

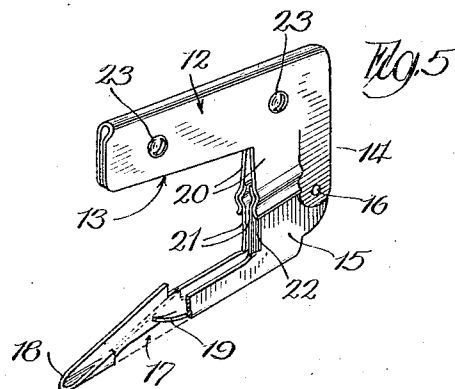
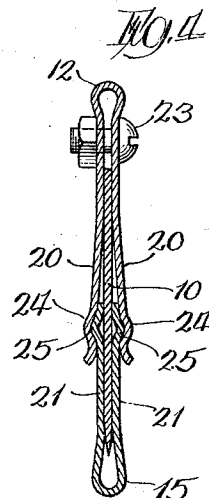
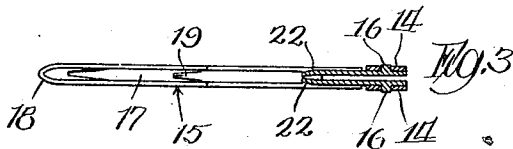
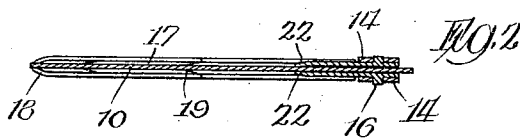
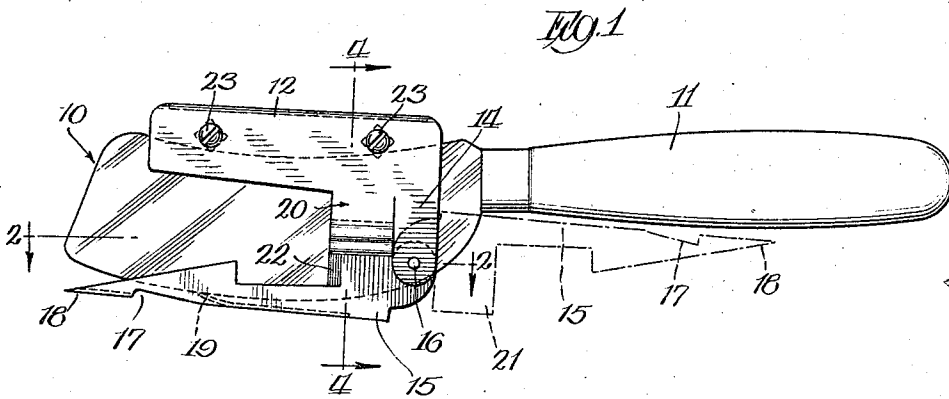
May 13, 1924.

1,493,484

J. ENHOLDT

CUTTER ATTACHMENT

Filed June 4, 1923



Witness:
Conrad M. Olsen

Inventor:
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by *[Signature]*

UNITED STATES PATENT OFFICE.

JOHAN ENHOLDT, OF CHICAGO, ILLINOIS.

CUTTER ATTACHMENT.

Application filed June 4, 1923. Serial No. 643,215.

To all whom it may concern:

Be it known that I, JOHAN ENHOLDT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cutter Attachments, of which the following is a specification.

This invention relates to improvements in cutter attachment particularly adapted, though not necessarily limited in its use with paper hangers' cutters.

Heretofore in paper hanging and especially when fabric is placed upon the walls considerable difficulty and inconvenience is experienced in cutting off the overlapping portions of adjacent strips of material so that the adjacent ends will abut and lie smooth and flat upon the wall. At present this is generally done by means of a knife and the use of a straight edge along which the knife is drawn, while the fabric rests flat against the wall. This operation is not entirely satisfactory because in order to make a clean cut the edge of the knife cuts into the plaster of the wall which dulls the knife. Furthermore, as the fabric has paste applied to the back thereof it is more or less moist and only a very small amount of the fabric can be cut at one time as the edge of the fabric will pucker or draw leaving a very rough and unsightly job.

It is one of the objects of the present invention to provide an improved attachment which is adapted to be readily applied to a cutter and by means of the use of which attachment the edge or portion of the fabric which it is desired to sever, will be raised away from the wall surface and brought into close proximity with the edge of the cutter so that the fabric will be readily cut by drawing the cutter therealong, and the surface of the wall will not be injured or marred either by the attachment or the cutting edge of the cutter.

A further object is to provide an improved attachment of this character embodying a shoe like portion which extends over and co-operates with the cutting edge of the cutter and which attachment is adapted to be turned back or out of the way, without detaching the same from the cutter, so as to expose the cutting edge of the cutter for sharpening or other purposes.

A further object is to provide an improved device of this character which will be sim-

ple, durable, cheap, light and compact in construction, readily applied to the cutter and as readily detached therefrom, and which will be effective and efficient in operation.

To the attainment of these ends and the accomplishment of other new and useful objects as will appear, the invention consists in the features of novelty, in substantially the construction, combination and arrangement of the several parts hereinafter more fully described and claimed and shown in the accompanying drawing illustrating this invention, and in which—

Figure 1 is a view in side elevation of a cutter having an attachment constructed in accordance with the principles of this invention applied thereto.

Figure 2 is a detail sectional view taken on line 2—2, Figure 1.

Figure 3 is a view similar to Figure 2, with parts omitted.

Figure 4 is a vertical sectional view taken on line 4—4, Figure 1.

Figure 5 is a detail perspective view of the attachment detached from the cutter and with parts broken away.

Throughout the specification and claims the term "shoe like member" will be applied to one of the parts for describing the same, but it is to be understood that this term is not to be considered as a term of limitation as any other shape may be given to the member which is suitable for the purpose.

Referring more particularly to the drawing the numeral 10 designates a cutter having a handle 11 applied thereto and which, in the present instance, illustrates a cutter or knife which is usually employed by paper hangers and commonly known as a paper hanger's knife. It is to be understood, however, that this attachment may be applied to any other form of knife.

The numeral 12 designates a substantially U shaped member of any desired size and configuration and constructed of any suitable material but preferably of a resilient material such as metal or the like. A portion of the member 12 is cut away as at 13 to provide a depending portion 14 arranged preferably at substantially right angles to the portion 12.

A shoe like member 15 also constructed of any suitable material, but preferably metal, is pivotally connected at one end as at 16

with the portion 14 so that the member 15 will be adapted for free pivotal movement about the pivot 16 to be moved into and out of position and substantially parallel with the member 12.

The shoe like portion 15 is provided with an opening 17 preferably through the bottom thereof and at a point preferably spaced from the extremity 18. A deflector 19 is arranged adjacent the opening 17 so as to deflect particles of the material being cut by the cutter and also to form a discharge outlet for any paste which may be carried by the material into the shoe like portion or between the shoe like portion and the edge of the cutter 10.

This opening 17 may be of any desired size and the deflector 19 is preferably formed from a portion of the bottom of the member 15 and deflecting the same upwardly and into the shoe like portion 15.

Any suitable means may be provided for yieldingly restraining the member 15 from movement about its pivot 16 with respect to the member 12. To that end a portion of the member 12 may be cut and shaped to form a pair of co-operating spring like jaws 20 opening downwardly and in a direction towards the member 15. The member 15 is provided with a portion 21 adapted to pass between the spring like jaws 20 to be yieldingly held thereby and thereby hold the member 15 in an operative position.

The jaws 20 and the portion 21 may be of any desired configuration.

The member 15 is also preferably provided with an upwardly projecting beveled portion 22 so arranged as to deflect the material which is being cut.

The device thus constructed is adapted to be applied to the cutter 10 by inserting the member 10 between the members 12 and 15, through the end of the members adjacent the pivot 16, as shown in Figures 1 and 4, so that the member 12 will engage over the top edge of the cutter 10 and the shoe like portion 15 will engage over the cutting edge of the cutter.

The parts may be secured to the cutter in any desired or suitable manner but preferably by means of fastening screws or bolts 23 which pass through the walls of the member 12 and over the upper edge of the cutter 10 and are tightened so as to cause the member 12 to grip the upper edge of the cutter 10. The cutting edge of the cutter will then enter the shoe like portion 15 and also between the upstanding portions 21 of the member 15. The cutter blade 10 will also pass between the depending jaws 20 of the member 12 as shown more clearly in Figure 4.

With the parts thus arranged the jaws 20 will co-operate with the cutter 10 for holding the shoe like member 15 yieldingly in

position, and to that end one of the upstanding portions 21 of the shoe like member 15 will pass between the cutter blade 10 and the adjacent jaw 20. If desired each of the jaws 20 may be provided with an offset portion or recess 24 adapted to receive a projection 25 on the respective portions 21.

When the parts are applied to the cutter as shown in the full line position in Figure 1, the extremity 18 of the shoe like member 15 will be directed away from the cutting edge of the cutter 10 and will preferably terminate adjacent the forward edge of the cutter so that in use the shoe like member 15 will be directed under the material to be cut, and this will raise the material as the cutter is advanced to cause the material to slide up the inclined surface of the portion 18 and will direct the material between the shoe like member and the cutting edge of the cutter and press the material against the latter, to be severed. The deflector 19 is so arranged that it will stand in close proximity to the cutting edge so that any paste or foreign matter which is carried by the material into the forward end of the shoe like member 15 will be discharged through the opening 17.

With this improved construction it will be manifest that the material may be cut while the same is applied to the wall without danger of marring the wall and also without danger of dulling the cutting edge of the cutter by reason of its coming into contact with the wall surface. The shoe like member will elevate the material to be cut and will also hold the cutting edge out of contact with the wall.

When it is desired to gain access to the cutting edge of the cutter for sharpening or for other purposes, the shoe like member 15 may be moved about its pivot 16 into the dotted line position shown in Figure 1, thereby permitting the edge of the cutter to be sharpened without necessitating the removal of the attachment from the cutter.

While the preferred form of the invention has been herein shown and described, it is to be understood that various changes may be made in the details of construction and in the combination and arrangement of the several parts, within the scope of the claims, without departing from the spirit of this invention.

What is claimed as new is:—

1. In combination a cutter, a shoe like member pivotally connected therewith and adapted to extend over and co-operate with the cutting edge of the cutter, said member operating to direct against the cutting edge and between said edge and the said member the material to be cut, and means for securing the said member against movement about its pivot.

2. In combination a cutter, a shoe like

member pivotally connected therewith and adapted to extend over and co-operate with the cutting edge of the cutter, said member operating to direct against the cutting edge the material to be cut, and means yieldingly holding the said member in an operative position with respect to the said cutting edge.

3. In combination a cutter, a shoe like member pivotally connected therewith and adapted to extend over and co-operate with the cutting edge of the cutter, said member operating to direct against the cutting edge the material to be cut, and means for securing the said member in operative position with respect to the said cutting edge, there being an opening through the said member through which particles may be discharged during the cutting operation.

4. In combination a cutter, a shoe like member pivotally connected therewith and adapted to extend over and co-operate with the cutting edge of the cutter, said member operating to direct against the cutting edge the material to be cut, means for securing the said member in operative position with respect to the cutting edge, there being an opening through the said member through which particles may be discharged during the cutting operation, and a deflector adjacent the opening.

5. In combination a cutter, a shoe like member pivotally connected therewith and adapted to extend over and co-operate with the cutting edge of the cutter, said member operating to direct against the cutting edge the material to be cut, and locking means for securing the said member in operative position with respect to the cutter and against movement about its pivot, said member being movable about its pivot to expose the cutting edge of the cutter and while the said member is attached to the cutter.

6. In combination, a cutter, and a shoe like member connected with the cutter, said member in its operative position extending over and being fixed with respect to the cutting edge of the cutter, the front end of the said member and the adjacent portion of the said cutting edge diverging to form an entrance for the material to be directed between the shoe and the said cutting edge to be severed by the latter, the said shoe like member being adapted to be moved to expose the entire cutting edge of the cutter and while the said member and cutter are connected.

7. In combination a cutter, and a shoe like member pivotally connected with the cutter to extend over the cutting edge and adapted to be moved about its pivot to expose the active edge of the cutter, the front edge of the said member being shaped to direct the material to be cut between the shoe and cutting edge of the cutter to be severed by the latter,

said member having an opening through which particles may be directed during the cutting operation.

8. In combination a cutter, a shoe like member connected with the cutter to extend over the cutting edge, the front edge of the said member being shaped to direct the material to be cut between the shoe and cutting edge of the cutter to be severed by the latter, said member having an opening through which particles may be directed during the cutting operation, and a deflector adjacent the opening.

9. A device of the character described embodying two pivotally connected members, and means for securing one of the members to a cutter, the other member being of a shoe like formation adapted to be positioned adjacent the cutting edge of the cutter to co-operate therewith to hold an article against the said edge to be severed thereby when the cutter is moved therealong and to be moved into a position to expose the entire edge of the cutter.

10. A device of the character described embodying two pivotally connected members, means for securing one of the members to a cutter, the other member being of a shoe like formation adapted to be positioned adjacent the cutting edge of the cutter to co-operate therewith to hold an article against the said edge to be severed thereby when the cutter is moved therealong, and means for yieldingly holding the said shoe like member against movement with respect to the said cutter.

11. A device of the character described embodying two pivotally connected members, means for securing one of the members to a cutter, the other member being of a shoe like formation adapted to be positioned adjacent the cutting edge of the cutter to co-operate therewith to hold an article against the said edge to be severed thereby when the cutter is moved therealong, and interlocking portions on the said members for yieldingly holding the said shoe like member against movement with respect to the cutter.

12. A device of the character described embodying two pivotally connected members, and means for securing one of the members to a cutter, the other member being of a shoe like formation adapted to be positioned adjacent the cutting edge of the cutter to co-operate therewith to hold an article against the said edge to be severed thereby when the cutter is moved therealong, there being an opening in the shoe like member through which particles may be discharged during the cutting operation.

13. A device of the character described embodying two pivotally connected members, means for securing one of the members to a cutter, the other member being of a shoe

like formation adapted to be positioned adjacent the cutting edge of the cutter to cooperate therewith to hold an article against the said edge to be severed thereby when the cutter is moved therealong, there being an opening in the shoe like member through which particles may be discharged during the cutting operation, and a deflector adjacent the said opening.

14. A device of the character described embodying a substantially U shaped member adapted to be clamped over one edge of a cutter, a shoe like member pivotally connected to the first said member and being opposed thereto, said shoe like member being adapted to be positioned over the cutting edge of the cutter, and means for yieldingly restraining the shoe like member against movement about its pivot.

15. A device of the character described embodying a substantially U shaped member adapted to be clamped over the one edge of a cutter, a shoe like member pivotally connected to the first said member and being opposed thereto, said shoe like member being adapted to be positioned over the cutting edge of the cutter, and yielding spaced jaws on one of the members and between which jaws a portion of the other member is adapted to project for yieldingly restraining the shoe like member against movement about its pivot.

16. A device of the character described embodying a substantially U shaped member adapted to be clamped over the one edge of a cutter, a shoe like member pivotally connected to the first said member and being opposed thereto, said shoe like member being adapted to be positioned over the cutting edge of the cutter, and yielding spaced jaws on one of the members and between which jaws a portion of the other member

is adapted to project for yieldingly restraining the shoe like member against movement about its pivot, there being an opening in the shoe like member through which particles may be discharged during the cutting operation.

17. A device of the character described embodying a substantially U shaped member adapted to be clamped over the one edge of a cutter, a shoe like member pivotally connected to the first said member and being opposed thereto, said shoe like member being adapted to be positioned over the cutting edge of the cutter, yielding spaced jaws on one of the members, and between which jaws a portion of the other member is adapted to project for yieldingly restraining the shoe like member against movement about its pivot, there being an opening in the shoe like member through which particles may be discharged during the cutting operation, and a deflector adjacent said opening.

18. A device of the character described embodying a substantially U shaped member adapted to be clamped over the one edge of a cutter, a shoe like member pivotally connected to the first said member and being opposed thereto, said shoe like member being adapted to be positioned over the cutting edge of the cutter, and means for yieldingly restraining the shoe like member against movement about its pivot, the forward extremity of the said shoe like member being spaced from the cutting edge of the cutter for directing the material between the shoe like member and the said cutting edge.

In testimony whereof I have signed my name to this specification, on this 31st day of May, A. D. 1923.

JOHAN ENHOLDT.