts in position for the insertion or removal of paper. Fig. 3 is a longitudinal section through one of the rollers. Fig. 4 is a transverse section thereof, and Fig. 5 is a section on the line 5 5 of Fig. 2 on an enlarged scale.

Referring to the drawings, 10 designates a base-plate of any suitable material, preferably metal, so as to have sufficient weight to prevent its slipping on a table or other support. Extended upward from the rear portion of the base at opposite sides are frames 11, having bearings for the journals of the rollers 12 13. These bearings are in the form of notches opening upward, so that the rollers may be readily inserted or removed, and to prevent accidental detachment of the rollers I employ spring-fingers 14, attached to the frames or to any other suitable point, these fingers 14 having curved upper ends 15, which extend partly around the projected ends of the roller-shafts, and it will be noted that these curved portions pass slightly over the top, thus preventing the accidental displacement before mentioned, but permitting the ready

insertion or removal of the rollers when proper pressure is brought to bear. Each roller has a disk or flange 16 rigidly secured to it at one end and on the opposite end is a disk or flange 17, which is removable, and on each roller is a crank 18. Each roller, as shown in Figs. 3 and 4, is longitudinally slitted, as indicated at 19, the slit opening outward at the end at which the disk 17 is placed.

As a means for securing the ends of the paper strip 20, on which the notes are to be made, I attach said ends by means of mucilage or other adhesive to the outer ends of strips 21 of cardboard or like thick material, the other ends being seated in the slits 19. Obviously by removing the disks or flanges 17 the paper may be slid on over the ends of the rollers. By employing the thick strip 21 a much stronger connection is made between the note-paper strip and the rollers than would be the case were the strip connected directly thereto.

Mounted to swing on the base forward of the rollers is a frame consisting of a cross-bar 22, having bearings in eyes 23 on the front end of the base, and side members 24 25 extend along the opposite sides of the base. It will be noted that the side member 24, which is at the right-hand side, is so arranged as to be below the top plane of the base when the device is in use, thus offering no obstacle to the free movements of a person's hand over the edge of the base. These side members 24 and 25 are held downward, as here shown, by keepers 26. Mounted to swing on the side members 24 25, near the front roller 12, is a roller 27. This roller 27 is mounted to revolve on a rod 28, having an eye at one end engaging with a loop 29 on the side member 24, and the opposite side member 25 is provided with an eye 30 to receive the extended end of the rod 28. This roller 27 is preferably covered with blotting-paper, so as to take up the wet ink as the paper passes under said roller and is wound upon the roller 12. Of course when the notes are taken with a lead-pencil this blotting-paper will not be required. Therefore I do not limit my invention to a roller covered with blotting-paper.

Arranged to slide along the side members 24



25 is a cross-plate 31. This plate 31 has sliding connections with said side members 24 and 25, and to hold it as adjusted toward or from the roller 27 one end is provided with a spring-finger 32, having a pin or lug designed to engage in any one of a series of notches 33 in the member 25.

At the forward end of the base is a small roller 34, mounted to rotate on a rod 35, one end of which has an eye 36 receiving a staple 37 or the like on the base at one side, and the other end of said rod 35 is designed to engage in an outwardly-opening slot formed in a plate 38, attached to the opposite side of the base. The side member 25 has an upwardly-extended loop portion 39, which engages over the rod 35 and prevents its detachment from the plate 38 when the said member 25 is in its lowered position.

Extended across the base and attached to the side members 24 25 is a shield-plate 40, which extends over the roller 34 and prevents the writer's wrist or hand from coming in contact with said roller.

Underneath the paper at the portion on which the notes are to be taken the base-plate is recessed or chambered to receive a pad material 41, which will render the writing much easier than would be the case were the paper to bear directly on the metal of the base.

In placing the paper in the device the swinging frame is to be swung upward, and the roller 34 is also to be swung upward, so that after placing the rollers 12 and 13 in position the paper strip 20 may be looped over said roller 34. Then the said roller is to be moved into its bearing 38, after which the swinging frame is moved downward and fastened by the devices 26 or other suitable means. The notes are to be taken between the cross-plate 31 and the roller 27. As the space is filled, or as each line is completed, the operator will turn the roller 12 by means of its crank 18 to bring a new surface of paper into position. It is obvious that the stenographer may continually hold the crank 18, so that the rollers may be instantly operated upon the completion of a line or space, and, obviously, should it be necessary to turn the notes back for correction or reference the roller 13 is to be operated. The spring-plates 14 will cause sufficient friction to prevent accidental rotation of the rollers. When it is desired to transcribe the notes, the device serves as a holder for the copy. At this time the roller 27 is to be released from the side member 25 and turned over to the right. Then the paper between the front roller 12 and the cross-plate 31 will assume the inclined position indicated by the dotted lines  $x$  in Fig. 1.

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

1. A roll note-book comprising a base-plate, a pair of rollers removably mounted on

the rear portion of said plate, a frame mounted to swing on the front portion of the base-plate and comprising side members, a roller mounted near the free ends of said side members, and a roller mounted on the base near the forward end.

2. A roll note-book, comprising a base-plate, a pair of rollers removably mounted on the rear portion of said base-plate, a frame mounted to swing on the forward end of the base-plate and comprising side members, one of said side members being, when in position, below the top plane of the base-plate, a roller mounted on said side members near the free ends, a cross-plate having sliding connection with said side members, and a roller mounted on the forward end of the base-plate.

3. A roll note-book, comprising a base-plate, rollers supported on the rear portion thereof, a frame mounted to swing on the front portion of the base-plate and having side members, a roller mounted on said side members near the free ends, a cross-plate mounted to slide on the side members of the frame, means for securing said cross-plate as adjusted, a roller arranged at the forward end of the base-plate, and a plate carried by the frame for extending over said last-named roller.

4. A roll note-book comprising a base-plate, rollers supported on the rear portion of said base-plate, a frame mounted to swing on the front end of the base-plate and having side members extending along the sides of said base-plate, a roller mounted to swing on one of said side members near the free ends and having locking connection with the other side member, a cross-plate adjustable along the side members, a roller mounted to swing on the front end of the base-plate, and a plate connected to the frame for passing over said last-named roller.

5. A roll note-book, comprising a base-plate, rollers supported on the rear portion thereof, a frame comprising side members mounted to swing on the forward portion of the base-plate, a roller having swinging connection with one of said side members, and detachable locking connection with the other of said side members, absorbent material on said roller, and a roller at the forward portion of the base-plate.

6. In a roll note-book, a base-plate, frames extended upward from said base-plate near one end, rollers having their bearings in said frames, spring-yielding plates for engaging with the extended portions of the shaft, a frame mounted to swing on the forward portion of the base-plate and comprising side members, a roller supported on said side members near the free ends, and a roller supported on the base-plate near the free end.

7. In a roll note-book, a base-plate, rollers supported on the rear portion thereof, a roller at the front portion of the base-plate, a rod



on which the said roller is mounted, a swing-  
ing connection between said rod and the base-  
plate at one side, a plate on the opposite side  
of the base and having an outwardly-opening  
5 notch for receiving the opposite end of said  
rod, a frame mounted to swing on the front  
end of the base-plate and comprising side  
members having an upwardly-extended loop  
portion for engaging over the said rod near  
10 the notched plate, and a plate attached to said

side members for extending over said last-named roller.

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

OLIVER HULBACK.

Witnesses:

A. A. MILLER,  
A. J. RICHARDS.