

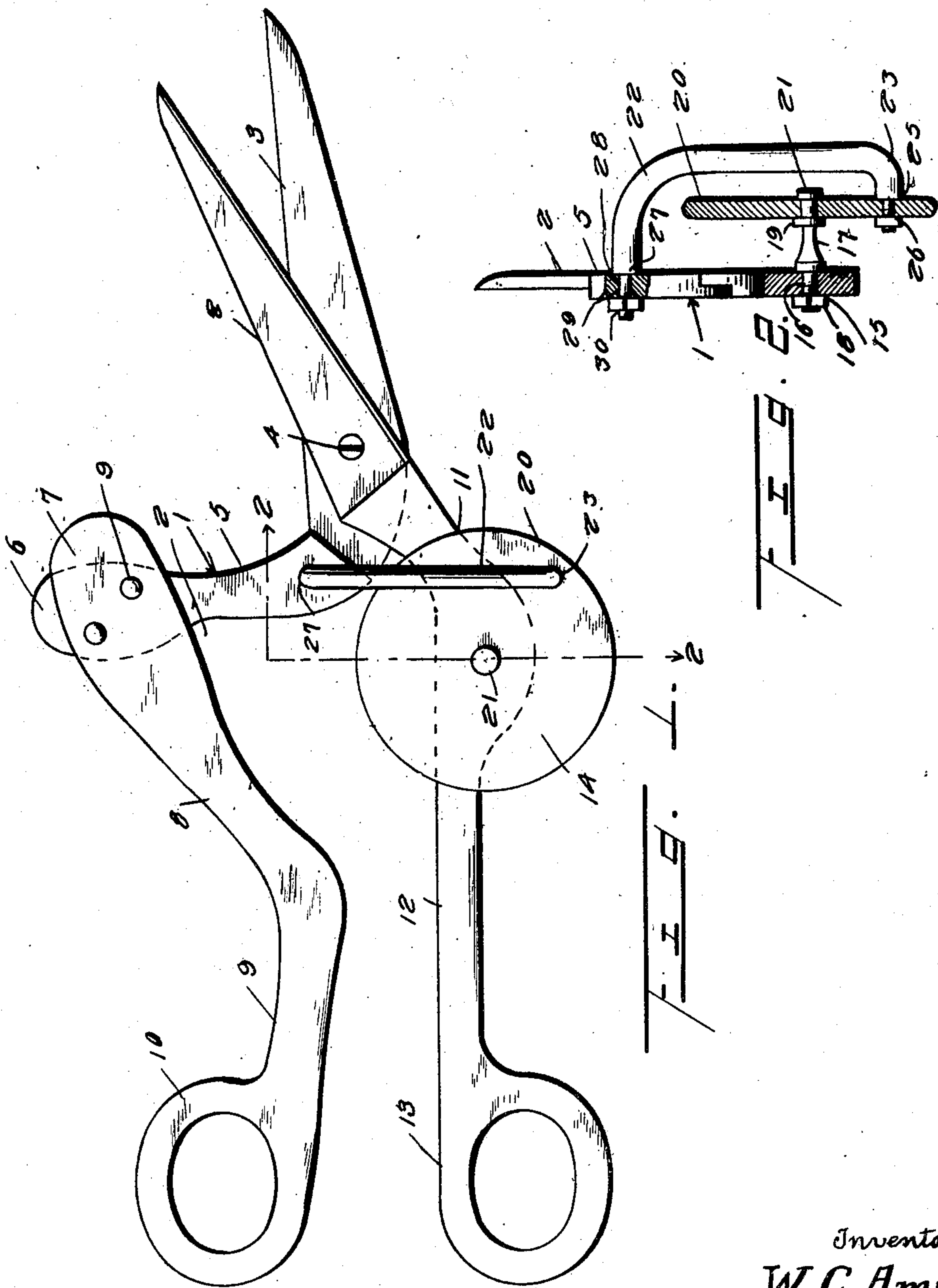
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W. C. AMY

SCISSORS


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Inventa
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SCISSORS.

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To all whom it may concern:

Be it known that I, WALTER C. AMY, a subject of King of Great Britain, residing at Pilgrims Rest, Transvaal, South Africa, have invented certain new and useful Improvements in Scissors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to scissors and the primary object of the invention is to provide an improved pair of scissors, which can be readily and easily operated, so as to facilitate the cutting of any article and thereby eliminate the manual labor associated therewith.

A further object of the invention is to provide an improved pair of scissors, which is so constructed that as the same is forced over the surface the blades will be automatically moved into and out of cutting position, whereby an article may be readily and easily severed.

A further object of the invention is to provide an improved pair of scissors having means operatively connecting the blades together, and means carried by one of the blades for engaging the surface so that the blades will be automatically operated during the cutting operation.

A still further object of the invention is to provide an improved pair of scissors of the above character, which is durable and efficient in use, one that is simple and easy to manufacture, and one that can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, forming a part thereof, in which:

Figure 1 is a side elevation of the improved scissors.

Figure 2 is a section taken on the line 2—2 of Figure 1.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the numeral 1 generally indicates the improved scissors which includes the blades 2 and 3, which are pivotally connected together in the ordinary or any preferred manner, as at 4. The blade 3 is pro-

vided with an upwardly extending angular extension 5, the upper end of which is enlarged as at 6 to receive the inner enlarged end 7 of a handle 8 which is detachably connected thereto by bolts 9 or the like. The handle 8 is inclined downwardly from the enlarged portion 6 and then rearwardly as at 9 and is provided with a loop 10, whereby the fingers of the user may be readily inserted in the same. The blade 2 is provided with a downwardly extending extension 11, which has formed thereon the rearwardly extending arm 12, the rear end of which is provided with finger loops 13. The arm 12 adjacent to the extension 11 is enlarged as at 14 and is provided with an aperture 15 in which is inserted the reduced end 16 of a shaft or axle 17. The reduced end 16 is threaded and receives a neck 18 which holds the same in position on the blade against lateral movement. The opposite end of the axle is provided with an annular shoulder 19 and a wheel 20 is adapted to be rotatably mounted on the axle and engages the annular shoulder and prevents further inward movement of the wheel. This end of the axle is likewise threaded and fitted with a nut 21, which holds the same against movement. A connecting rod 22 has the lower end thereof bent inwardly as at 23 and provided with a reduced threaded portion 24, which is rotatably positioned in an aperture 25 formed eccentrically of the wheel. A nut 26 is fitted on the end and holds the rod 22 eccentrically on the wheel. The upper end of the rod is provided with an inwardly extending angular terminal 27, which is reduced as at 28 and rotatably mounted in a recess 29 formed in the angular portion 5 of the blade 3. The terminal of the reduced portion is threaded and a nut 30 is fitted upon the same, which holds the link in position.

It can thus be seen that when the scissors is placed upon a plane surface and forced over the same, the wheel will be rotated and thus through the medium of connecting rod 22, the blade 3 will be effectively operated and thus cut the material desired to be severed. The handle 8 of course can be removed from the extension 5, when the scissors is used in this manner.

When it is desired to use the scissors in the ordinary manner, the handle 8 is bolted to the extension 5 and the wheel 20 and the

connecting rod 22 is removed, which allows the scissors to be operated in the ordinary manner.

From the foregoing description it can be seen that an improved pair of scissors is provided, which is so constructed that the same can be operated without the usual manual labor associated with the operation of a pair of scissors.

10 In practice, I have found that the form of my invention illustrated in the accompanying drawings and referred to in the above description, as the preferred embodiment, is the most efficient and practical; yet realizing the conditions concurrent with the adoption of my device will necessarily vary, I desire to emphasize that various minor changes in details of construction, proportion and arrangement of parts may be resorted to, when required without sacrificing any of the advantages of my invention as set forth.

What I claim as new is:

25 1. Shears having relatively movable blades, a traction member disposed at one side thereof, a pitman for disposition at the side of said member opposite to said blades, said pitman having laterally extending portions differing in length, each of said portions having studs, the stud of one of said portions pivotally extending through said traction member, the stud of the other portion pivotally extending through one of said blades, shoulders at the junction of said

studs with said portions to abut one side of said traction member and adjacent blade, nuts on said studs engaging the opposite sides of said traction member and blades, and the longer of said portions extending across the marginal edge of said traction member.

2. Shears having an upper relatively stationary blade, a traction wheel carried by said stationary blade, a lower blade movable with respect to said relatively stationary blade, and a link connection for said traction wheel and relatively stationary blade extending from said traction wheel across and above said relatively stationary blade.

3. Shears having an upper relatively stationary blade, a handle arm from which the blade extends upwardly, a traction wheel pivoted to said arm, a lower blade pivoted to said blade provided with an upward angular extension at its rear end, a handle arm extending from said extension to coact with the first mentioned handle arm, and a link connection for said traction wheel and extension extending from said traction wheel across and above the stationary blade to said extension.

In testimony whereof I affix my signature in presence of two witnesses.

WALTER C. AMY.

Witnesses:

C. CHAITON,
B. DREDZEN.