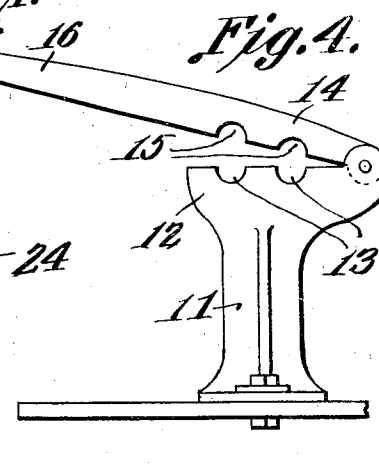
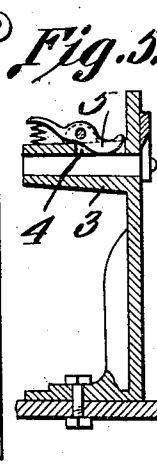
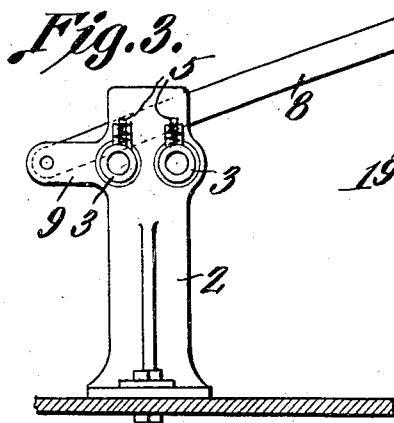
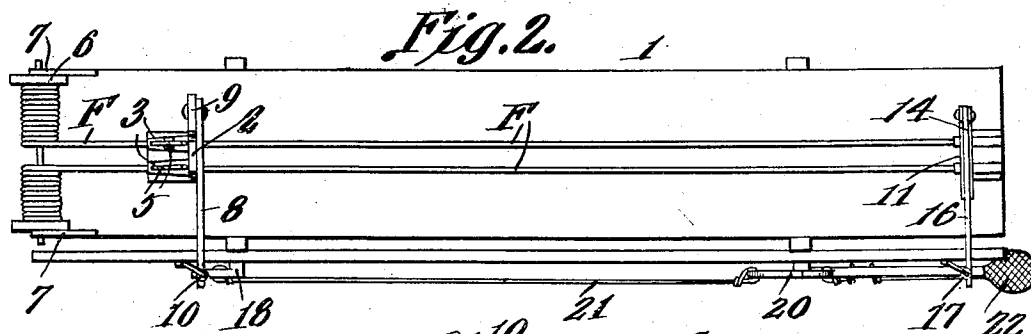
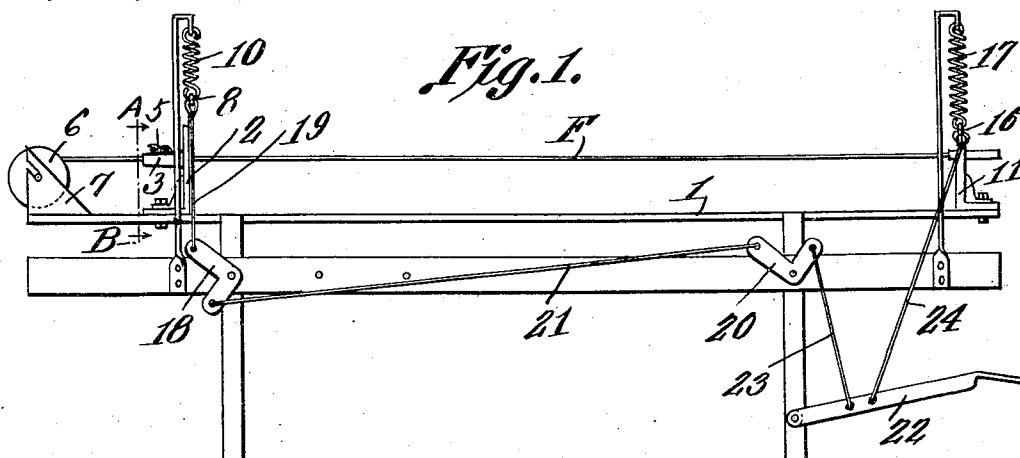


F. R. ANDERSON.
MACHINE FOR CUTTING FUSES AND CRIMPING CAPS THEREON.
APPLICATION FILED JULY 19, 1912.

1,051,853.

Patented Feb. 4, 1913.



Witnesses

R. F. Peacock
R. F. Peacock

Frank R. Anderson,
Inventor

by

C. A. Snow & Co.
Attorneys

UNITED STATES PATENT OFFICE.

FRANK R. ANDERSON, OF ANACONDA, COLORADO.

MACHINE FOR CUTTING FUSES AND CRIMPING CAPS THEREON.

1,051,853.

Specification of Letters Patent.

Patented Feb. 4, 1913.

Application filed July 19, 1912. Serial No. 710,523.

To all whom it may concern:

Be it known that I, FRANK R. ANDERSON, a citizen of the United States, residing at Anaconda, in the county of Teller and State of Colorado, have invented a new and useful Machine for Cutting Fuses and Crimping Caps Thereon, of which the following is a specification.

This invention relates to machines for cutting fuses and for crimping caps thereon, one of its objects being to provide a simple and compact machine of this character which can, in one operation, sever one or more fuses and, at the same time, crimp on the fuses caps which have been previously placed thereon.

Another object is to provide a machine of this character formed of but few parts and which will not, therefore, easily get out of order.

With the foregoing and other object in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—Figure 1 is a front elevation of the machine. Fig. 2 is a plan view thereof. Fig. 3 is an enlarged section on line A—B Fig. 1. Fig. 4 is an end elevation of the cap crimper. Fig. 5 is a vertical longitudinal section through one of the thimbles and its support.

Referring to the figures by characters of reference 1 designates a table having a standard 2 mounted thereon and from which extend thimbles or guide sleeves 3 arranged side by side. Each of these sleeves has an opening 4 in the wall thereof through which projects a spring pressed dog 5. A reel 6 is supported between brackets 7 at one end of the table and is designed to carry fuses such as shown at F. A blade 8 is pivotally connected to an arm 9 extending laterally from the standard 2 and constitutes cutting means, this blade being supported close to one face of the standard 2 and being yieldingly supported at one end by a coiled spring 10 or

the like. Mounted on the table 1 near its other end is a standard 11 having a fixed jaw or head 12 formed with semi-cylindrical notches 13 in its upper face. A jaw 14 is pivotally connected to the head 12 and has semi-cylindrical notches 15 in its lower face designed to register with the notches 13. An arm 16 extends from the jaw and is yieldingly supported by a spring 17.

A bell crank lever 18 is pivotally mounted upon the front of the table and is connected by a cord, rod, or other suitable connection 19 to the spring supported end of the blade 8. Another bell crank 20 is mounted on the front of the table and is connected to the lever 18 by means of a rod 21 or the like. A foot lever 22 is pivotally connected to the table and has a connection through a rod 23 or the like with the lever 20 and another connection, through a rod 24 or the like with the arm 16.

In using the apparatus, the fuses to be cut and capped are unwound from the reel 6 and inserted through the sleeves or thimbles 3 and drawn longitudinally so as to rest in the recesses 13. Caps are placed upon the free ends of the fuses so as to lie within the recesses 13. The foot lever 22 is then depressed and the connections will cause blade 8 to swing downwardly and cut off the fuses while, at the same time, jaw 14 will be moved downwardly and will crimp the caps upon the fuses. Dogs 5 will prevent the fuses from pulling rearwardly out of the sleeves or thimbles 3. After the fuses have been cut and capped in the manner described, the ends thereof which are held in the sleeves or thimbles 3 can be pulled toward the standard 1 and placed in the recesses 13 after which the operation hereinbefore described can be repeated. It is to be understood of course that any desired number of fuses can be acted on at the same time, it merely being necessary to provide as many guide sleeves or thimbles 3 and notches 13 and 15 as are necessary.

What is claimed is:—

1. A machine of the class described including a guide, a fixed jaw having a fuse and cap receiving recess alining with the guide, means for yieldingly engaging the fuse to hold it against withdrawal from the guide, a cutting blade adjacent the guide, a movable jaw, separate yielding means for supporting the blade and movable jaw re-

spectively, and means for simultaneously shifting the blade and jaw to shear the fuse and to crimp a cap upon the fuse.

2. A machine of the class described including a guide sleeve, a fixed jaw having a fuse and cap receiving recess alining with the sleeve, means carried by the sleeve for yieldingly engaging the fuse, a cutting blade pivotally mounted adjacent the sleeve, a movable jaw, separate yielding means for supporting the blade and movable jaw respectively, and means for simultaneously shifting the blade and jaw to shear the fuse and to crimp a cap upon the fuse.
3. Apparatus of the class described including a guide sleeve, means carried thereby for engaging a fuse yieldingly to hold it

against withdrawal from the sleeve, a cutting blade adjacent the sleeve, a fixed jaw having a cap receiving recess alining with the sleeve, a movable jaw cooperating therewith, yielding means for supporting the blade and movable jaw respectively, a lever, and separate means operated by the lever for simultaneously actuating the blade and movable jaw to cut the fuse and crimp a cap thereon.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

FRANK R. ANDERSON.

Witnesses:

JAS. A. STEWART,
G. W. CAPPIS.

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