

No. 639,777.

Patented Dec. 26, 1899.

C. B. SCHULTZ.

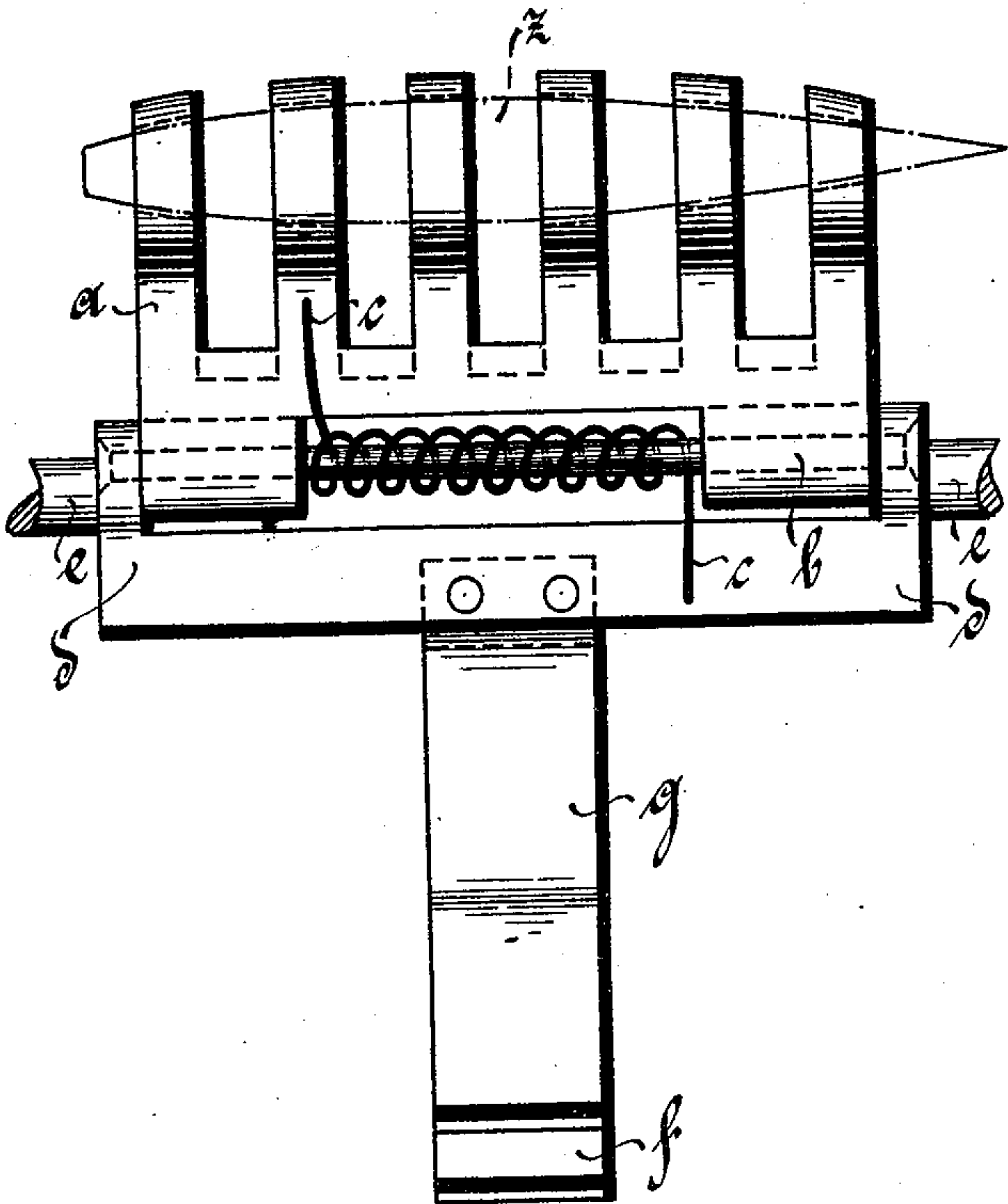
WRAPPING DEVICE FOR CIGAR ROLLING MACHINES.

(Application filed Dec. 14, 1898.)

(No Model.)

3 Sheets—Sheet 1.

Fig. 1.



WITNESSES:

W. B. Diederichsheim.
L. Rouville.

INVENTOR:

Clarence B. Schultz.
BY *W. B. Diederichsheim.*
ATTORNEY.

No. 639,777.

Patented Dec. 26, 1899.

C. B. SCHULTZ.

WRAPPING DEVICE FOR CIGAR ROLLING MACHINES.

(Application filed Dec. 14, 1896.)

(No Model.)

3 Sheets—Sheet 2.

Fig. 3.

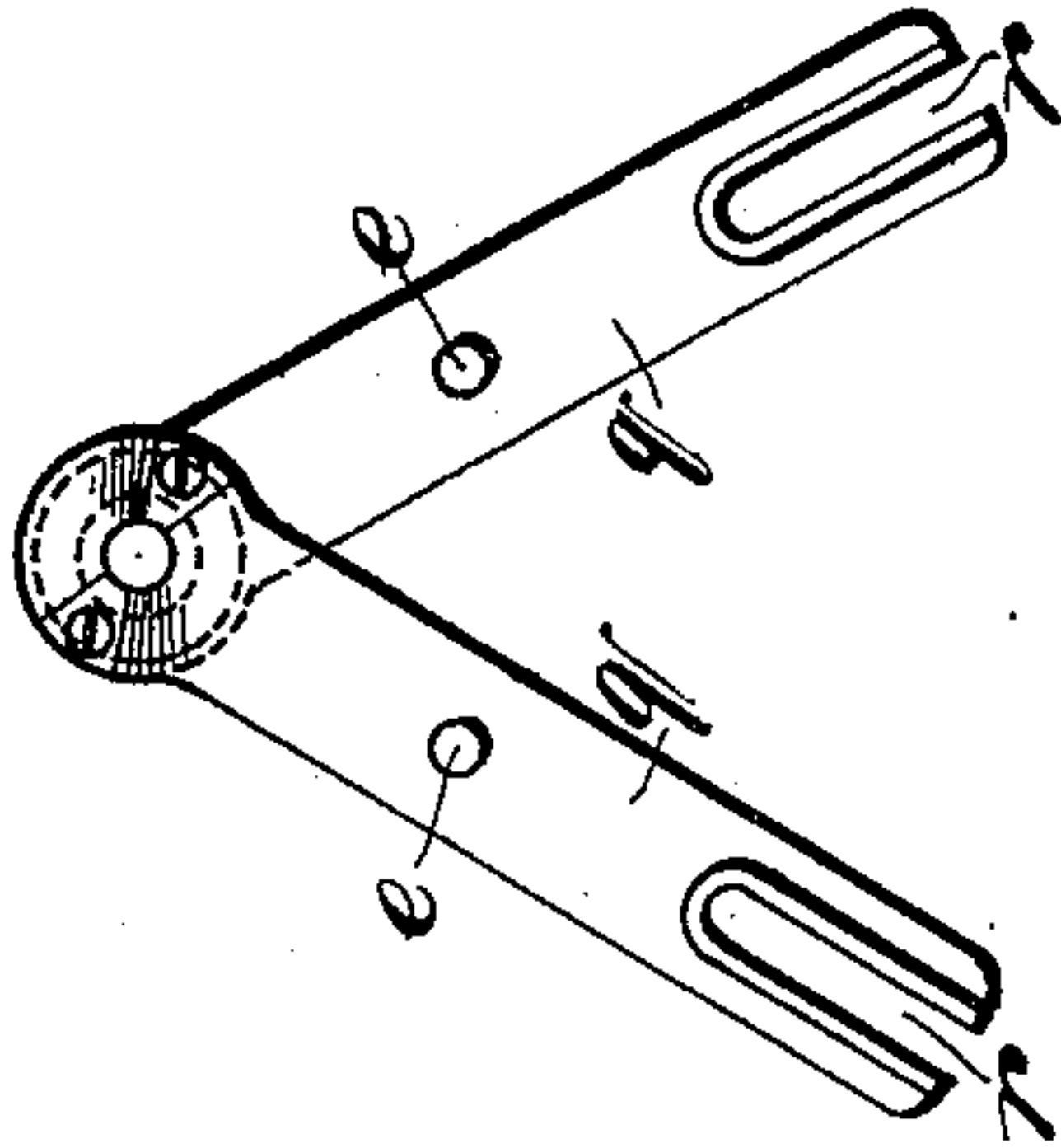
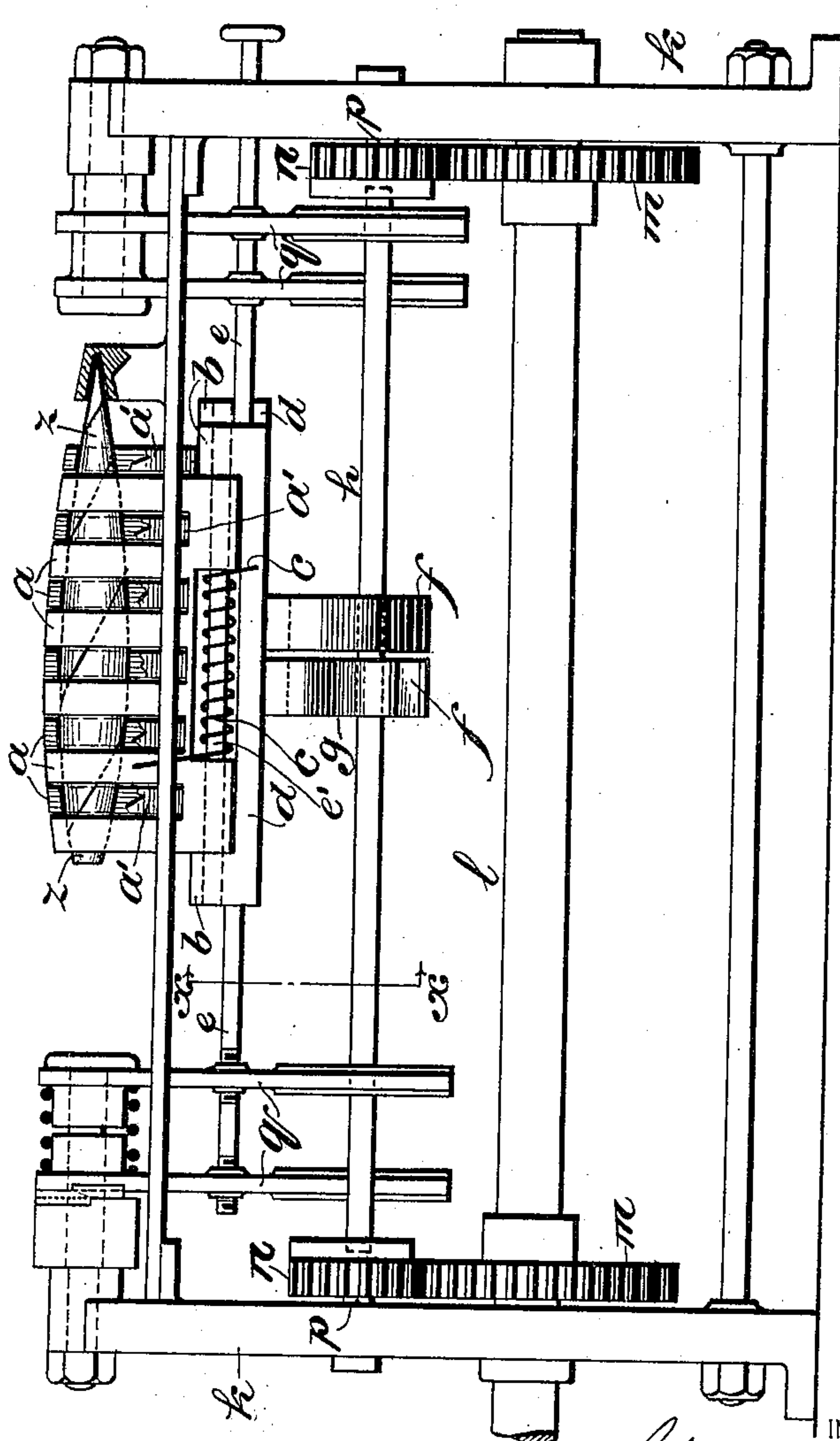


Fig. 2.



WITNESSES

L. Douville,
P. F. Chagler

INVENTOR

Clarence B. Schultz
John A. Siedersheim,
ATTORNEY.

No. 639,777.

Patented Dec. 26, 1899.

C. B. SCHULTZ.

WRAPPING DEVICE FOR CIGAR ROLLING MACHINES.

(Application filed Dec. 14, 1896.)

(No Model.)

3 Sheets—Sheet 3.

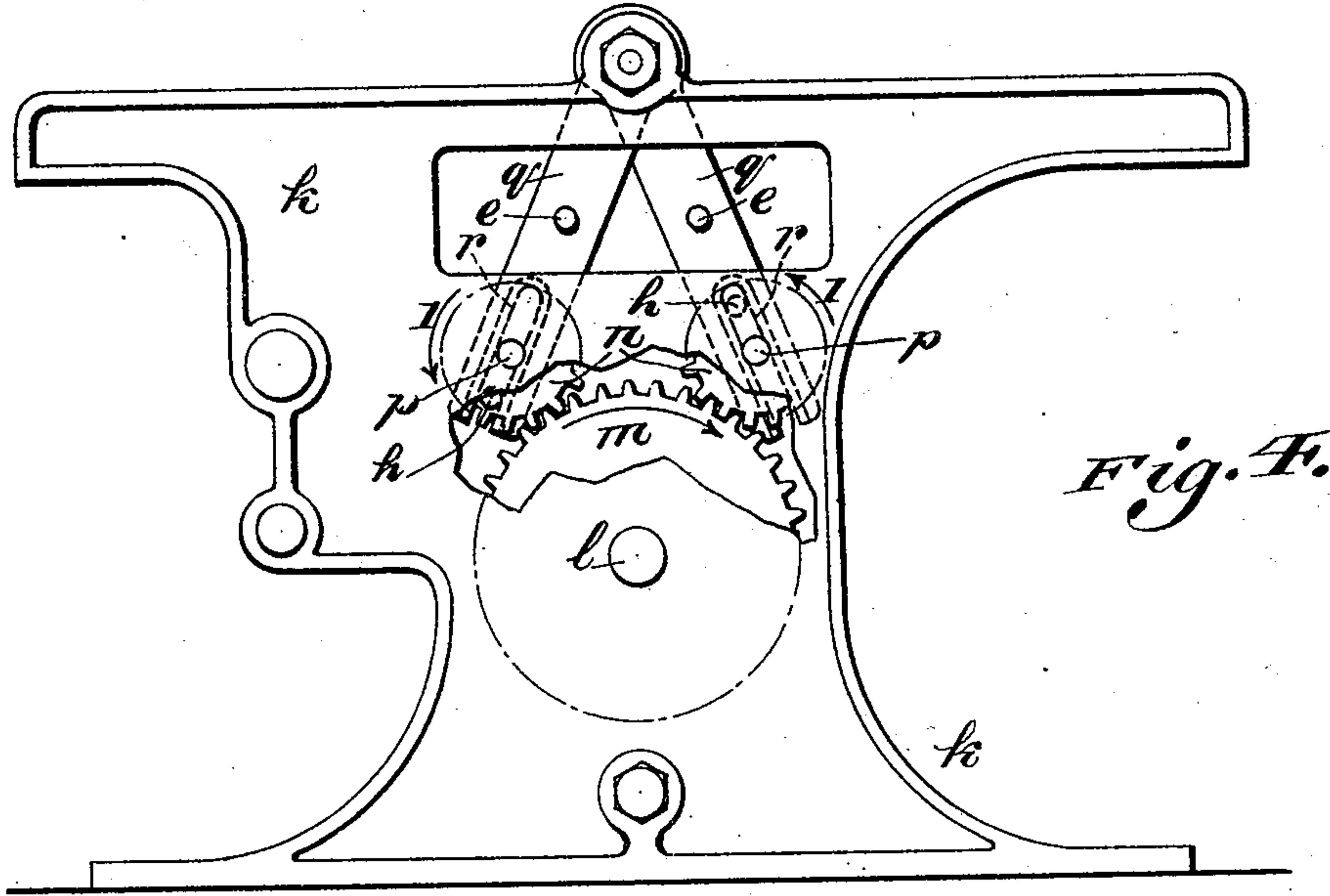
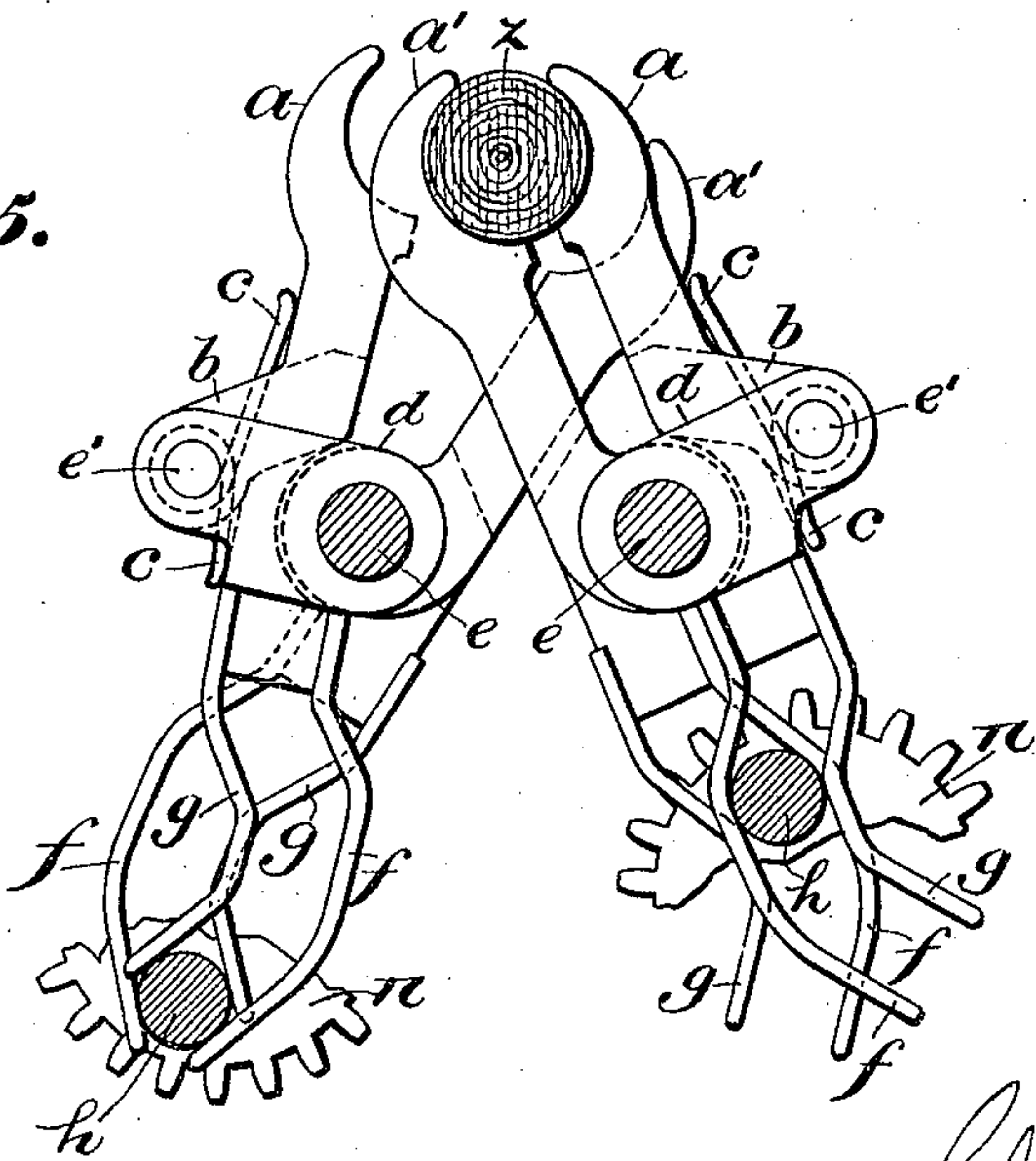


Fig. 5.



WITNESSES:

L. Howville,
P. F. Nagle.

INVENTOR
Clarence B. Schultz,
BY
John A. Wiedersheim,
ATTORNEY.

UNITED STATES PATENT OFFICE.

CLARENCE B. SCHULTZ, OF CHARLOTTENBURG, GERMANY.

WRAPPING DEVICE FOR CIGAR-ROLLING MACHINES.

SPECIFICATION forming part of Letters Patent No. 639,777, dated December 26, 1899.

Application filed December 14, 1896. Serial No. 615,588. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE B. SCHULTZ, engineer, a citizen of the United States, residing at Charlottenburg, in the Kingdom of Prussia, German Empire, have invented certain new and useful Improvements in Wrapping Devices for Cigar-Rolling Machines, (for which I have obtained Letters Patent in Belgium, No. 124,508, dated November 10, 1896; in France, No. 261,131, dated November 10, 1896; in Germany, No. 96,845, dated November 11, 1896; in Luxemburg, No. 2,653, dated November 11, 1896; in England, No. 27,179, dated November 30, 1896; in Switzerland, No. 13,515, dated November 30, 1896; in Norway, No. 5,997, dated December 3, 1896, and in Sweden, No. 8,604, dated December 10, 1896;) 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.

My invention relates to improvements in the construction of shaping or wrapping devices for cigar-rolling machines in which the bunch is rolled into the wrapper; and it consists of means whereby the noise heretofore occasioned in such devices is reduced or overcome and the cigar is prevented from being improperly compressed should an excess of filler be put into a bunch.

Figure 1 represents a side elevation of a wrapping device embodying my invention. Fig. 2 represents a side elevation of a cigar-machine provided with the wrapping device embodying my invention. Fig. 3 represents a side elevation of certain detached portions of the machine. Fig. 4 represents an end elevation of certain of the parts shown in Fig. 2. Fig. 5 represents a section, on line *x x*, Fig. 2, on an enlarged scale, of jaws employed for rotating a cigar while the same is being wrapped.

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

Referring to the drawings, *a* and *a'* designate jaws whose inner faces are recessed or shaped relatively to a cigar *z* to be received within the same, the jaws *a* being hinged or pivoted in the ears *b*, which are formed with or secured to the heads *d*, while the jaws *a'* are fixed to said heads, it being noticed that when the jaws *a* are closed they abut against

said heads, whereby the minimum diameter of the cigar to be made is established. In order to retain the jaws in such closed position, I employ the springs *c*, which are mounted on the rods *e'* and have their ends bearing against said head and jaws *d a*, it being noticed that the heads *d* receive said rods *e* and are adapted to swing thereon.

It will be seen that should the filling or stock introduced between the jaws be in excess of the amount required for a predetermined size of a cigar or the jaws are overloaded the jaws *a* will yield or separate from the other jaws, so that while the cigar will be duly pressed it will not be injured or packed to interfere with its free drawing while being smoked.

Depending from the heads *d* are the elastic or spring tongues *f g*, between which the moving rods *h* slide under a slight pressure.

Journaled in the frame *k* of the machine is a main driving-shaft *l*, which may be driven in any suitable manner and has keyed or otherwise secured thereto the spur-wheels *m*, which mesh with the pinions *n*, so as to impart motion thereto, it being noted that said pinions receive the ends of the rods *h*, so as to cause the latter to travel in a circular direction, as indicated by the arrows *l* in Fig. 4, and that said rods *h* travel around the journals *p* of the pinions *n* as an axis. The heads *d* are journaled on the rods *e*, and the latter are secured to swinging arms *q*, journaled in the frame *k* of the machine. The rods *h* pass through slots *r* in the arms *q*, as best seen in Fig. 4, so that when the pinions *n* rotate they impart a swinging motion to the arms *q*, which motion is transmitted by said arms to the jaws *a* and *a'*. The rods *h*, besides imparting a swinging motion to the arms *q*, also cause the jaws *a* and *a'* to open and close at intervals, so as to take hold of and also release a cigar *z* at the proper time during the process of wrapping the same. When a rod *h* occupies a position in the upper portions of the spaces between the spring-tongues *f* and *g*, as seen in the lower right-hand portion of Fig. 5, said rod will cause the jaws *a* and *a'* to close and hold a cigar *z* between them, a position in the lower portions of the spaces between the spring-tongues *f* and *g*, as seen in the lower left-hand por-

tion of Fig. 5, said rod will cause the jaws *a* and *a'* to open and to release its hold on a cigar *z*.

5 In a contemporaneously pending application filed by me December 14, 1896, and bearing Serial No. 615,590 I have shown and claimed certain devices which I have herein described, but to which I make no claim.

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

15 1. In a cigar-rolling machine having a pair of jaws, means for swinging and for opening and closing said jaws, one of said jaws being adapted to yield when loaded beyond primary adjustment.

2. In a cigar-rolling machine having a pair of jaws, means for swinging and for opening and closing said jaws, said jaws being carried by a head, and one of said jaws being yielding and adapted to be limited by said head in its closing actions against the other jaw. 20

3. In a cigar-rolling machine, a head having jaws thereon, and provided with elastic tongues *f*, *g*. 25

In testimony whereof I have hereunto signed my name in the presence of two witnesses.

CLARENCE B. SCHULTZ.

Witnesses:

C. H. S. SCHULTZ,
M. PALMIÉ.