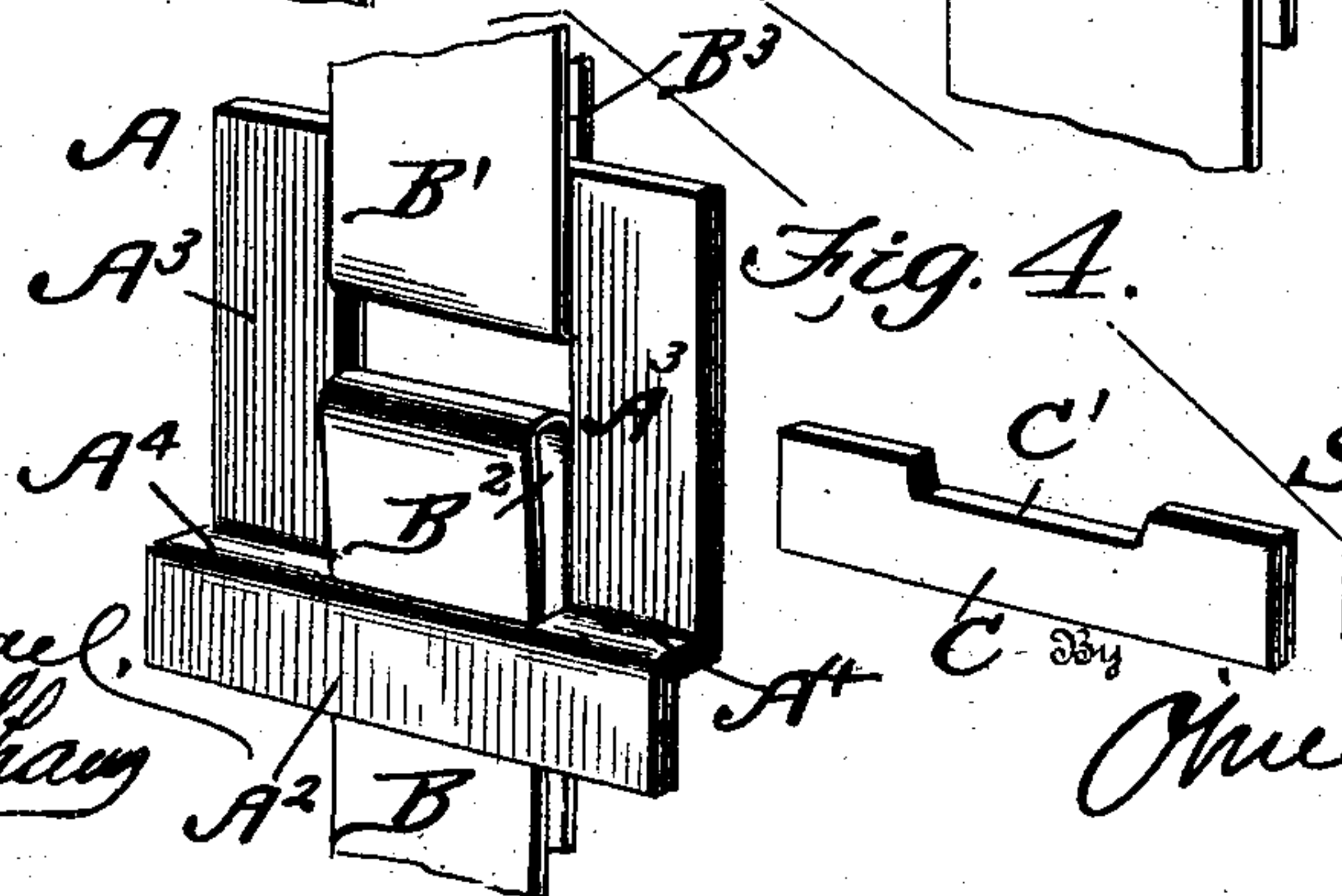
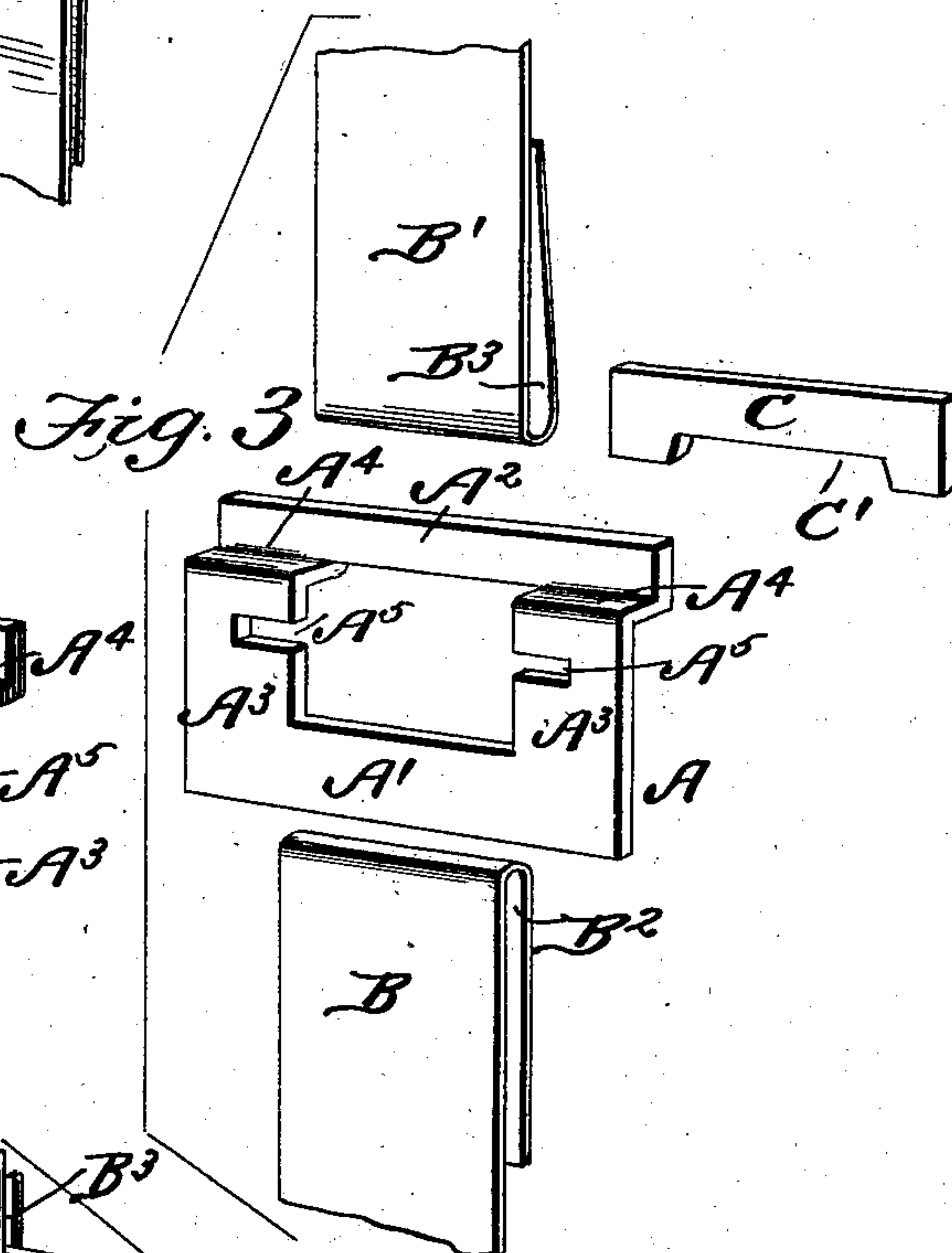
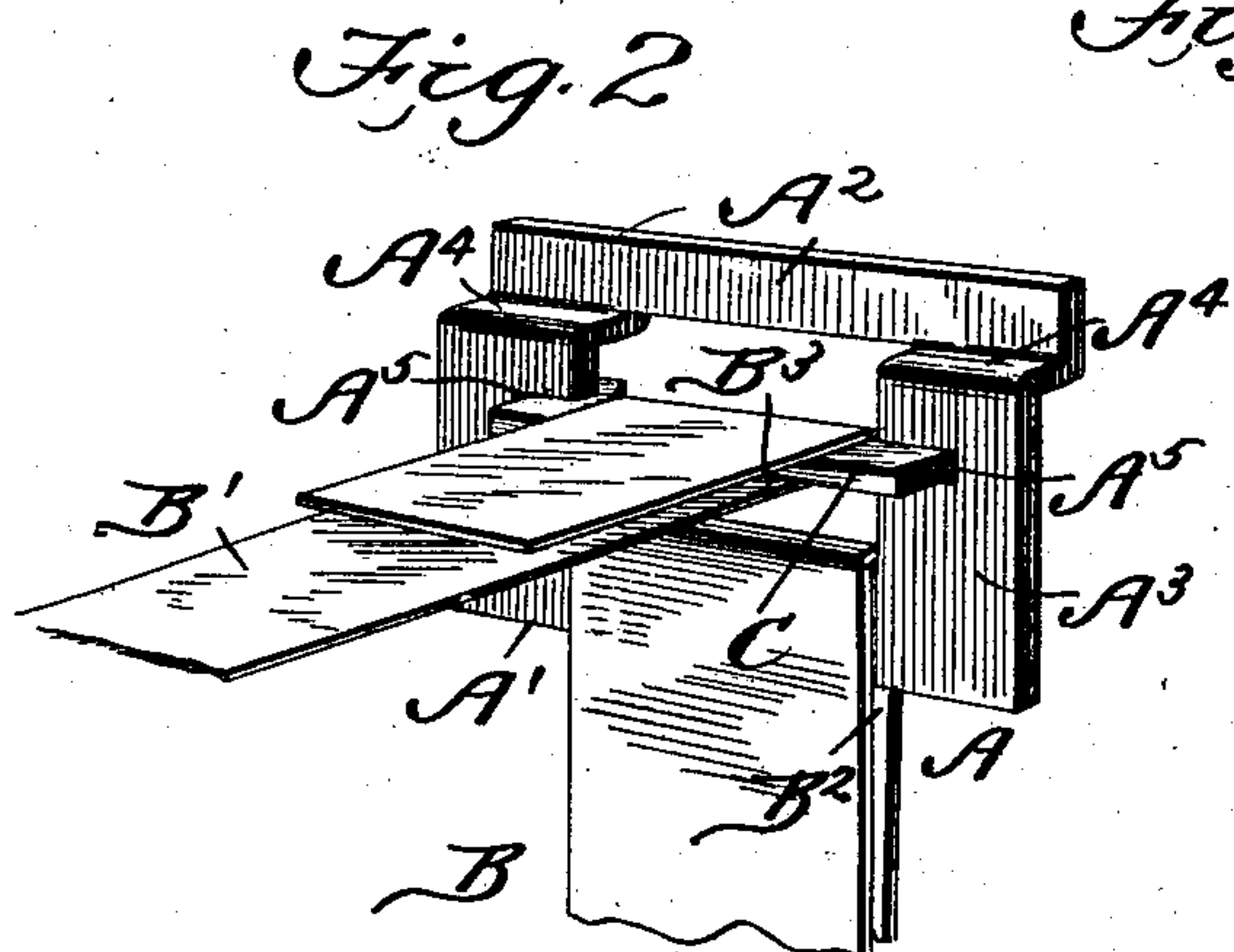
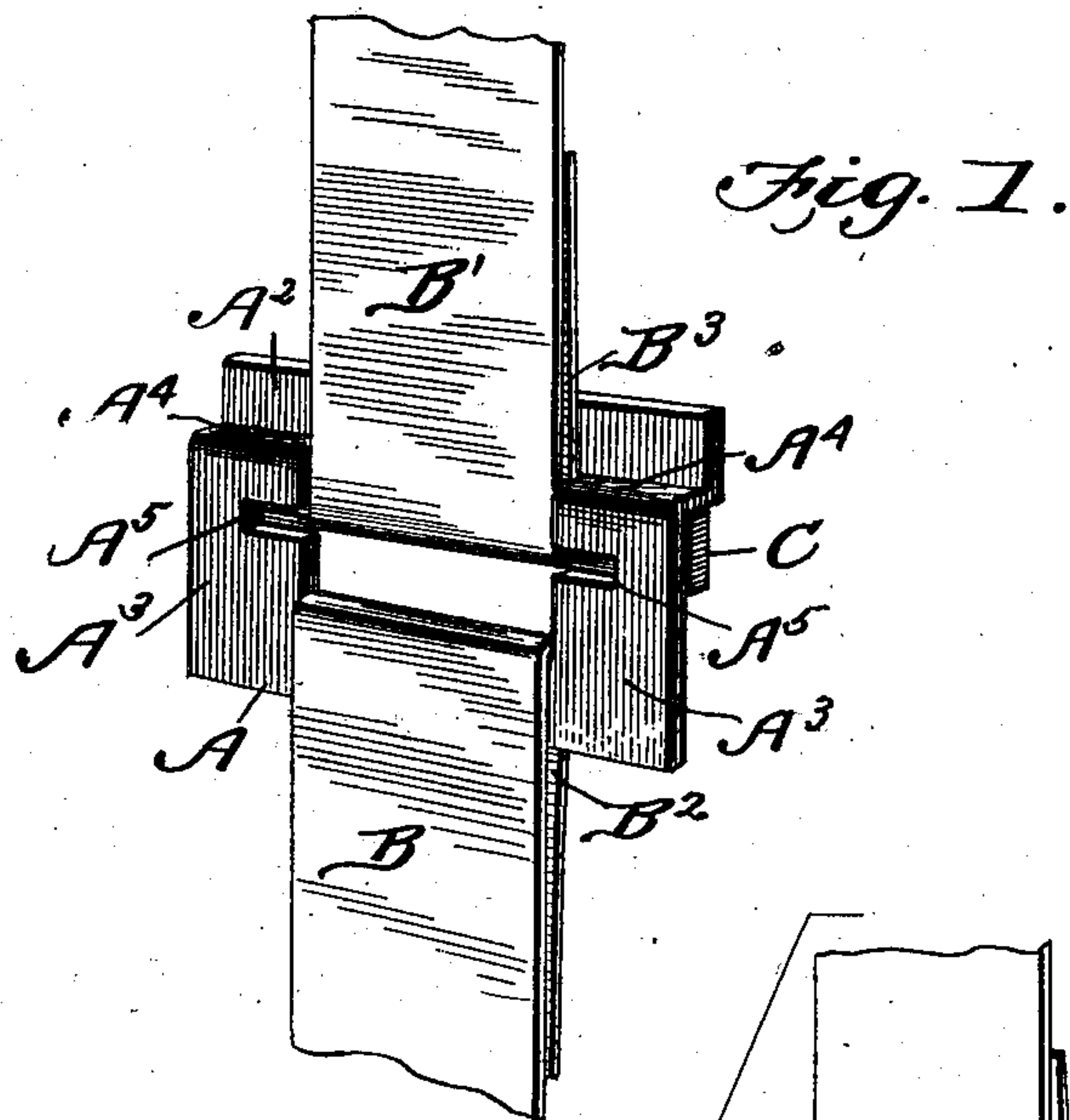


S. T. GREEN.
BALE TIE.

APPLICATION FILED MAY 17, 1902.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

SAUNDERS TAYLOR GREEN, OF DYERSBURG, TENNESSEE.

BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 720,133, dated February 10, 1903.

Application filed May 17, 1902. Serial No. 107,833. (No model.)

To all whom it may concern:

Be it known that I, SAUNDERS TAYLOR GREEN, a citizen of the United States, residing at Dyersburg, in the county of Dyer and State of Tennessee, have invented a new and useful Bale-Tie, of which the following is a specification.

This invention is an improved construction of bale-tie, the object being to provide an exceedingly cheap, simple, and efficient device by means of which the meeting ends of the tie-bands can be quickly and securely fastened. Another object is to provide a device from which the end of the tie-band can be quickly and easily disconnected when desired.

With these objects in view the invention consists, essentially, in providing a rectangular-shaped frame offset or angled adjacent to one end and a locking-key adapted to be inserted in the loop of the bands and bear against the offset or angled portion of the frame.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view illustrating a bale-tie constructed in accordance with my invention, the parts being shown in the positions they occupy when the tying operation is completed. Fig. 2 is a perspective view illustrating the position of the parts during the tying operation when one form of tie-frame is employed. Fig. 3 is a view illustrating in detail the frame, the bale-bands, and the locking-key; and Fig. 4 is a perspective view illustrating a slightly-modified form of construction, the parts being shown in the positions they occupy during the tying operation, the locking-key being separated from the loop in the band.

In constructing a bale-tie in accordance with my invention I employ a buckle-frame A, essentially in the form of an open rectangle and comprising the side members A' and A² and the end members A³. The end members A³ are offset or angled adjacent to the side member A², as most clearly shown at A⁴, the side members A' and A² being arranged in parallel planes, and the offset or angled por-

tions provide a shoulder against which a locking-key can bear. The end members A³ are preferably notched at opposite points, as shown at A⁵, in order to permit the insertion of the locking-key during the tying operation. B and B' indicate the bale-bands, the band B being looped, as shown at B², and passed around the member A'. The band B' is looped, as shown at B³, and the locking-key C is preferably inserted in said loop, and in practice I prefer to provide this key with a cut-out portion C' to receive the bale-band, thereby preventing any lateral movement of the key after the locking operation has been completed.

In the construction of tie illustrated in Figs. 1, 2, and 3, and in which the end members are notched, the key is usually carried within the loop of the band B', and in order to complete the locking operation the key is inserted in the said notches, as illustrated in Fig. 2, and brought into engagement with the offset or shouldered portion of the frame, as most clearly shown in Fig. 1. In the construction shown in Fig. 4, and in which the notches are omitted, the loop B' is inserted beneath the member A² and projected into the frame a sufficient distance to receive the locking-key C, it being understood that the straight side of the key is turned against the offset or shouldered portion of the frame, while the band fits into the cut outside of the said key.

It will thus be seen that I provide a simple and safe construction of bale-tie which can be quickly and easily fastened, and inasmuch as it is only necessary to reverse the operations herein described in order to unfasten the tie it is likewise obvious that the untying operation can be as quickly accomplished.

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

1. A bale-tie comprising an essentially rectangular frame, having two of its oppositely-disposed members offset or shouldered adjacent to a third member, said members being notched and a key adapted to be passed through the notches and bear against the offset or shouldered portion of the frame, as specified.

2. The combination with an essentially rec-

tangular frame having two oppositely-disposed members offset or shouldered adjacent to a third member, of the bale-bands looped around the side members of the frame, and
5 a key cut away upon one edge, said key being adapted to be passed through one of the band-loops, and bear against the offset or shouldered portion of the frame, as specified.
3. A bale-tie comprising a substantially
10 rectangular frame, one of the sides of said frame lying in a lower plane than its corre-

sponding opposite side, whereby an offset is produced upon the two connecting sides, and a key cut away along the intermediate portion of one side, said key being adapted to
15 bear against the offset, substantially as described.

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