

(Model.)

S. RUE.

TRIMMER OR SHEARS.

No. 359,890.

Patented Mar. 22, 1887.

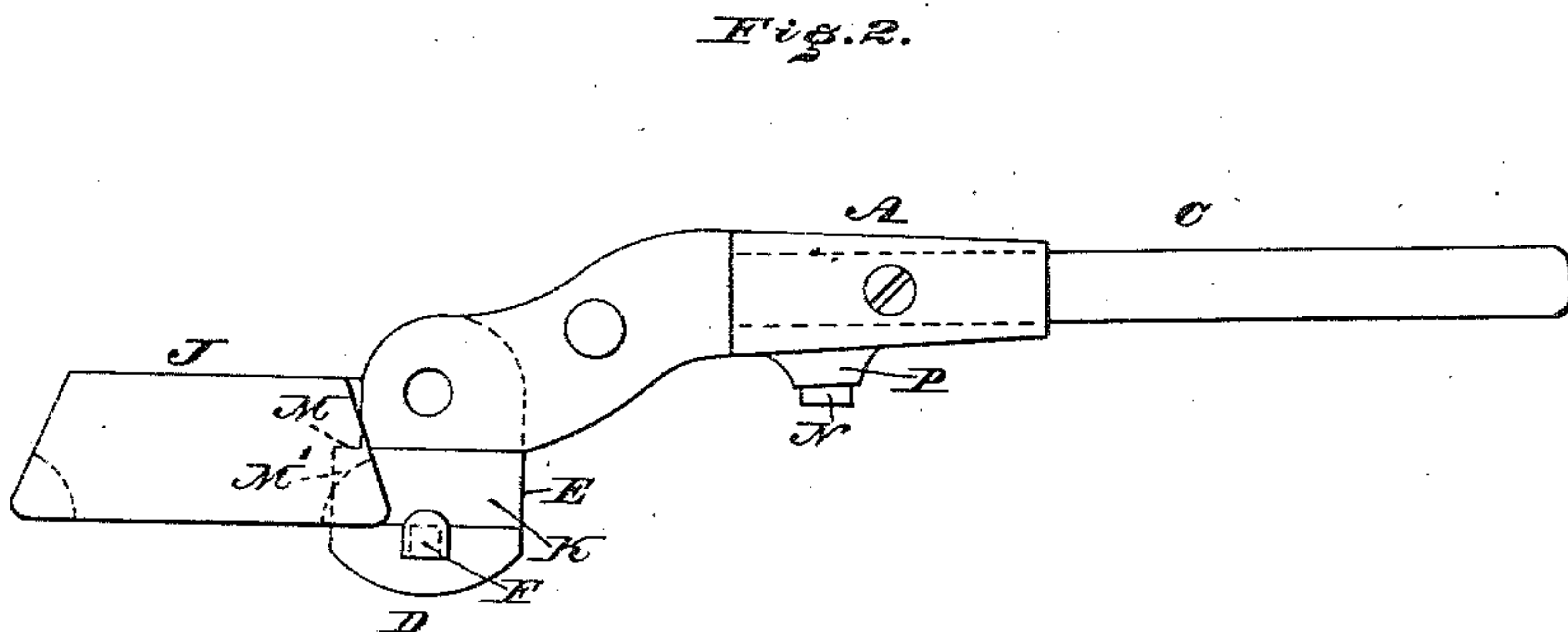
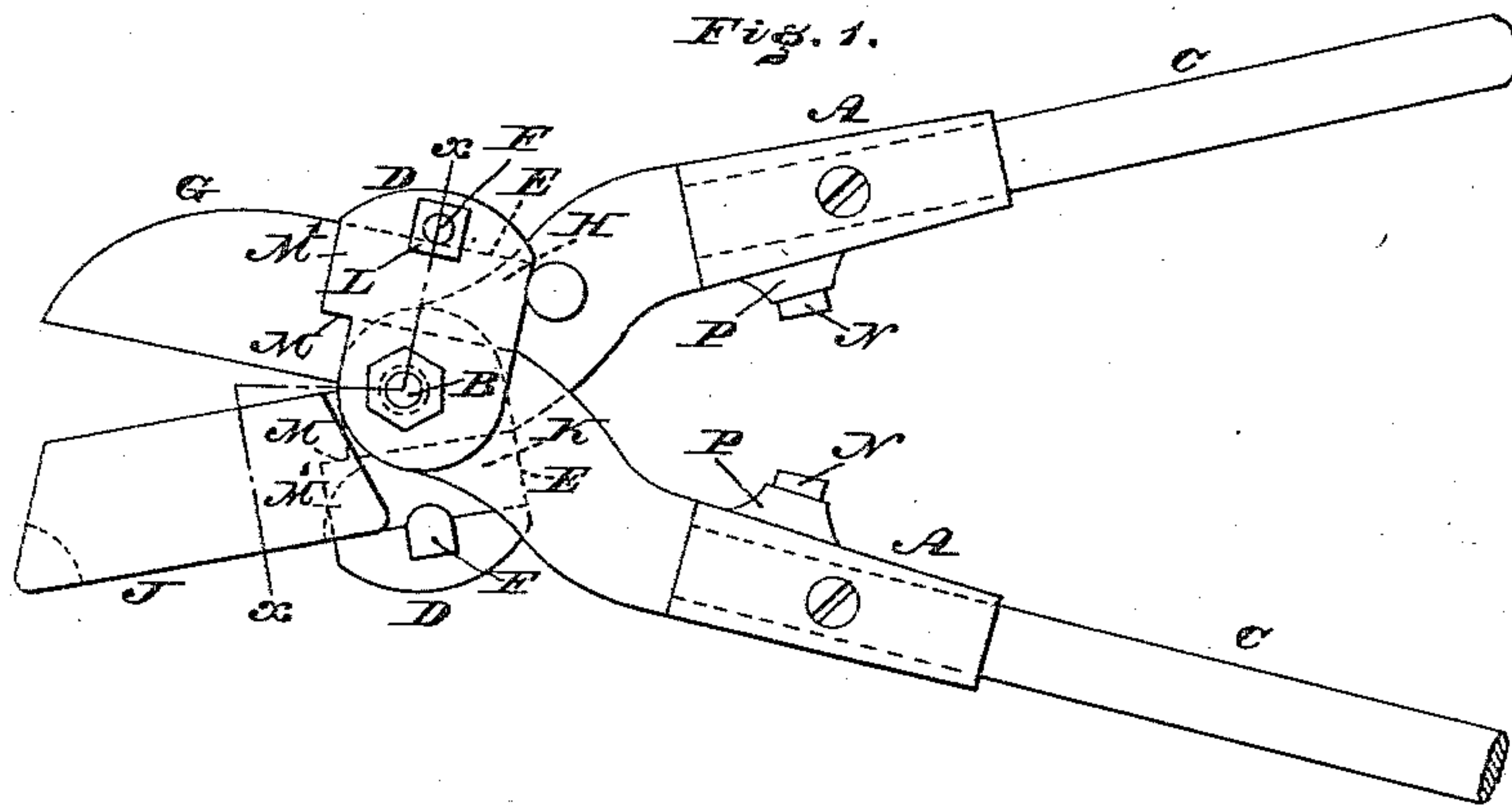


Fig. 3.

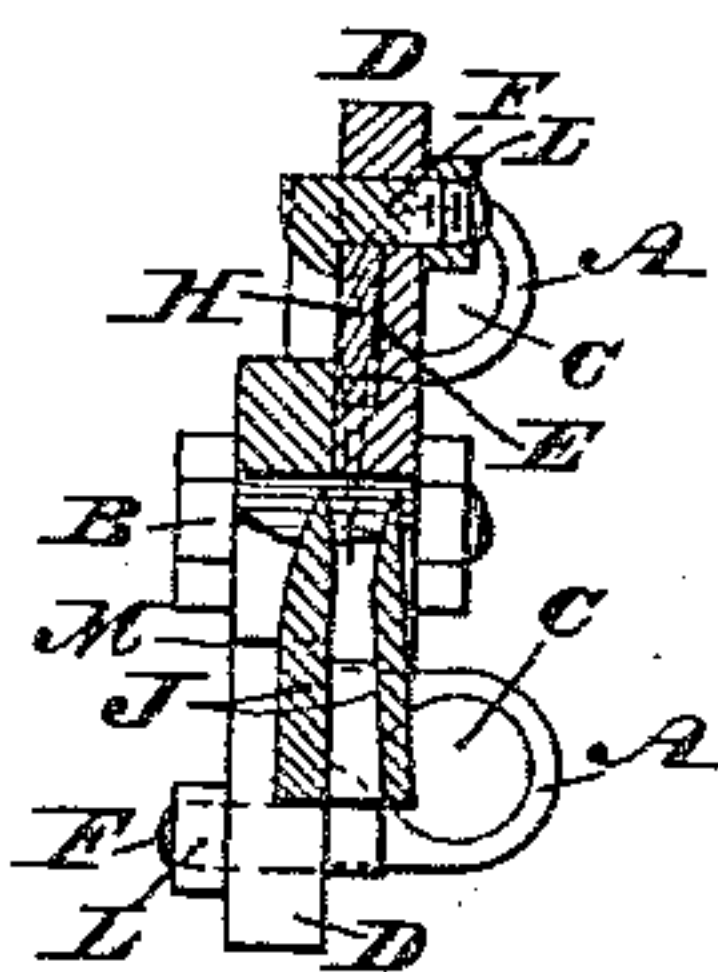
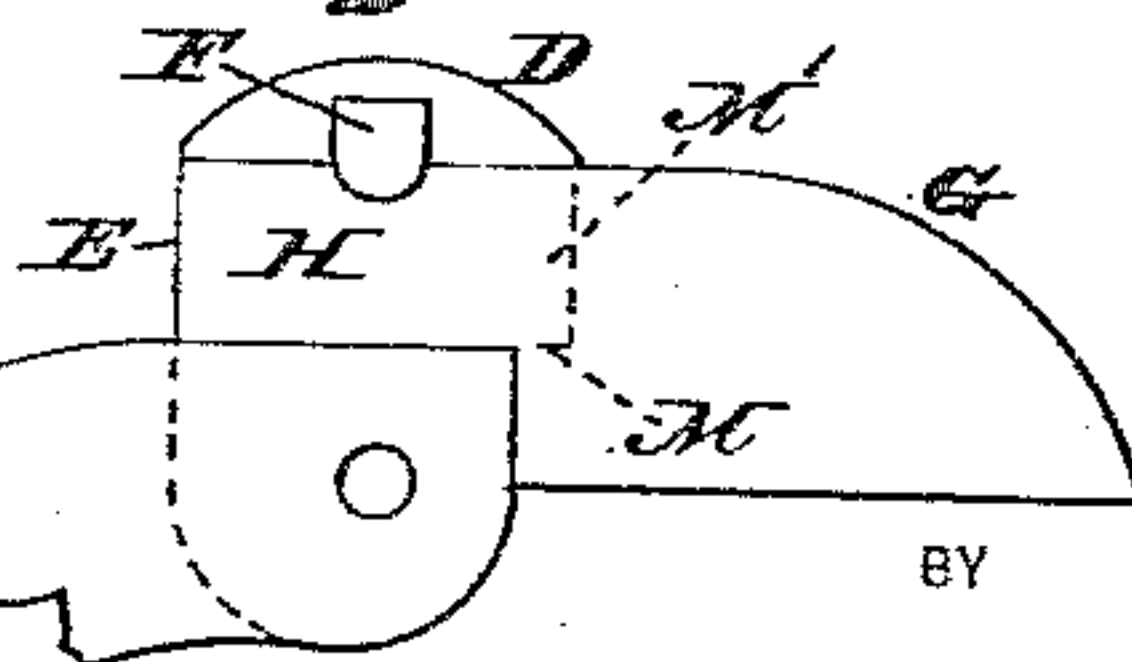


Fig. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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RUE, OF SAME PLACE.

## TRIMMER OR SHEARS.

SPECIFICATION forming part of Letters Patent No. 359,890, dated March 22, 1887.

Application filed June 25, 1886. Serial No. 206,276. (Model.)

*To all whom it may concern:*

Be it known that I, SAMUEL RUE, a citizen of the United States, residing at Ercildoun, in the county of Chester and State of Pennsylvania, have invented a new and useful Improvement in Trimmers or Shears, which improvement is fully set forth in the following specification and accompanying drawings, in which—

10 Figure 1 represents a side elevation of a trimmer or shears embodying my invention. Fig. 2 represents a side elevation of one portion thereof. Fig. 3 represents a section in line *x x*, Fig. 1. Fig. 4 represents a side ele-  
15 vation of a detached portion.

Similar letters of reference indicate corresponding parts in the several figures.

My invention relates to a trimmer or shears for hedges, &c., provided with removable blades  
20 or knives, and constructed strong and durable, and possessing other advantages, as will be hereinafter fully set forth.

Referring to the drawings, A represents two arms, which are pivoted together by the bolt  
25 B, and each provided with a handle, C.

At or about the pivotal portions of the arms are heads D, which are cast with or otherwise firmly secured to said arms, and each provided with a longitudinally-extending recess, E, and  
30 adjacent thereto with a bolt, F.

G represents a blade or knife, which is formed with a shank or tang, H; and J represents a guard or bed-knife, which is formed with a tang, K, the tangs H K being fitted, respectively, in the recesses E of the heads D. The heads of the bolts F overlap the tangs H K, and when said bolts are tightened by the nuts L said bolts firmly clamp the blade and bed-knife in position on the heads D and  
40 prevent displacement thereof. By this provision the blade and bed-knife may be readily applied to the heads, securely retained thereon, and easily removed when broken or dull. For the latter purpose the nuts L are unscrewed, and the heads of the bolts lose their holding power on the tangs of the blade and bed-knife, so that the latter may be withdrawn from the heads D.

The bed-knife is formed of two blades or  
50 plates secured together at their fronts and

backs, or formed in one piece, and sufficiently separated to permit the blade G to enter the same during the cutting operation, the space between the plates being the widest opposite to the place of entrance of the blade G, so  
55 that should pieces of wood, hedge, &c., enter said space they will drop through the bed-knife, and the latter thus clear itself of possible obstructions.

The front portions of the heads D are formed  
60 with shoulders M, which are located near the axial or pivotal bolt B of the implement. By this provision the inner ends of the cutting-edges of the knife and guard or bed-knife are formed as closely as possible to the pivotal  
65 bolt B, whereby when the knives are separated the material to be cut may be inserted between the same nearer the bolt, and thus there is a gain of power in operating the implement, and the forwardly-extending portion  
70 M' of said heads provides enlarged supports for the knife and guard, preventing the latter from breaking at the shoulders formed by the tangs should they be subjected to rough usage or strain.

N represents rubber or other elastic buffers, which are fitted in sockets P, the latter being connected with the handles C, said buffers facing each other and abutting when the handles are closed, thus preventing jarring of and  
80 injury to the implement, especially during heavy work.

When the bed-knife or guard J is formed in one piece, it may be cast integral with its supporting-head D.  
85

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

1. A trimmer or shears having a bed-knife composed of two blades secured at their fronts  
90 and backs, the blades being wider apart at their bottom than at their upper parts, all substantially as described.

2. A trimmer or shears composed of pivoted handle having heads with recesses, a removable cutting-blade, a removable bed-  
95 knife, and fastening-bolts, said bed-knife being formed of two blades separate from each other and fastened together at their fronts and backs, said cutting-blade and bed-knife  
100

being fitted in the recesses of the heads and secured by said bolts, all substantially as described.

3. A trimmer or shears composed of the  
5 pivoted handles A, having recessed heads D, with shoulders M, the blade G, and bed-knife J, all of said parts being combined and ar-

ranged substantially as and for the purpose set forth.

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Witnesses:

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