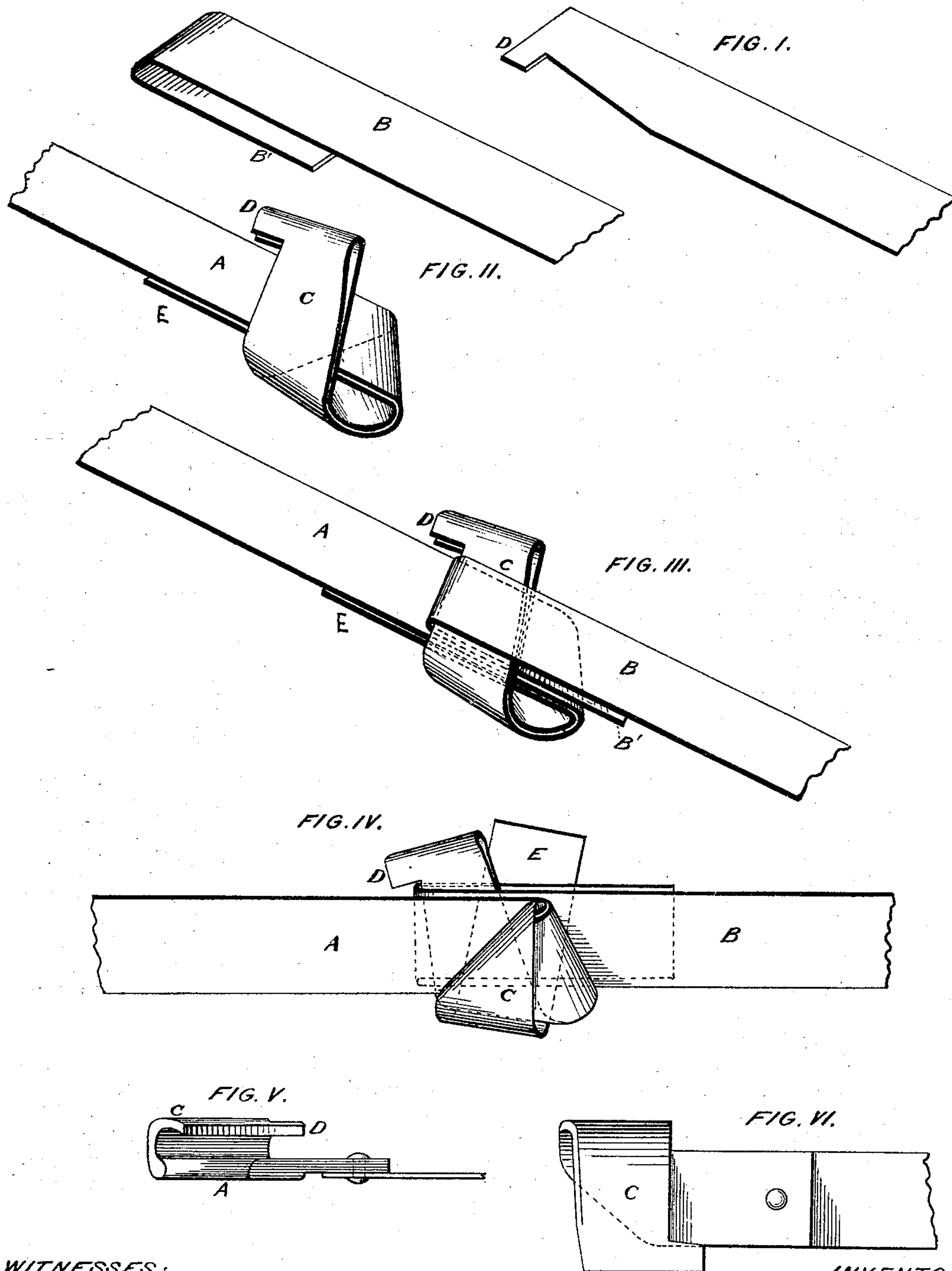


G. W. SCOTT.
Cotton-Bale Ties.

No. 152,424.

Patented June 23, 1874.



WITNESSES:

George W. Scott
A. C. Norris.

INVENTOR:

George W. Scott
by James C. Norris
att'y.

UNITED STATES PATENT OFFICE.

GEORGE W. SCOTT, OF SAVANNAH, GEORGIA.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **152,424**, dated June 23, 1874; application filed June 18, 1874.

To whom it may concern :

Be it known that I, GEORGE W. SCOTT, of Savannah, in the county of Chatham and State of Georgia, have invented certain new and useful Improvements in Bale-Ties, of which the following is a specification :

This invention relates to a new and improved bale-tie, to be used in baling cotton, or other material.

My invention consists in doubling and notching band-iron, and then lapping and relapping it, either to the right or left, at such angles and into such shape as to form a hook or catch, which when connected with the other end of the tie, folded or turned in the usual manner, forms a complete self-fastening band or tie, not dependent upon the expansion of the bale to keep it fast or in place, substantially as described in the accompanying drawings.

Figure 1 represents the band-iron notched, previous to being lapped or turned into a hook or catch. Fig. 2 represents the hook or catch C as formed, and on one end of the band or tie, into which the other end of the band or tie folded, as in B, is to be hooked. Fig. 3 represents the ends of the band or tie fastened or hooked together, as they appear when the band or tie is turned so as to bring the hook on the outside, the folded or short part of the end B resting between the hook and the main part of the band, which keeps it from drawing out. Fig. 4 represents the hook or catch turned under next to the bale, and the end E of the band or tie turned back upon the hook, so as to rest between the bale and the folded or short part of the other end of the tie B, to keep the latter in its place without depending on the expansion of the bale. Figs. 5 and 6 represents two views of the hook or catch formed of heavy band-iron, riveted to the band, for use when great strength is required.

A represents the end of this band or tie carrying the hook or catch, and B the other end bent or folded in the usual way or form. C represents the hook or catch; D, the notch by which the hook is formed; and E, the end of the tie turned so as to rest next the bale when the hook is turned under, as in Fig. 4.

The hook or catch may be formed directly upon the end of the band or tie, as follows: The band or tie is first folded or doubled one or more times, and then notched as in Fig. 1. The portion thus folded or doubled is then bent or lapped at an angle of about forty-five degrees to the edge of the tie, as shown in Fig. 2. The said folded portion is again turned or lapped over the edge of the tie, thus forming the hook or catch. The upper edge or part of the hook or catch, in which the other end of the tie rests when fastened, is then parallel to a line drawn across the band at right angles to its edge, thus bringing the pressure or strain on the hook direct, or in a line with the band. This hook or catch may be made separate from the band or tie, and be attached thereto by a rivet. When thus constructed it may be formed of band-iron, single or double, or of malleable iron. In either case it is to be formed substantially of the same shape as the hook or catch first described as formed directly upon the band or tie, and to be used in the same manner.

The operation of my invention will be readily understood. The band or tie is first properly placed around the bale, with the hook turned either out or in, and the two ends brought together. The folded end B is then hooked or slipped into the hook or catch C, as shown in Figs. 3 and 4, and is held in place by the projection D, and by its passing between the hook and main part of band when the hook is up, and between the hook and the end of the band E when the hook is down.

What I claim is—

A hook or catch formed by notching, folding, and refolding band-iron at such angles as to form, when connected with the other end of the band or tie, a complete self-fastening bale-tie—the hook or catch is formed upon one end of the band or tie, or out of a separate piece, and riveted to the band—substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand.

GEORGE W. SCOTT.

Witnesses :

A. H. NORRIS,
GEO. W. CUSHING, Jr.