

(No Model.)

E. L. YALE.
BUNDLE BAND.

No. 557,746.

Patented Apr. 7, 1896.

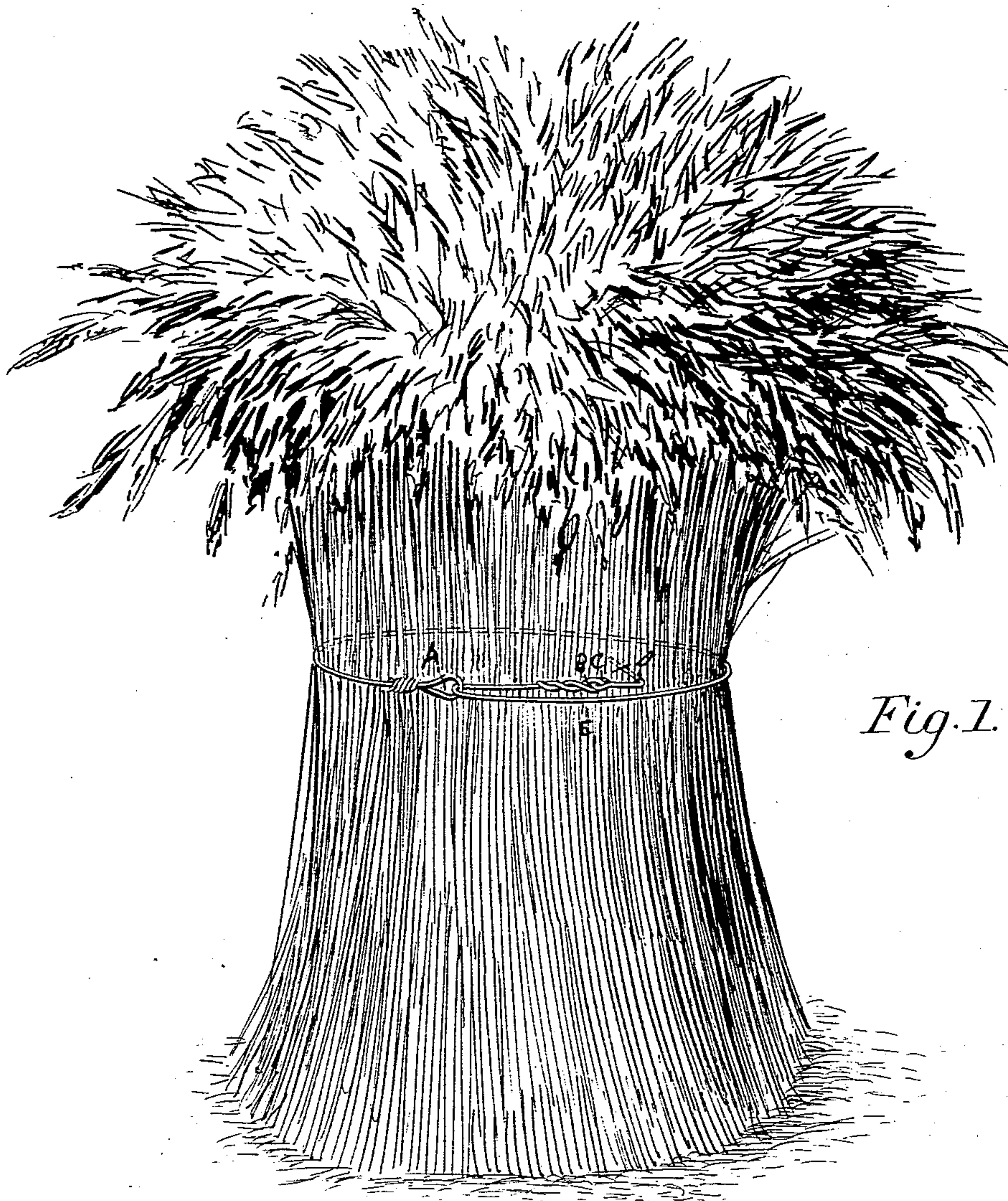


Fig. 1.

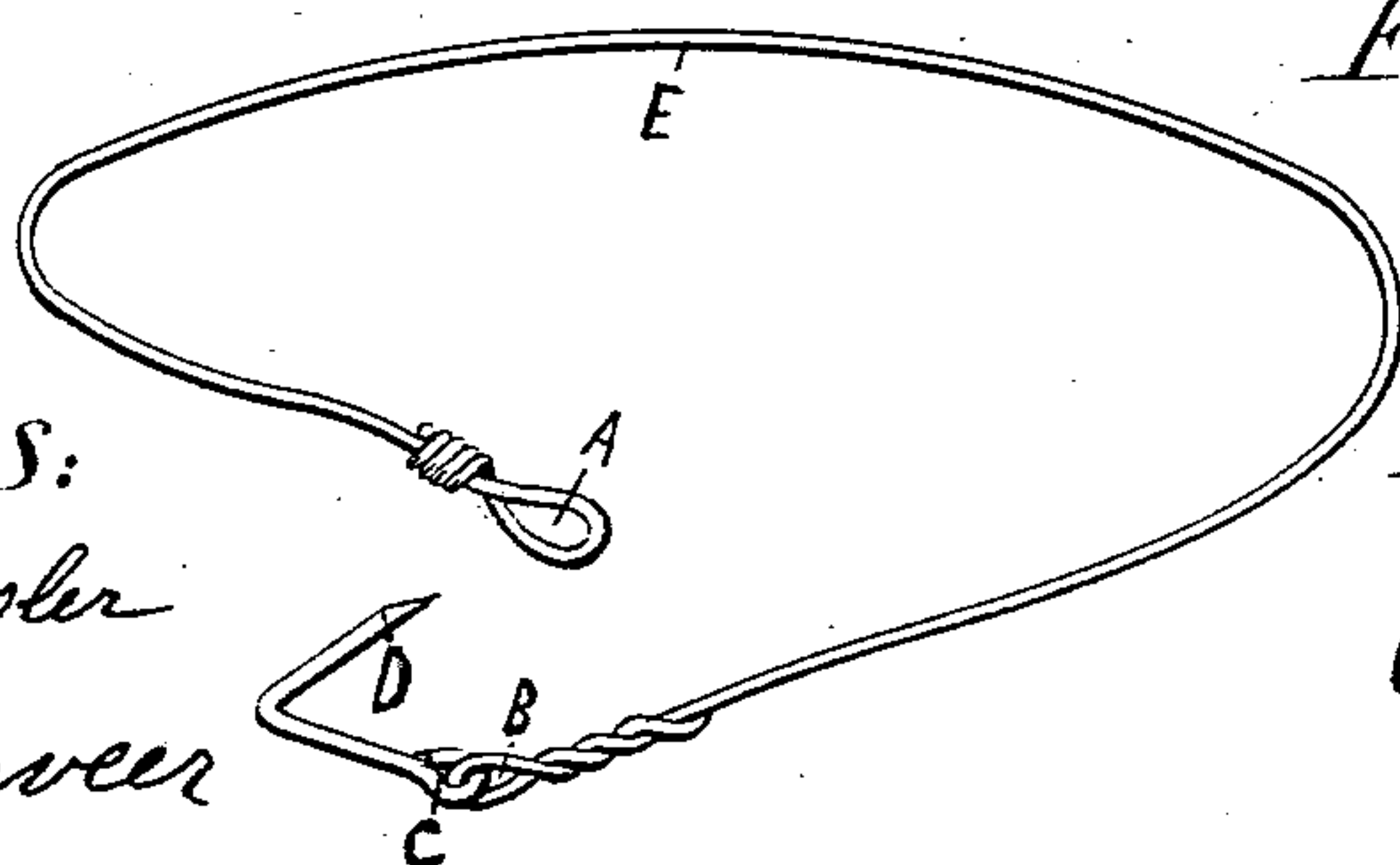


Fig. 2.

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EDWIN L. YALE, OF WEST LODI, OHIO.

BUNDLE-BAND.

SPECIFICATION forming part of Letters Patent No. 557,746, dated April 7, 1896.

Application filed February 15, 1895. Serial No. 538,511. (No model.)

To all whom it may concern:

Be it known that I, EDWIN L. YALE, a citizen of the United States, residing at West Lodi, county of Seneca, and State of Ohio, have invented a new and useful Bundle-Band for Binding Unhusked Corn, Corn-Fodder, &c., of which the following is a specification.

This invention relates to an improvement in metal ties or bands for binding corn-fodder, &c., into bundles, and has for its object to provide a simple, inexpensive, and efficient band or tie constructed principally from a single piece of annealed wire which may be applied with ease and despatch, removed with equal ease, and preserved for future use, which may be manufactured at extremely low cost, possess great durability, and be adaptable to bundles of various sizes.

To the above end the invention consists in a bale-tie made from a single piece of annealed wire the ends of which are looped and twisted upon themselves and an angular hook or grapple made from hard wire and having one end looped through one of the ends of the tie proper and its opposite end pointed for adapting the same to be introduced into the material of the shock or bundle in a manner hereinafter fully described, illustrated in the drawings, and finally pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view illustrating the manner in which the improved bale-tie is applied to a shock of grain or fodder. Fig. 2 is an enlarged detail perspective view showing the peculiar form of the improved tie or band.

Similar letters of reference designate corresponding parts in both figures of the drawings.

Referring to the drawings, E designates a section of wire of any desired length from which the improved tie or band is to be formed, said wire being annealed and the ends thereof being doubled over and twisted upon themselves or around the main wire to form at one end a loop A and at the opposite end a comparatively small loop B.

An angular hook or grapple is secured to one end of the tie thus formed, said hook or grapple being formed from wire of a heavier

gage and of a harder nature, one end of said hook being bent to form an eye C, which passes through and engages with the small loop B at one end of the tie-wire E, the opposite end of said hook or grapple being pointed or sharpened to adapt the same to penetrate a shock or bundle and embed itself therein.

In operation the tie or band is passed around the shock or bundle and the hook or grapple inserted in and drawn through the loop or eye A at the opposite end of the tie or band. The hook is now drawn back in substantially parallel relation to the main body of the tie or band E in such manner as to bind the latter tightly around the shock or bundle, after which the hook or grapple is inserted into or between the stalks or other material of which the bundle is composed, and the main wire E is then raised or lowered, so as to bring the same across the hook or grapple, which will effectually prevent the latter from escaping or becoming accidentally displaced.

The tie described may be manufactured at minimum cost, may be quickly and easily applied and removed, and will be found very efficient in practice.

By reason of the main body of the tie or band being composed of soft or annealed wire the life of the same is greatly increased and the device may be used repeatedly.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

A bale tie or band consisting of a piece of soft wire having a loop or eye at each end, and a separately-formed independent inflexible hook of substantially L shape, said hook being pivotally connected to the tie or band by means of an eye or loop in engagement with the loop at one end of the tie or band proper, and having its extremity pointed for adapting the same to be embedded in the material of which the bundle is formed, substantially as and for the purpose specified.

EDWIN L. YALE.

Witnesses:

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