No. 743,631. PATENTED NOV. 10, 1903.

W. Y. FUQUA.

PRESS FOR RIBBONS, &c.

APPLICATION FILED OCT. 30, 1902.

NO MODEL.

Fig. 1.

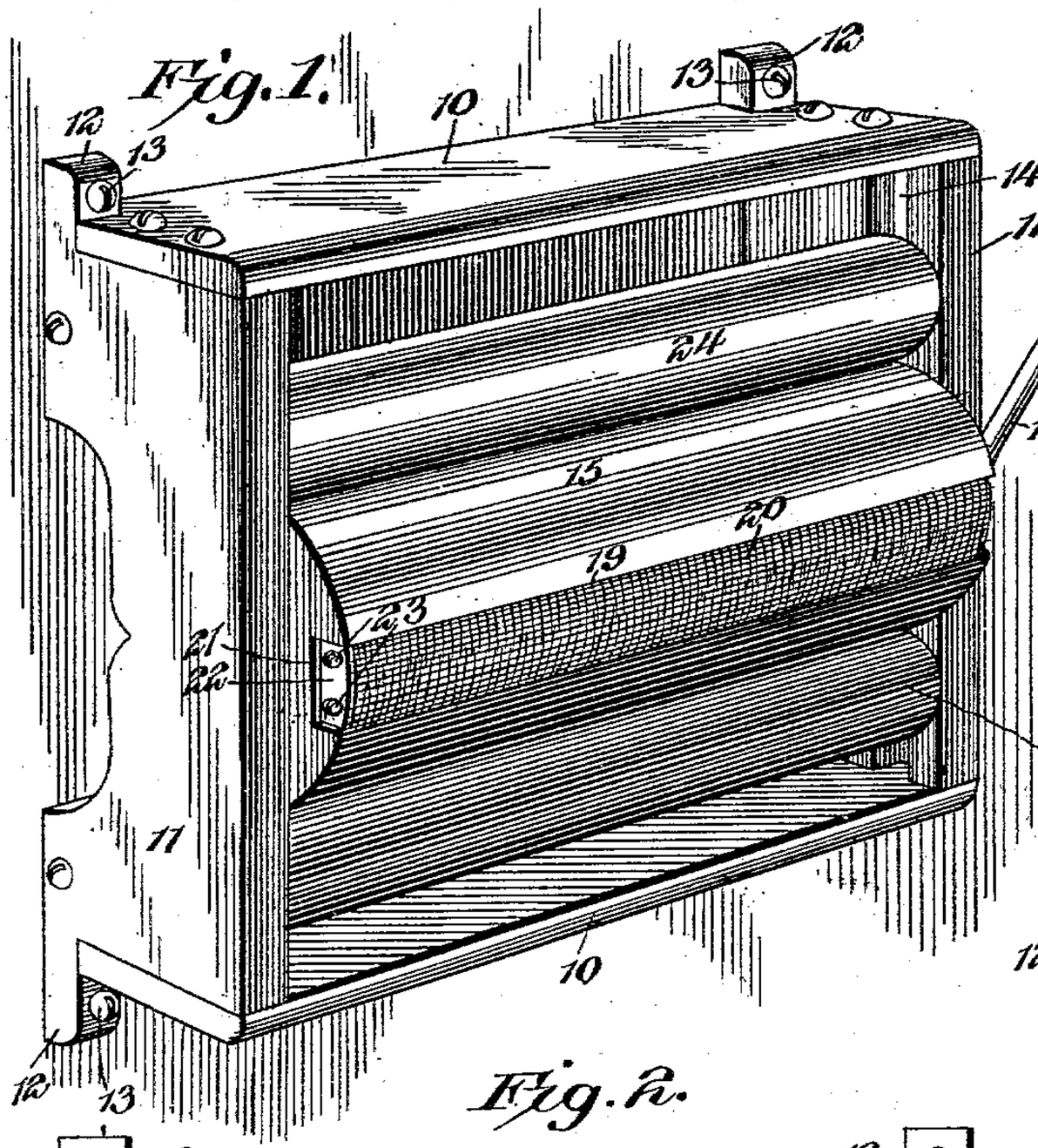


Fig. 4.

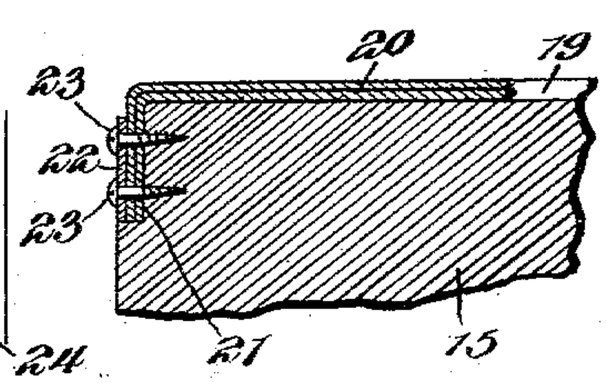
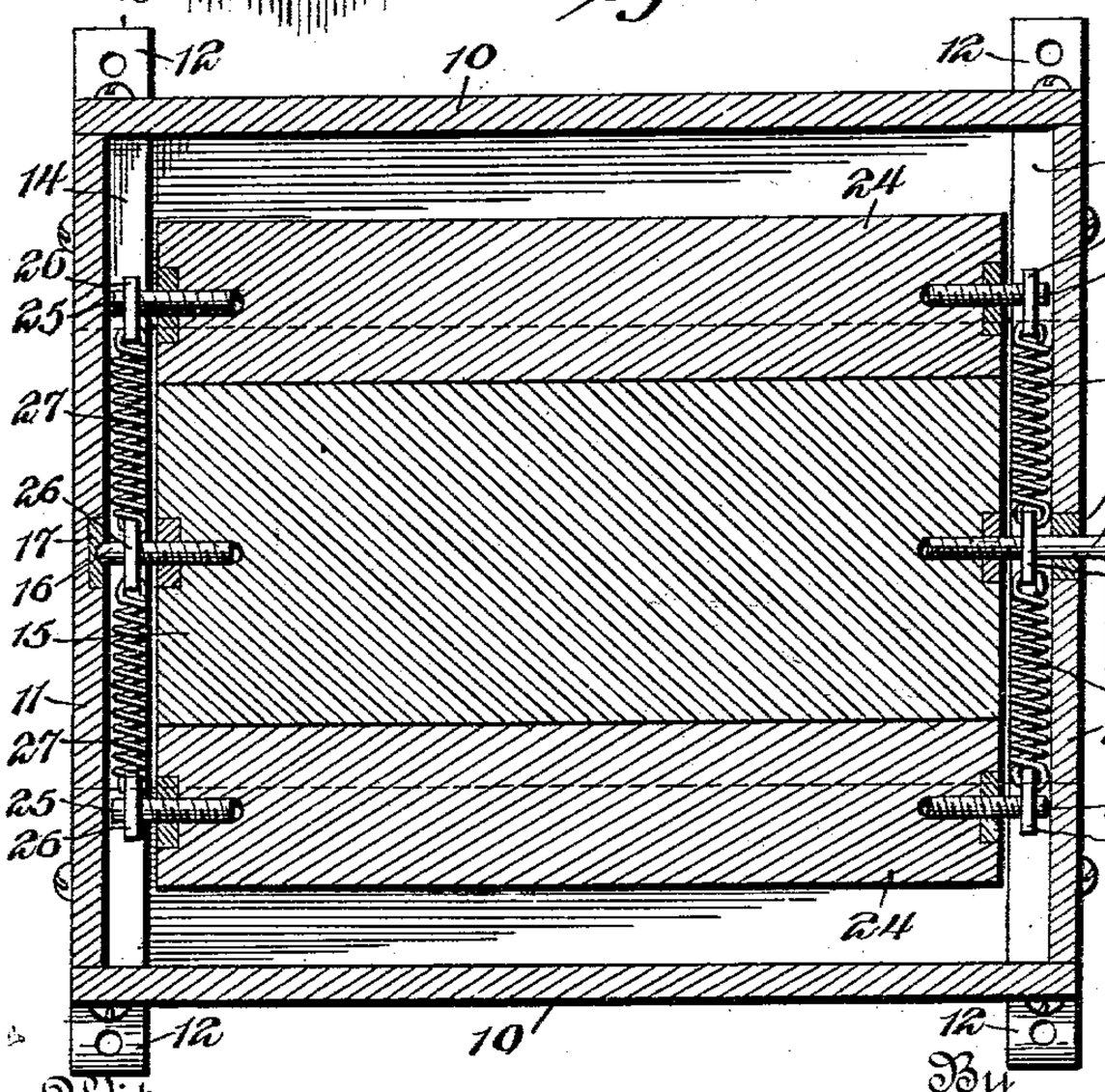
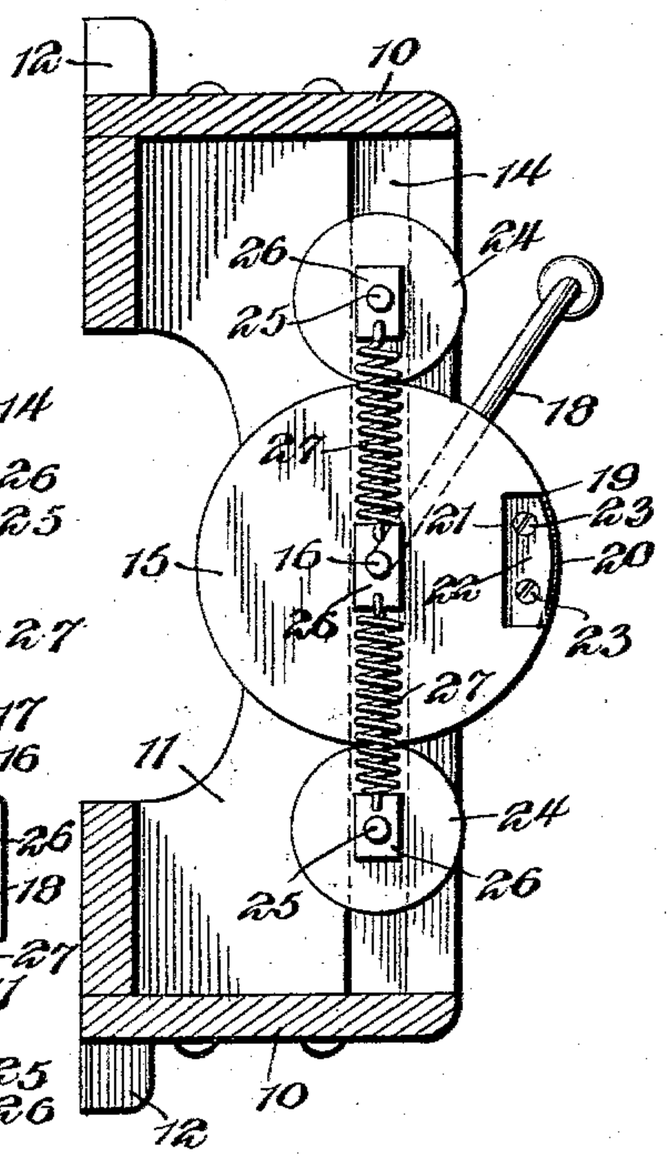


Fig. 3.

Fig. 2.





Witnesses
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No. 743,631. Patented November 10, 1903.

UNITED STATES PATENT OFFICE.

WILLIAM YANCEY FUQUA, OF HOUSTON, TEXAS.

PRESS FOR RIBBONS, &c.

SPECIFICATION forming part of Letters Patent No. 743,631, dated November 10, 1903.

Application filed October 30, 1902. Serial No. 129,467. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM YANCEY FUQUA, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented a new and useful Press for Ribbons and the Like, of which the following is a specification.

The present invention relates to presses for smoothing wrinkles out of ribbons, laces, neckties, and the like.

The object is to provide mechanism of an extremely simple and inexpensive nature which will receive and hold articles in a smooth and pressed relation and from which they may be readily removed, said mechanism being easily understood and operated.

The preferred form of the invention is fully illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of the same. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a vertical transverse sectional view, and Fig. 4 is a detail sectional view through a portion of the article-holding roller.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the embodiment shown a frame is employed, which is preferably in the form of a boxing, comprising side walls 10 and end walls 11, the latter having feet 12, through which screws 13 or other fastening devices may be passed, so that said frame can be secured to a wall or other support, as shown in Fig. 1. The end walls 11, furthermore, have longitudinal guideways 14 formed in their opposing inner faces contiguous to their outer edges. An article-holding roller 15 is arranged within the frame and substantially midway between the side walls 10. This holding-roller is provided on its opposite ends with gudgeons 16, journaled in bearings 17, located in the end walls, one of said gudgeons extending through the end wall and carrying an exposed handle-crank 18. The holding-roller 15 is furthermore provided with a longitudinal groove 19 in its face, and stretched elastic article-holding straps 20 are seated in the groove, so that the outer face of the outer one will be substantially flush with the face of the roller, as shown more particulary in Fig. 3. The ends of these straps are seated in sockets 21, formed in the ends of the roller 15 and are fastened by clamp-plates 22 and screws 23, passed through the clamp-plates and the ends of the straps and engaging in the roller.

Arranged on opposite sides of the article-holding roller 15 are pressing-rollers 24, preferably smaller in diameter than the roller 15 and resting against the face of the same. These rollers 24 have gudgeons 25 projecting from their ends and extending into the guideways 14. Arranged upon all the gudgeons are journal-boxes 26, which are located in the guideways 14, those of the pressing-rollers being slidably mounted, as will be readily understood. Coiled springs 27, also located in the guideways 14, are secured at their outer ends to the journal-boxes 26 of the pressing-rollers, while their inner ends are fastened to the journal-boxes of the holding-roller. Thus said springs serve to urge the pressing-rollers toward the holding-roller.

In using this device the ribbon or other article to be pressed is first secured at one end to the holding-roller by having said end passed between the straps 20. The roller is then turned carefully one revolution in order that the article may securely engage the same, after which said article is held tightly and the roller revolved until the ribbon is completely wound thereon. It is left in this condition for a determinate period of time, after which the ribbon or article may be removed and will be found smooth and unwrinkled, due to its retention in this state upon the holding-roller.

It will be apparent from the drawings that the structure as shown is of a very simple nature and can be manufactured at small cost. The pressing-rollers depend for their movement on the revolution of the holding-roller, and the springs are strong enough to create a sufficient pressure to take out all creases or rumples in the fabric passed between the rollers.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of con-

struction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. In a press of the class described, the combination with an article-holding roller having a journal, of a pressing-roller bearing against the holding-roller and having a journal, non-rotatable journal-boxes arranged on both journals, supporting means for the boxes and a spring connected to both boxes to urge the pressing-roller toward the holding-roller.

2. In a press of the class described, the combination with an article-holding roller, of pressing-rollers arranged on opposite sides of the holding-roller, all of said rollers having journal-gudgeons at their ends, non-rotatable journal-boxes arranged upon the gudgeons, guideways for the boxes and springs connecting the journal-boxes of the holding-roller and the pressing-rollers to urge said pressing-rollers toward the holding-roller.

3. In a press of the class described, the combination with a supporting-frame comprising a boxing having alined guideways in its opposite end walls, of an article-holding roller journaled in the frame and having gudgeons located in the guideways, pressing-rollers resting against opposite sides of the holding-roller and having gudgeons arranged in the guideways, non-rotatable journal-boxes arranged on the gudgeons and slidably mounted in the guideways, and springs connecting the journal-boxes of the pressing-rollers with the journal-boxes of the holding-roller.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM YANCEY FUQUA.

Witnesses:

C. M. NOLAN,

C. H. YOUNG.