

No. 854,746.

PATENTED MAY 28, 1907.

B. KNOTHE.
FASTENING HOOK.
APPLICATION FILED MAY 5, 1906.

Fig. 1.

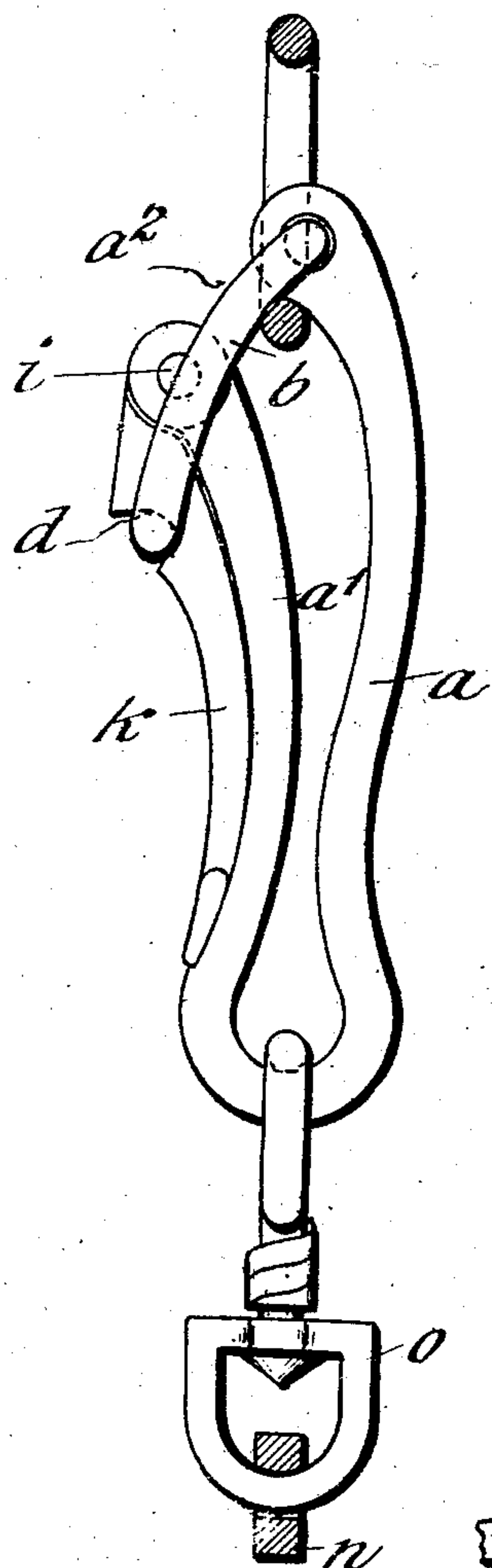
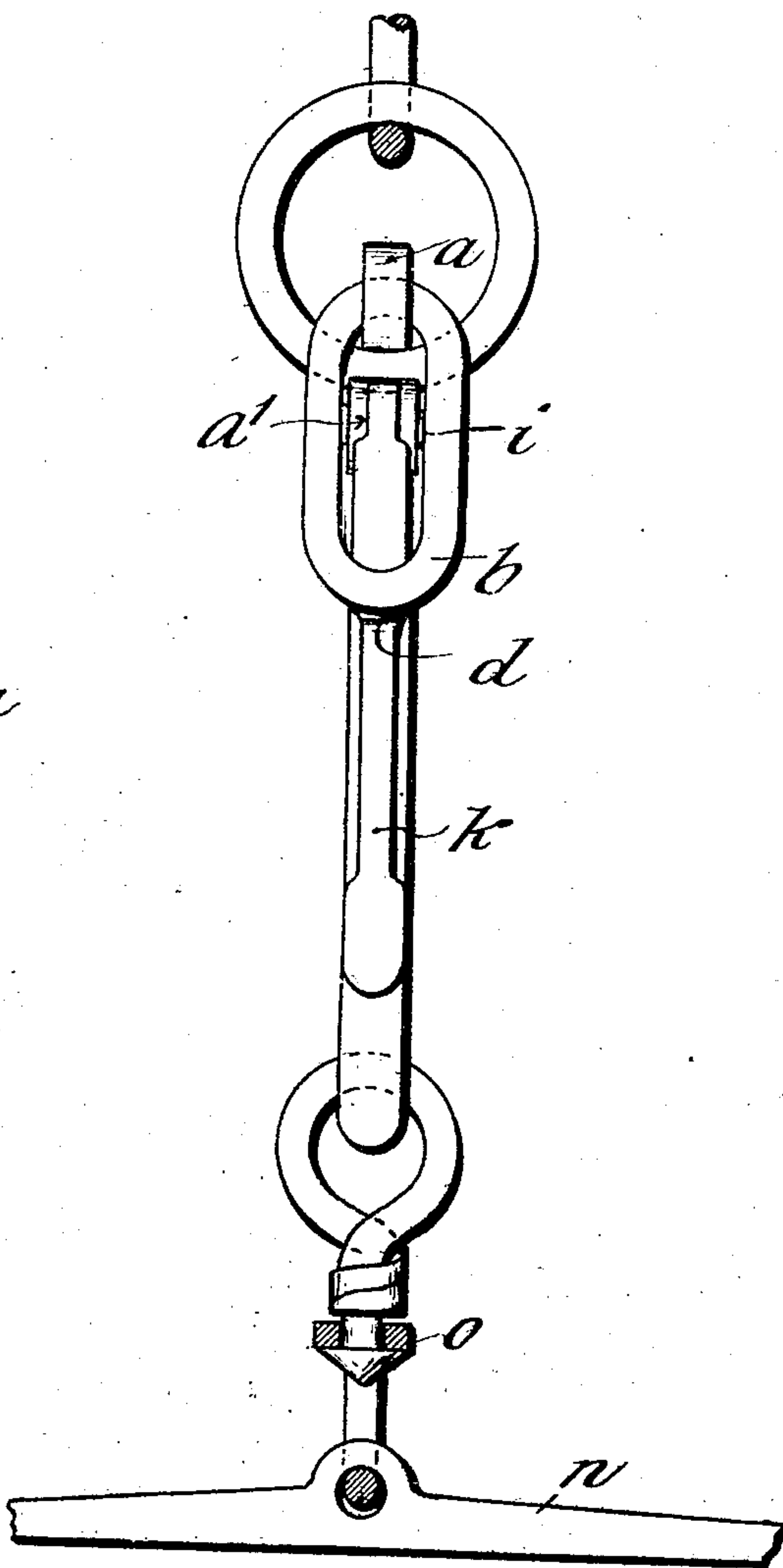


Fig. 2.



Witnesses

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BRUNO KNOTHE, OF DÖMITZ, GERMANY.

FASTENING-HOOK.

No. 854,746.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed May 5, 1906. Serial No. 315,447.

To all whom it may concern:

Be it known that I, BRUNO KNOTHE, a subject of the German Emperor, residing at Dömitz-on-the-Elbe, in the German Empire, have invented certain new and useful Improvements in Fastening Hooks, of which the following is a specification.

The invention relates to a coupling or fastening hook for collar chains, neck-bands and the like for securing cattle in stables or for similar purposes. In order to use such coupling or fastening hooks with advantage it is necessary that they permit of a convenient and rapid unfastening of the coupling even under most unfavorable or dangerous circumstances and while the chain is in tension.

The hook constructed according to the present invention is shown in the accompanying drawing, in which

Figure 1 is a side view and Fig. 2 a front or edge view thereof.

The coupling or fastening hook consists essentially of a bow a — a^1 open at a^2 in the direction of the line of tension. The one limb a is longer than the other a^1 and is curved inward to the opening a^2 , but not sufficiently to form a positively engaging hook. The opening a^2 is therefore oblique to the longitudinal axis of the bow. The opening a^2 is closed by a link b pivoted to the limb a of the bow a a^1 , which link engages a recess d in a lever k rotatable about a pivot i on the limb a^1 of the bow a a^1 and held in closed position by the elasticity of both limbs a , a^1 . The pivot of the lever (k) lies laterally of the line of the recess (d) and the pivot of the link (a^2) when the hook is closed.

Since the bow is thrown open at its end by outward pull on the lever k it can be easily and rapidly unfastened under the most unfavorable circumstances, for instance, should the animal become entangled in the neck chain and be nearly suffocated, the chain becoming pulled taut. When closed, the tension of the chain is almost exclusively borne by the limb a but it is sufficient to pull the locking lever k from the limb a^1 to open the link b , and the fastening becomes uncoupled without any necessity to pull in the chain or to increase the tension thereon. In order that this hook may be applied to any chain without special preparation a bar n may be connected thereto by a two part swivel link o as shown.

What I claim as my invention and desire to secure by Letters Patent of the United States is:—

A fastening hook comprising in combination an open-ended bow having one limb (a) longer than the other limb (a^1), a link (a^2) pivoted to the end of the limb (a), a lever (k) pivoted to the limb (a^1) and having a recess (d) adapted to be engaged by the free end of the link (a^2), the pivot of the lever (k) lying laterally of the line of the recess (d) and the pivot of the link (a^2) when the hook is closed.

In witness whereof I have signed this specification in the presence of two witnesses.

BRUNO KNOTHE.

Witnesses:

HENRY HASPER,
WOLDEMAR HAUPT.