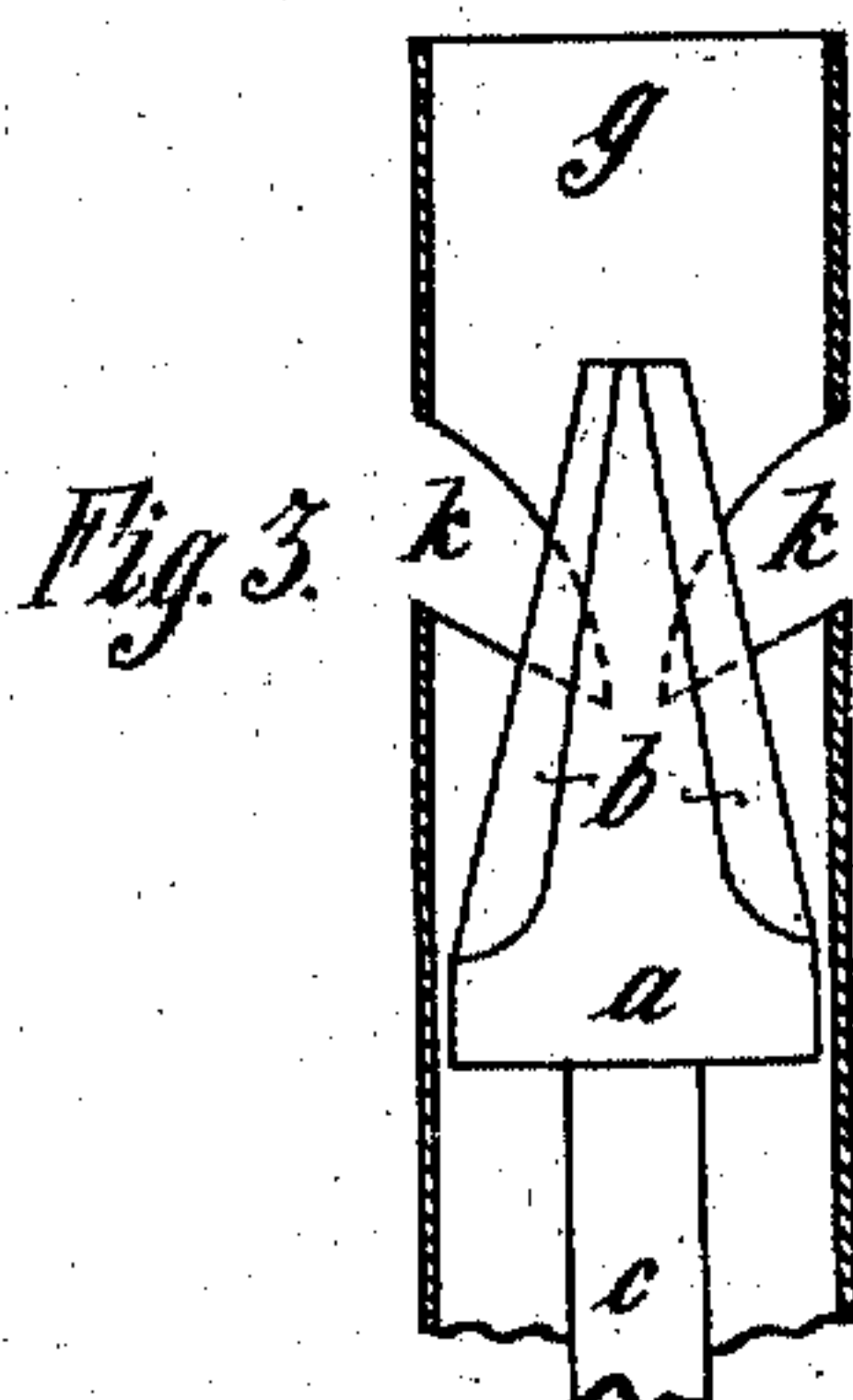
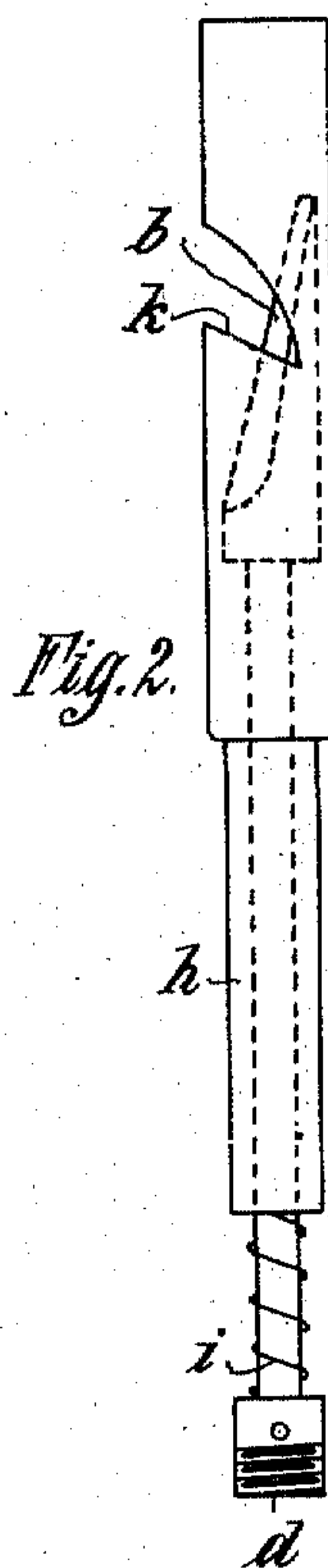
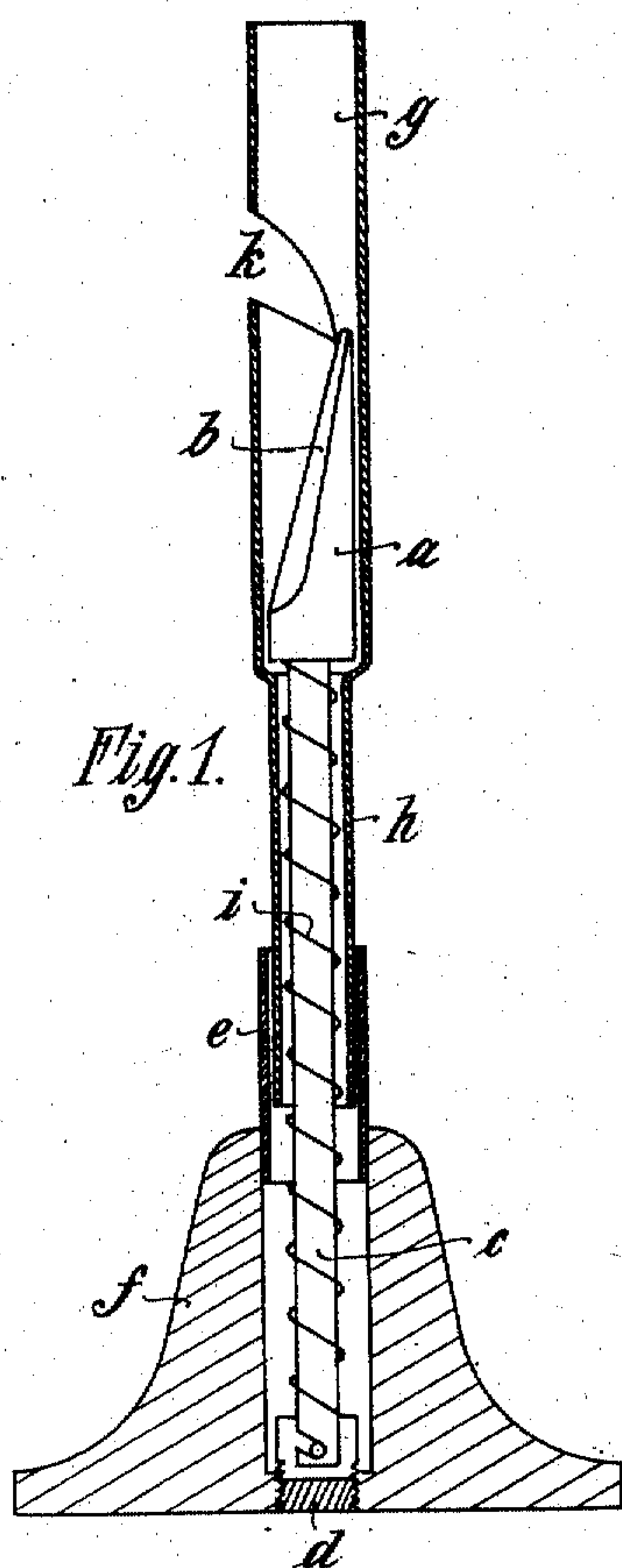


W. KUNDE.  
CUTTER FOR WRAPPING THREAD.  
APPLICATION FILED APR. 26, 1910.

985,531.

Patented Feb. 28, 1911.



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# UNITED STATES PATENT OFFICE.

WALTHER KUNDE, OF DRESDEN, GERMANY.

## CUTTER FOR WRAPPING-THREAD.

985,531.

Specification of Letters Patent.

Patented Feb. 28, 1911.

Application filed April 26, 1910. Serial No. 557,639.

*To all whom it may concern:*

Be it known that I, WALTHER KUNDE, a subject of the German Emperor, residing at Dresden, Germany, have invented a certain  
5 new and useful Cutter for Wrapping-Thread, of which the following is a specification.

This invention relates to devices for cutting wrapping thread, and has for its object  
10 to provide a device of this kind which may be easily operated to cut the thread and which will at the same time have its cutting knife well protected to prevent accidental injury to or by the knife. To this end I  
15 have provided a fixed knife inclosed in a movable tube or casing having a slot therein, said casing being adapted to be moved by being engaged by a piece of thread passed into the slot thereof, whereby the thread  
20 and casing may be moved so as to bring the thread into contact with the cutting edge of the knife, the casing serving at the same time as a support for the thread.

In the accompanying drawing forming a  
25 part of this specification, Figure 1 is a central vertical sectional view of the device, parts being shown in elevation, Fig. 2 is a side-elevation of the knife and the movable casing, and Fig. 3 is a detail view of a modified form of the device.  
30

Similar characters of reference refer to like parts throughout the several figures of the drawing.

Referring more particularly to the drawing, the knife *a* is provided with a slanting  
35 cutting edge *b* and a downwardly-extending shank *c*, having a slotted lower end engaging in a vertical slot in a screw-plug *d* screwed into the lower part of a vertical recess in the pedestal or base *f*. A short tube  
40 *e* is rigidly secured in the upper part of said recess coaxial therewith. The knife *a* is surrounded by a flat tube *g* provided with a reduced lower end *h* snugly and slidably  
45 received in the tube *e*.

The shank *c* is surrounded by a spiral spring *i* bearing at its lower end upon the plug *d* and adapted to be pressed upon at its upper end by the tube *g*, whereby said tube  
50 is pressed yieldably upwardly in such a position that the upper end of the reduced portion *h* engages under the knife *a*. One of the edges of the tube *g* is provided with an inwardly and downwardly inclined slot

*h*, said slot being located so that its inner  
55 end is just above the cutting edge *b* when the tube *g* is in its normal position.

When it is desired to cut a thread, the thread is passed into the slot *h* and caused to press downwardly on the lower face of  
60 said slot whereby the thread is held tightly and at the same time lowered against the cutting edge *b*, thus severing the thread.

The modification shown in Fig. 3 operates in the same manner as the form illustrated  
65 in Figs. 1 and 2. The knife of this modification is, however, provided with two oppositely disposed cutting edges *b*. The tube *g* is also provided with oppositely opening slots *h* adapted to coöperate with the cutting  
70 edges *b* as described of the form illustrated in Figs. 1 and 2. With this arrangement of double slots it is possible to cut the thread on either side of the device without the  
75 trouble of passing the thread over from one side to the other.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In a device for cutting thread, the combination of, a fixed knife, a casing adjacent  
80 to and slidable relative to said knife and having an open-ended slot removed from the cutting edge of the knife when the casing is in normal position, said slot having  
85 one end closed and disposed toward said cutting edge and adapted to pass the cutting edge when the casing is moved from its normal position, and means for holding the casing in normal position.  
90

2. In a device for cutting thread, the combination of, a fixed knife, a movable casing inclosing said knife and provided with a slot disposed at an angle to the cutting edge  
95 of the knife and being open at its part most remote from said cutting edge, said slot being removed from said cutting edge when the casing is in normal position, and means for yieldably holding the casing in normal position.  
100

3. In a device for cutting thread, the combination of, a pedestal having a broad flat-bottomed base, a knife fixed upright on said pedestal, a movable casing inclosing said  
105 knife and provided with a slot disposed at an angle to the cutting edge of the knife and being open at its part most remote from said cutting edge, said slot being removed from



said cutting edge when the casing is in normal position, and means for yieldably holding the casing in normal position.

4. In a device for cutting thread, the combination of a pedestal having a vertically disposed recess therein, a tube fixed in the upper part of said recess coaxial therewith, a slotted tube having a reduced portion slidable in said first-named tube, a knife disposed in said slotted tube and having a

shank disposed in said recess, and means for holding said slotted tube yieldably at its upward limit of movement.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

WALTHER KUNDE.

Witnesses:

ULYSSES J. BYWATER,  
CLARE SIMON.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

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