

No. 662,558.

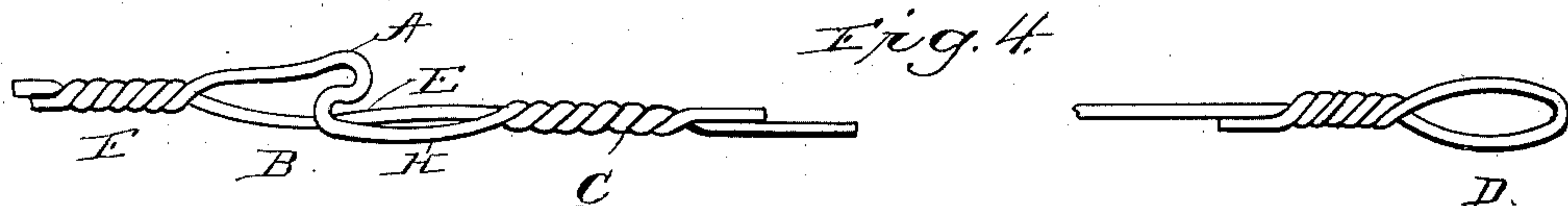
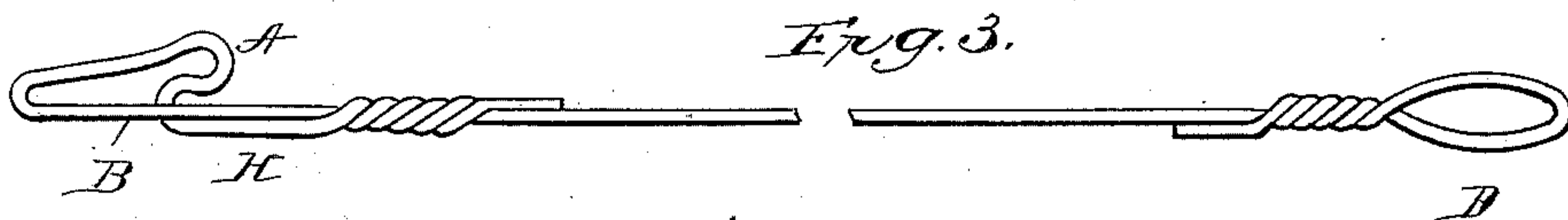
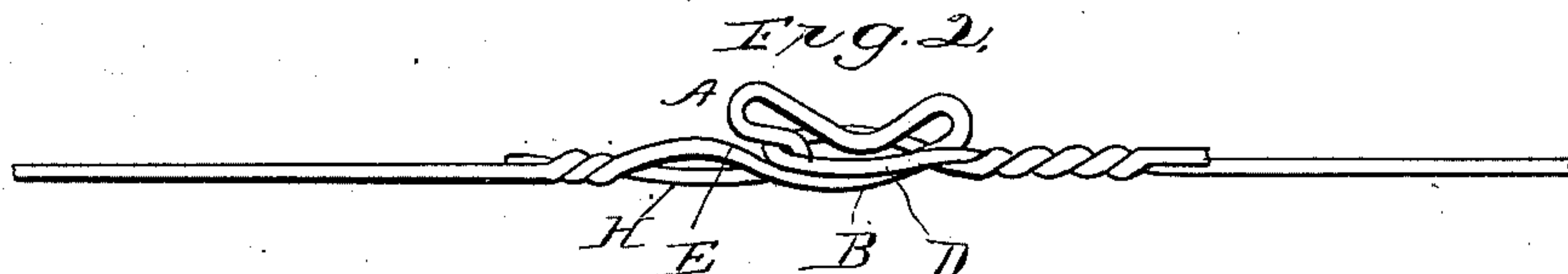
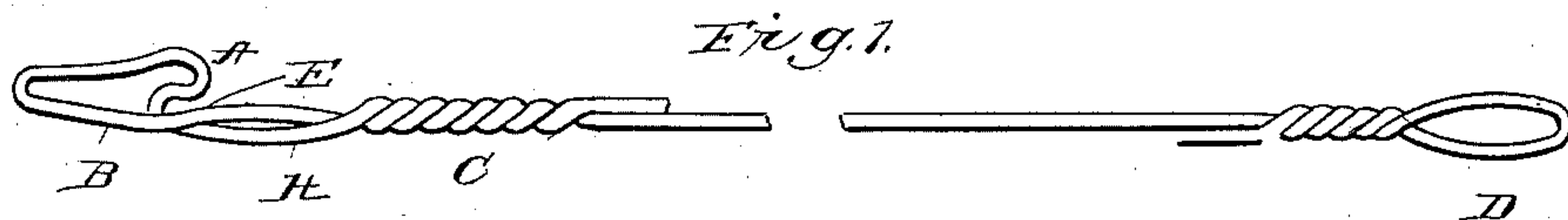
Patented Nov. 27, 1900.

P. K. DEDERICK.

WIRE BALE BAND FASTENING.

(Application filed Dec. 7, 1893.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

PETER K. DEDERICK, OF LOUDONVILLE, NEW YORK.

## WIRE-BALE-BAND FASTENING.

SPECIFICATION forming part of Letters Patent No. 662,558, dated November 27, 1900.

Application filed December 7, 1893. Serial No. 493,031. (No model.)

*To all whom it may concern:*

Be it known that I, PETER K. DEDERICK, of Loudonville, county of Albany, State of New York, have invented certain Improvements in Wire-Bale-Band Fastenings Formed from Wire, of which the following is a specification, reference being had to the drawings and letters of reference marked thereon.

Figure 1 represents my improved wire band. Fig. 2 represents the same locked as in use. Figs. 3 and 4 represent modifications of the same.

Similar letters represent similar parts.

As shown in Fig. 1, the fastening consists of a catch or hook formed of the wire, the projecting end being folded back and twisted to the body of the band in such manner as to form a brace to the hook or catch, A being the hook, formed by a bend in the wire, and B being the brace, which is twisted with the hook-wire at C. The hook may be formed on either the folded end or on the main band-wire and the other constitute the brace. On the opposite end of the band a loop D is formed by folding back the end of the wire and twisting it to the body of the band, as shown. This loop is of proper size to engage with the hook and brace end, as shown in Fig. 2. As will be observed, the brace-wire B passes so close to the nose of the hook A that in putting the loop D in the hook the brace B must spring down at E to admit it, and after being hooked the spring-brace prevents it from unhooking, so that it is practically locked and cannot become unhooked, as is frequently the case with other bands, before they are discharged from

the press and before the strain of the bale is on them. Hence this spring-brace lock constitutes a very desirable and valuable improvement in this class of bands. Fig. 4 represents a similar hook and brace, but is formed from two pieces of wire, A being the hook and B the brace, and they are twisted together at both sides of the hook, as at F and C, and the brace B also passes close to the nose of hook A, so as to spring to admit and lock the loop D.

In Fig. 1 I have shown brace B bent to bring it close to the hook-nose at E and also some bend in the hook-wire at H, so that when subject to the strain of a bale they may render alike; but the render is so little that it will hold if the wire H is straight, and, in fact, either may be straight or curved, or both straight, as shown in Fig. 3, with same result.

Having thus fully described my invention, I claim—

The herein-described bale-tie formed of wire having its end doubled back and twisted together at a point removed from the bend, one of the strands of the loop so formed being bent into a hook with a deep throat and overhanging point and the other strand being brought into proximity to the point of the hook, at a point intermediate the twist and the extremity of the tie, thereby forming a spring-guard for retaining the cooperating strand; substantially as described.

PETER K. DEDERICK.

Witnesses:

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