

Sept. 11, 1923.

1,467,896

O. JUVET
ROLL HOLDER

Filed Aug. 18, 1922

2 Sheets-Sheet 1

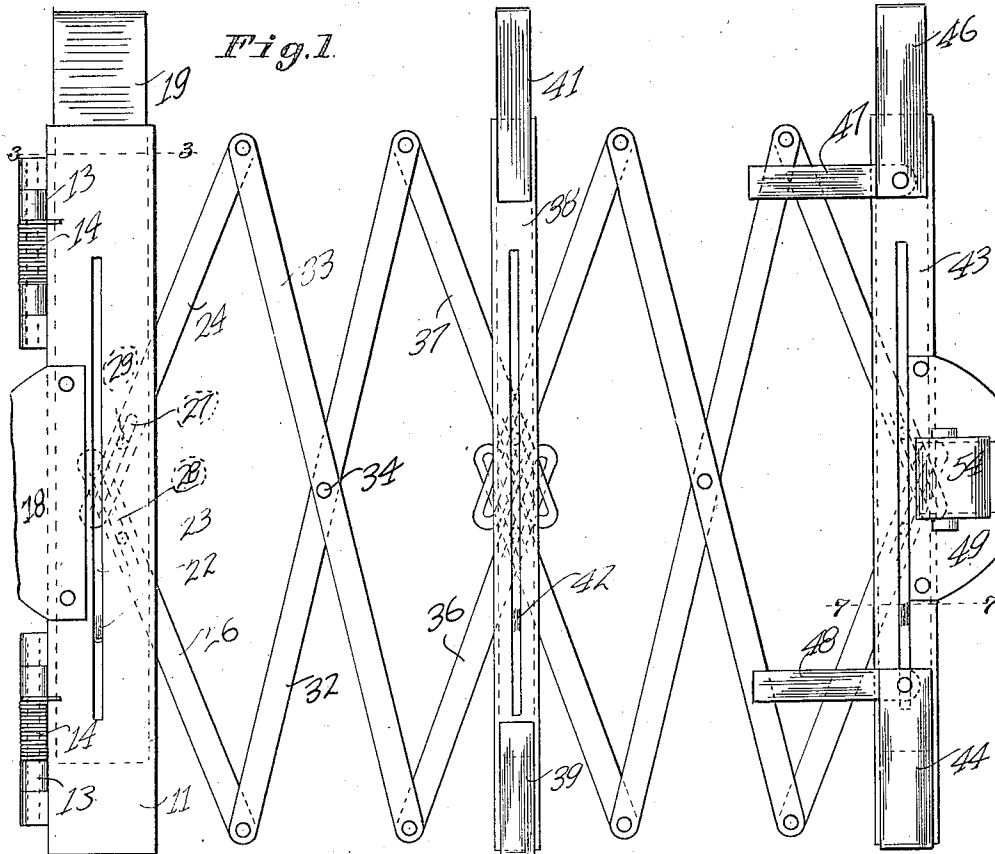


Fig. 2.

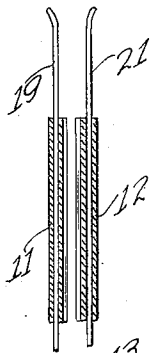


Fig. 4.

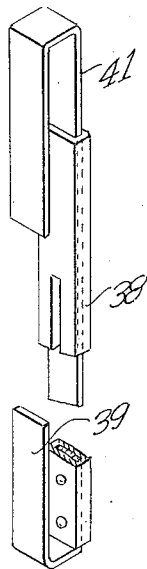


Fig. 6.

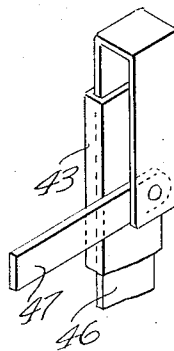
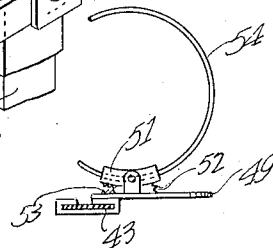
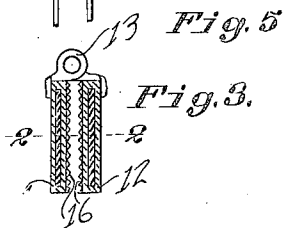


Fig. 7.



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Fig. 8.

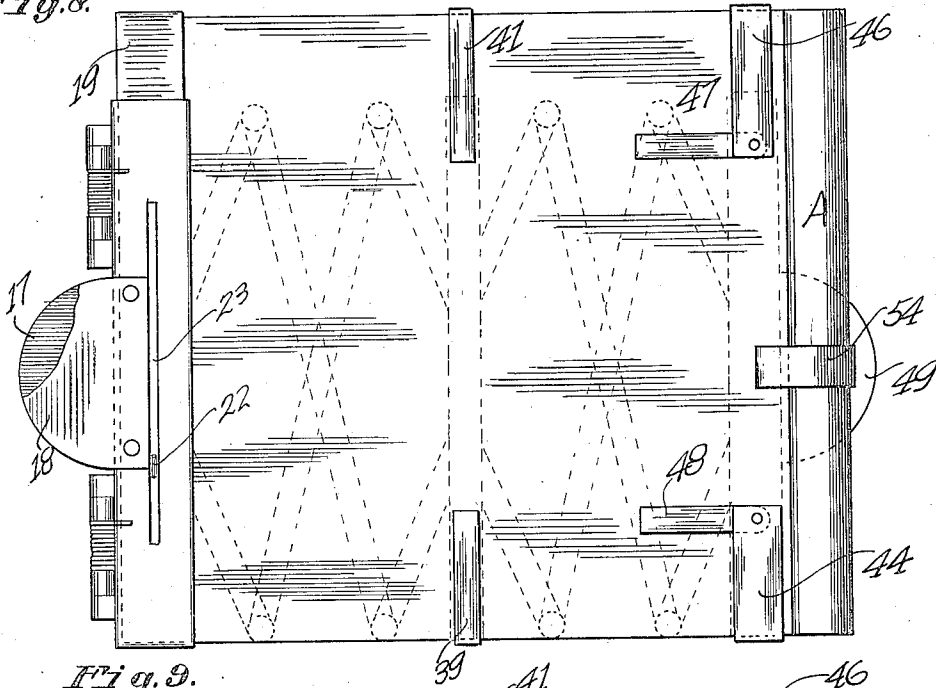
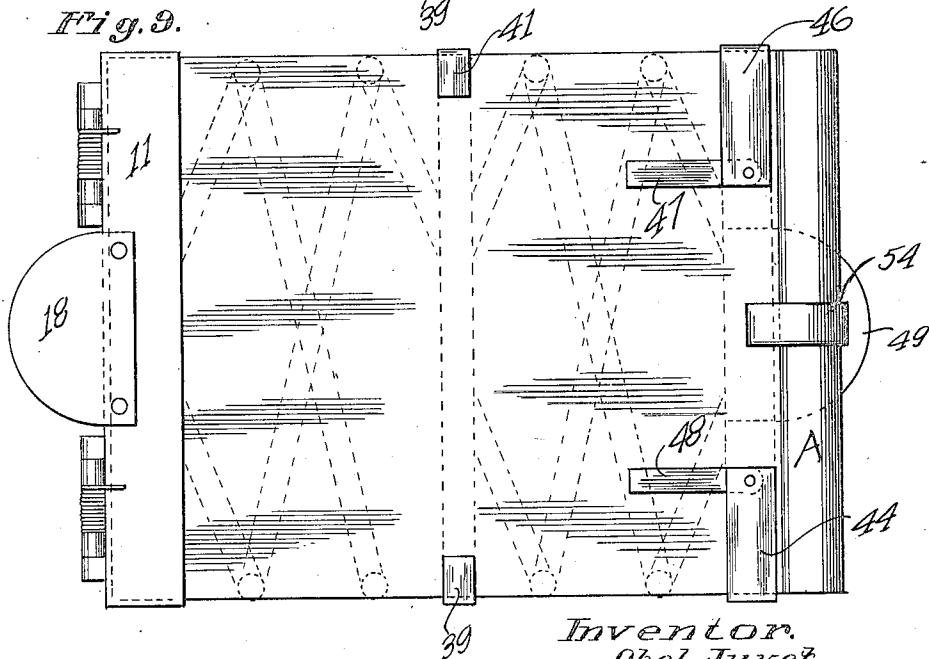


Fig. 9.



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Patented Sept. 11, 1923.

1,467,896

UNITED STATES PATENT OFFICE.

OBEL JUVET, OF FERNDALE, WASHINGTON.

ROLL HOLDER.

Application filed August 18, 1922. Serial No. 582,728.

To all whom it may concern:

Be it known that I, OBEL JUVET, a citizen of the United States, residing at Ferndale, in the county of Whatcom and State of Washington, have invented new and useful Improvements in Roll Holders, of which the following is a specification.

This invention relates to improvements in roll holders and has particular reference to holders for use with blue print rolls, road maps and the like.

The principal object of this invention is to provide a holder which will assist the user in holding the sheet of blue print or the like in a flat position while viewing the same.

Another object is to provide a holder of this character which is simple to construct, cheap to manufacture and of light weight, also one which is readily applicable to various sizes of rolls.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a front elevation of my device partly extended,

Figure 2 is a cross-section taken on the line 2—2 of Figure 3,

Figure 3 is a cross-section taken on the line 3—3 of Figure 1,

Figure 4 is a detail perspective view of the upper extremity of the central holding member,

Figure 5 is a fragmentary detail perspective view of the lower extremity of the central holding member,

Figure 6 is a fragmentary detail perspective view of the upper extremity of the end clamp,

Figure 7 is a cross-section taken on the line 7—7 of Figure 1, looking in the direction of the arrow,

Figure 8 is a front elevation of my device showing the extensible feature, and

Figure 9 is a front elevation showing the device without the extensible feature.

It is a well known fact that it is extremely difficult to hold and examine a roll, such as blue prints, while in the open due to the natural curvature of the paper which has previously been rolled, and also due to the fact that slight currents of air tend to wrinkle and wave the paper. It is to over-

come this difficulty that I have devised my invention which holds a roll in a clip to which are secured extensible members which carry a second clip, which second clip is adapted to grasp the free end of the roll.

In the accompanying drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 11 designates a tubular member spaced from a tubular member 12 as by hinges 13. These hinges are each provided with a spring as shown at 14 which tend to maintain these tubular members in contact one with the other at all times. These tubular members are each provided upon their adjacent faces with serrations 16 (see Figure 3) which serrations are adapted to engage one end of a roll of paper as will be later seen.

Suitable finger pieces 17 and 18 are riveted to the tubular members 11 and 12, which finger pieces serve to separate the tubular members 11 and 12 for the purpose of inserting the sheet of paper therebetween. Within these tubular members 11 and 12 are placed slidable extensions as shown at 19 and 21. These extensions are each provided with a protuberance 22 extending into a slot 23 formed within the outer surface of the tubular members 11 and 12. This construction is best shown in Figure 1. Each tit prevents its respective extension from leaving the respective tubular members. Attached to one of the tubular members as for instance the member 12 are links 24 and 26. These links are each provided with a slot as shown at 27 and 28, which slot engages a rivet as shown at 29 and 31. To the free extremities of these links, there are secured links 32 and 33 which are crossed and pivoted as shown at 34, to the free ends of which I have in turn pivoted links 36 and 37. These last-mentioned links are provided with slots similar to the slots 27 and 28 and surround rivets secured in the rear portion of a guide 38, which guide is tubular and carries at its lower extremity a rigid clip 39, while a sliding clip 41 is provided at its upper extremity. The sliding clip referred to is likewise held from being accidentally displaced as by a protuberance 42. A similar series of links connect the guide 38 with a tubular member 43, which tubular member is provided with a rigid clip 44 at its lower extremity and a movable clip 46 at its upper extremity. These last mentioned clips

are each provided with a swinging finger as shown at 47 and 48, the purpose of which will be later seen.

Attached to the tubular member 43 is a finger grip 49. Upon this finger piece 49, I propose to mount a pivoted tubular member 51, the construction of which is best shown in Figure 7. A spring 52 serves to force one extremity of this tubular member toward the finger piece 49. The numeral 53 designates serrations which serve to grip the end of the sheet of paper as will be later seen. A curved spring member 54 has one end passed through the tubular member 51 and is frictionally held therein. This spring member 54 is adapted to hold the roll therein, which roll is designated by the letter A.

The operation of my device is as follows:—

A roll of blue prints or other matter to be later examined is placed within the spring member 54 and the free end clamped between the tubular members 11 and 12. At this time the device as a whole is closed so as to bring the tubular members 11 and 12, guide 38 and tubular member 43 into close proximity one to the other. The clips 39, 41, 46 and 44 of the guides 38 and 43 are adjusted over the edges of the paper and the device is then ready for use. To use the device, the operator grasps the finger pieces 17 and 18 in one hand and the finger piece 49 in the other hand and pulls these finger pieces in opposite directions from each other with the result that the toggles or lazy tongs separate so that the device as a whole assumes the position shown in Figures 1, 8 and 9. The result will be that the paper is pulled from

the roll held in the spring member 54 and is maintained flat by the tubular members 11 and 12, and the clips 39, 41, 46 and 44. Should the entire roll be unrolled, then the fingers 47 and 48 may be extended and the free end of the paper may be engaged beneath the tubular member 51 as by the serrations 53.

From the foregoing description taken in connection with the accompanying drawings, it will be seen that I have provided a very light, simple and efficient device for accomplishing the purpose set forth.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

In a device of the character described, the combination with a plurality of tubular members hinged one to the other and adapted to be held in contact one with the other, toggle means secured to one of said tubular members, a third tubular member secured to said toggle means, clips mounted on said third tubular member, toggle means secured to said third tubular member and extending to a fourth tubular member, and a clip carried on said fourth tubular member, substantially as and for the purpose described.

In testimony whereof I affix my signature.

OBEL JUVET.