

(No Model.)

2 Sheets—Sheet 1.

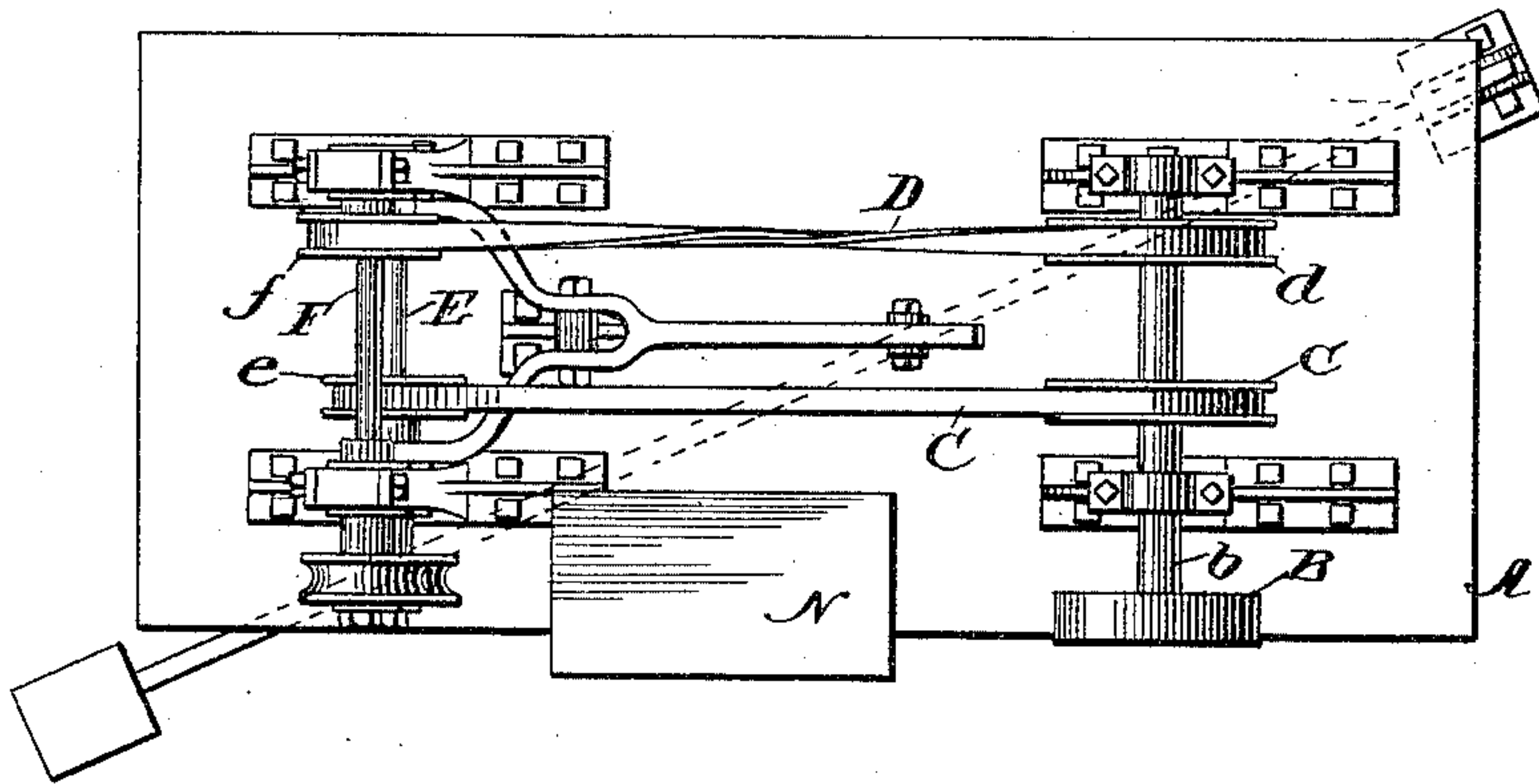
F. W. WILDER.

DEVICE FOR DRAWING SAUSAGE CASINGS UPON THE NOZZLES OF  
SAUSAGE STUFFING MACHINES.

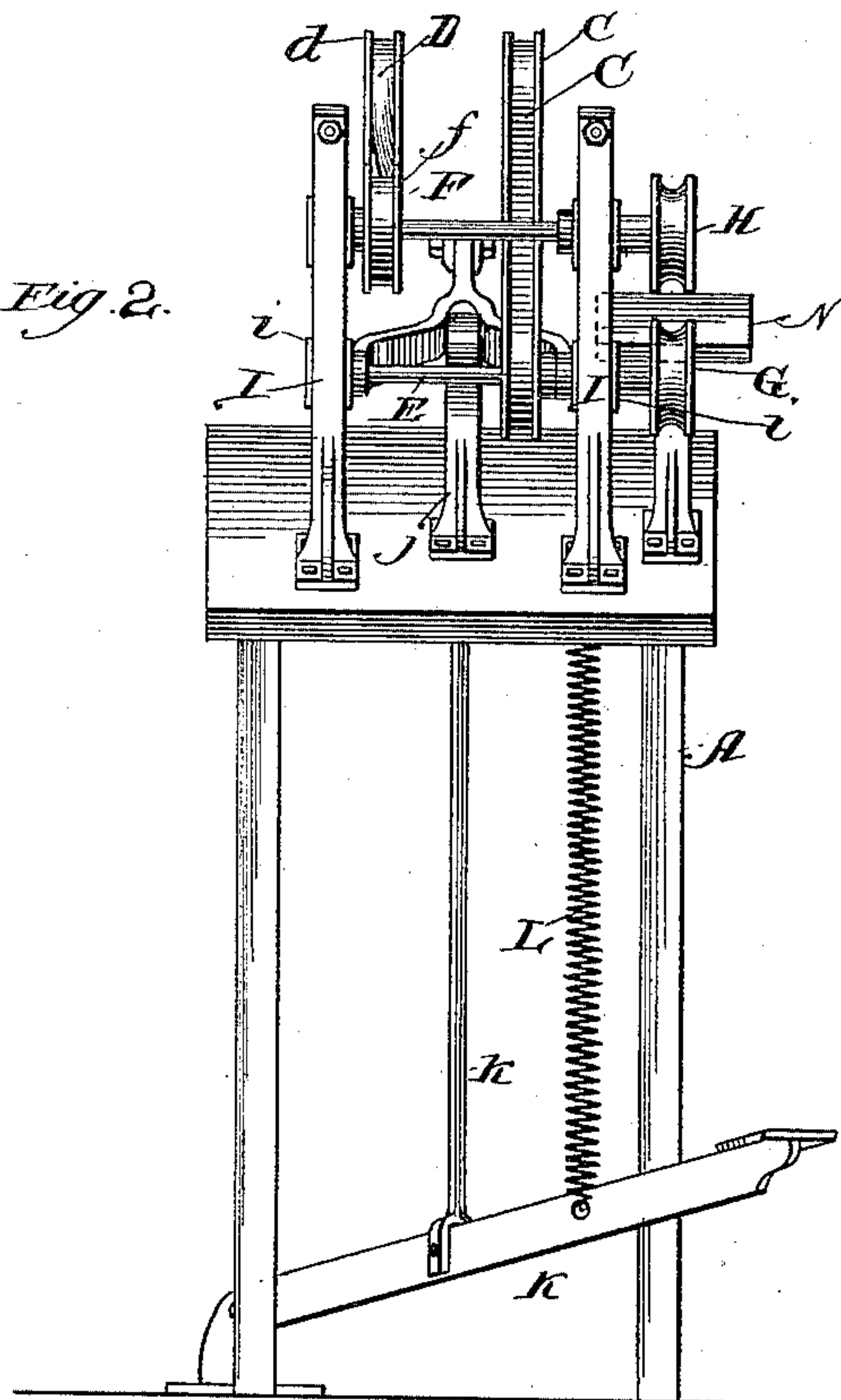
No. 432,173.

Patented July 15, 1890.

*Fig. 1.*



*Fig. 2.*



Witnesses:

John D. Jackson.  
Robert A. Millar.

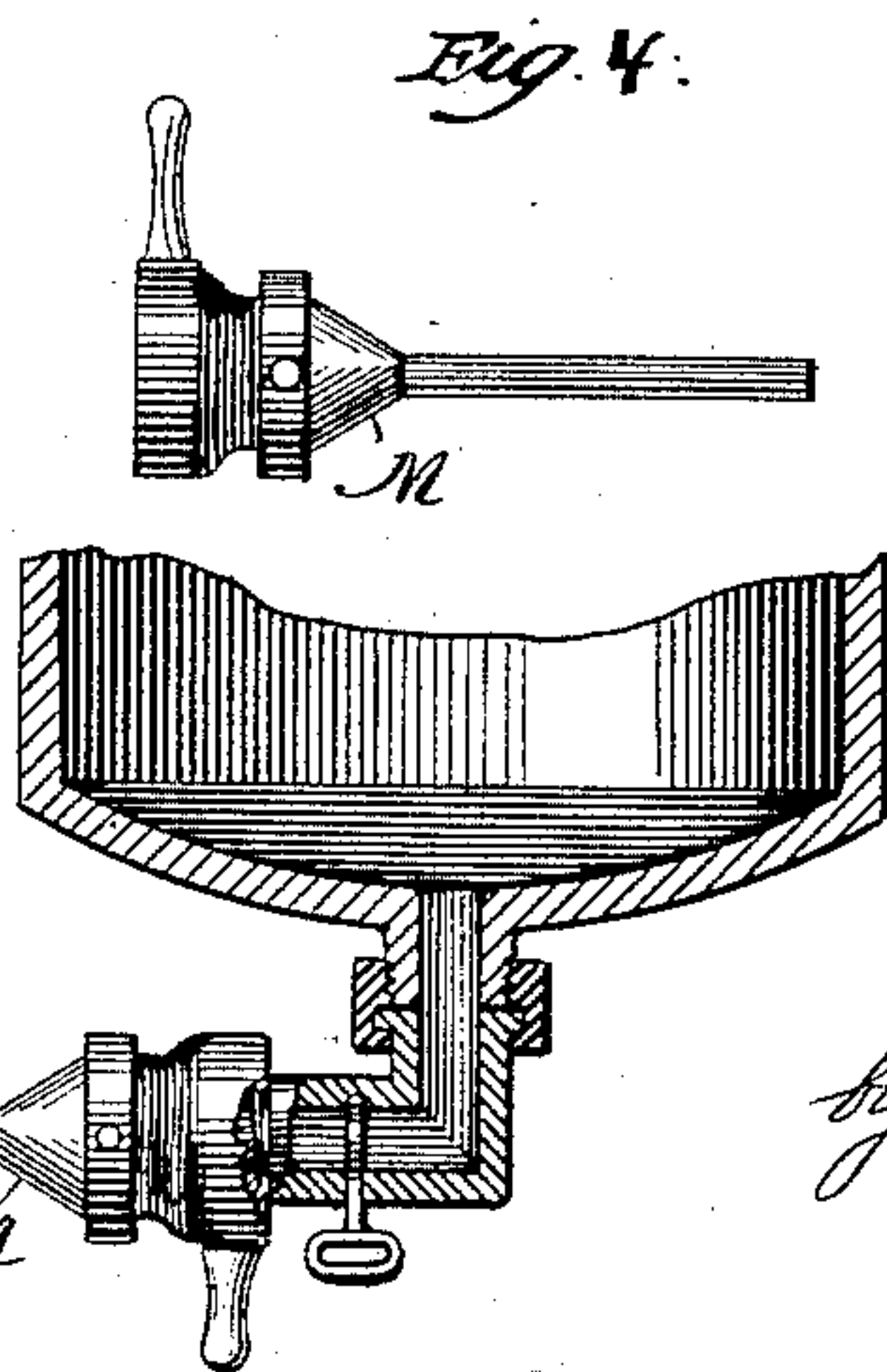
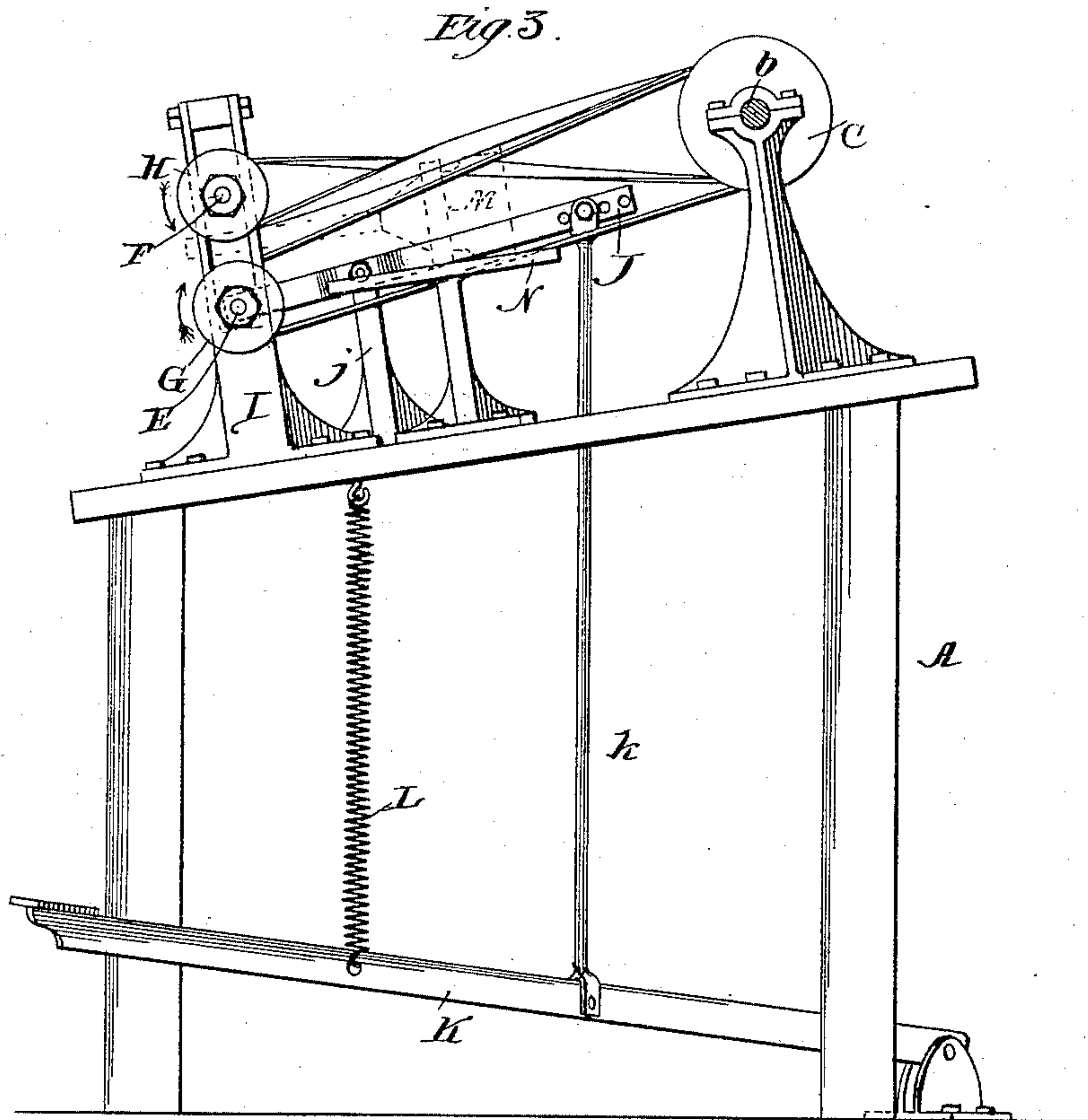
Inventor:

Fred W. Wilder  
by Bond, Adams & Jones.  
attys

F. W. WILDER.  
DEVICE FOR DRAWING SAUSAGE CASINGS UPON THE NOZZLES OF  
SAUSAGE STUFFING MACHINES.

No. 432,173.

Patented July 15, 1890.



Witnesses:  
*Jos. L. Jackson.*  
*Robert A. Miller.*

*Inventor:*  
*Fred W. Wilder.*  
*by Bond, Adams & Jones*  
*attys*



# UNITED STATES PATENT OFFICE.

FRED W. WILDER, OF CHICAGO, ILLINOIS.

DEVICE FOR DRAWING SAUSAGE-CASINGS UPON THE NOZZLES OF SAUSAGE-STUFFING MACHINES.

SPECIFICATION forming part of Letters Patent No. 432,173, dated July 15, 1890.

Application filed May 9, 1890. Serial No. 351,201. (No model.)

*To all whom it may concern:*

Be it known that I, FRED W. WILDER, residing in the city of Chicago, in the county of Cook and State of Illinois, and a citizen of the United States, have invented a new and useful Improvement in Devices for Drawing Sausage-Casings on the Nozzles of Sausage-Stuffing Machines, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a top or plan view. Fig. 2 is a front elevation. Fig. 3 is a side elevation. Fig. 4 is a detail showing the nozzle of a sausage-stuffing machine. Fig. 5 is a detail showing the detachable nozzle applied to a sausage-stuffing machine.

This device is to be used in connection with sausage-stuffing machines employing a nozzle such as that shown in Letters Patent of the United States, No. 343,077, granted to Maximilian Siereveld and Granville H. Stallman, June 1, 1886. In using such machines it has been customary for the operator to place a single casing upon the nozzle of the machine at a time. This method requires the skilled operator to place a single casing upon the nozzle before filling it, which requires considerable time.

The objects of this invention are to employ a number of detachable nozzles, and to provide a device for drawing the casings on the detached nozzles, which might be done by cheap labor, which I accomplish as illustrated in the drawings and as hereinafter described. That which I claim as new will be pointed out in the claims.

In the drawings, A represents the frame of the machine.

B is the driving-pulley, which is mounted upon the shaft *b*, supported in suitable brackets in the frame A.

C is a driving-belt, which is driven by a pulley *c*, secured upon the shaft *b*. This belt C drives a pulley *e*, secured upon the shaft E.

D is a belt, which is driven by a pulley *d*, secured upon the shaft *b*. This belt D drives a pulley *f*, secured upon a shaft F.

The shafts E and F are secured in uprights I in the front of the machine. The shaft F is secured in stationary bearings, and the shaft E is secured in bearings in the blocks

*i*, which slide in vertical guides in the uprights I.

G is a feed-wheel secured upon the shaft E.

H is a feed-wheel secured upon the shaft F. 55

J is the lever, which is fulcrumed upon a support *j*, and at its forward end pivotally connected with the shaft E or blocks *i*. At its rear end the lever J is connected by a link *k* with a foot-lever K. 60

L is a spring for returning the parts to their inoperative position.

M (see Fig. 4) is a detached nozzle. This nozzle M may be adapted to be attached to any form of sausage-machine. 65

The feed-wheels G and H are grooved to receive the end of the nozzle M between them and rotate in the direction of the arrows indicated in Fig. 3.

N is a feed-table. 70

The operation is as follows: A number of detachable nozzles M are employed for each stuffing-machine. The operator first places one end of the casing a short distance on a nozzle M. He then places the nozzle M in the position shown by dotted lines in Fig. 3. He then presses downwardly upon the lever K, which, through the link *k* and lever J, raises the shaft E and wheel G, bringing the feed-wheels G and H into contact with the nozzle M and the end of the sausage-casing thereon. The contact of the feed-wheels G and H will feed or draw the sausage-casing upon the nozzle M very quickly. When the operator removes his foot from the lever K, the spring L will return the parts to their inoperative position. The size of the grooves or contact-faces of the feed-wheels G and H may be varied according to the size of the nozzles M and casings to be operated upon. One operator can thus place a single casing upon each nozzle and have them in readiness for the use of another person using the stuffing-machine. 85

The nozzles M may be provided with any suitable means for attaching them to the stuffing-machine. 95

What I claim as new, and desire to secure by Letters Patent, is—

1. A device for drawing sausage-casings on a nozzle for sausage-stuffing machines, comprising feed-wheels adapted to engage with 100

the end of the casing and move it onto the nozzle, and mechanism for rotating said wheel or wheels, substantially as specified.

2. In a device for drawing sausage-casings  
5 on the nozzle of sausage-stuffing machines, the combination, with a feed-wheel, of a second feed-wheel, said wheels being adapted to engage with the nozzle and casing, and mechanism for moving the second wheel toward and

from the first feed-wheel, substantially as is specified.

3. The combination, with a detached nozzle, of mechanism for drawing a sausage-casing thereon, substantially as specified.

FRED W. WILDER.

Witnesses:

H. C. GARDNER,  
J. S. BRASKHAM.