

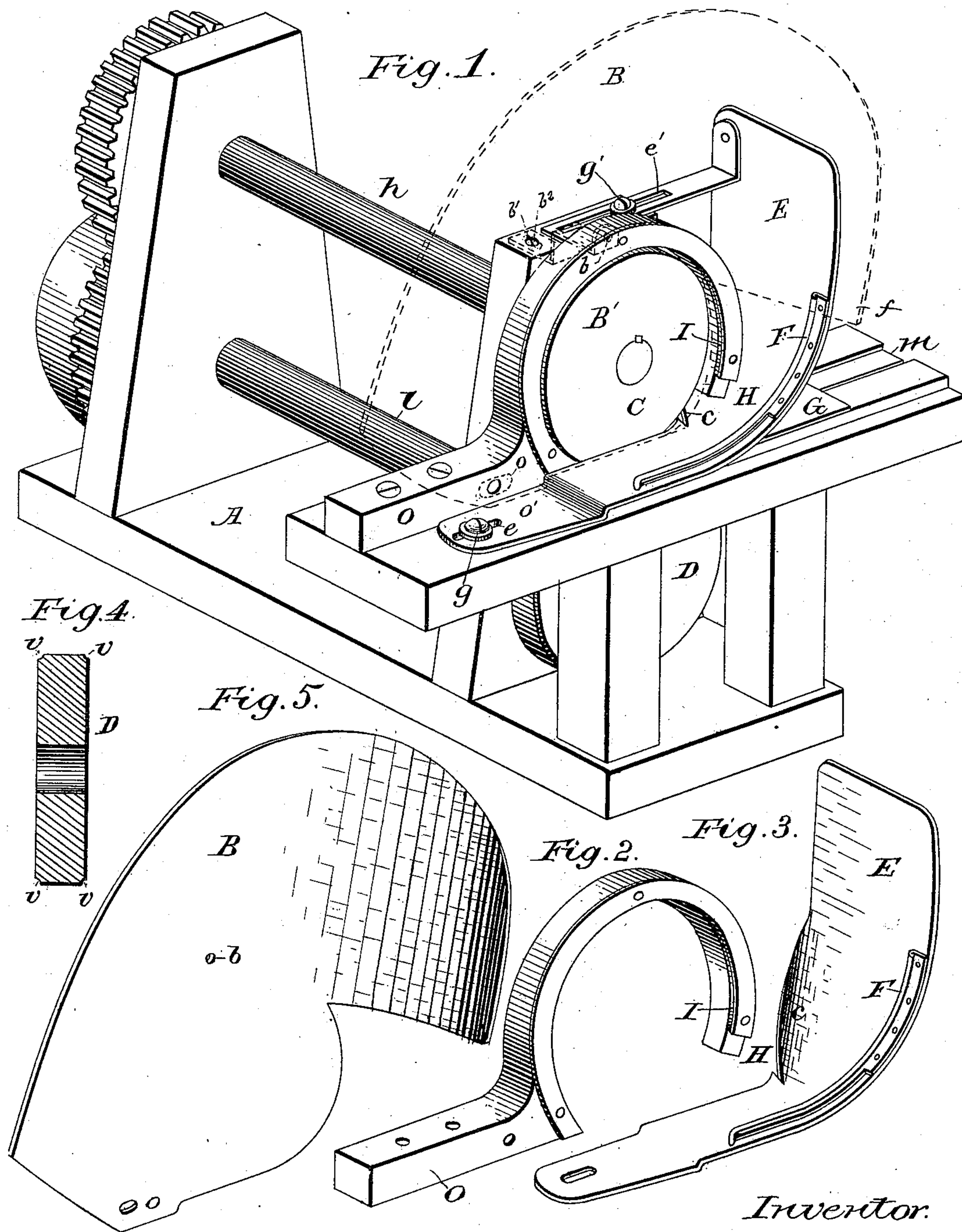
(Model.)

C. C. FINNERAN.

MACHINE FOR COILING METAL STRIPS.

No. 333,509.

Patented Jan. 5, 1886.



Witnesses:

Chas E White  
Geo A McCormick.

Inventor.

Charles C. Finneran



# UNITED STATES PATENT OFFICE.

CHARLES C. FINNERAN, OF PAINESVILLE, OHIO, ASSIGNOR OF THREE-  
FOURTHS TO O. G. TUTTLE, M. J. WILSON, AND W. C. REED, OF  
SAME PLACE.

## MACHINE FOR COILING METAL STRIPS.

SPECIFICATION forming part of Letters Patent No. 333,509, dated January 5, 1886.

Application filed November 28, 1884. Serial No. 149,005. (Model.)

*To all whom it may concern:*

Be it known that I, CHARLES C. FINNERAN, of Painesville, in the county of Lake and State of Ohio, have invented a Machine for  
5 Coiling Metal Strips, which invention is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to coil round-  
10 hem, turned-edge, corrugated, or plain metal oil-cloth binding, or metal strips of any kind, for the convenience of packing the same.

A. Figure 1, shows the machine complete in all its parts. B is a metal disk that is cut  
15 away at B' to show the working parts beneath. The parts of the machine are moved by gear-wheels, which are secured on the outer ends of the shafts *h* and *l*.

The machine is illustrated more in detail in  
20 Figs. 2, 3, 4, and 5.

The operation of this invention is thus described. The metal strip is placed in the groove *m* and passed under the clip G. Then it passes round the roller C continuously un-  
25 til the strip is coiled. To prevent the end which is first passed through the roller from passing through the second time, the end of the circular guide O, as shown at H in Fig. 2, is bent outward for the purpose of carrying  
30 the free end of the coil to the front. The guide *c*, which is formed on the inner edge of the curved guide E, (shown at Fig. 3,) then takes the end of said coil and passes it to the front of the disk B. The circular guide O has  
35 the groove I formed in its inner edge, and follows its whole inner circumference. This groove I is for the purpose of guiding the strip and keeping it in its place. The curved guide E has the stop F, (shown in Fig. 3,) at-  
40 tached near its front edge, for the purpose of guiding the coil. The coiled edge of the strip presses against the inner edge of the stop F, which keeps the coil in its place and prevents its assuming a spiral form. The guide

E may be adjusted toward or away from the  
center of C by means of slots *e* and *e'* and  
screws *g* and *g'*. The lower roller, D, has the  
grooves *v v* formed on both edges to guide the  
strip. They are shown in Fig. 4. The disk  
B is placed in front of the working parts, and  
covers them, with the exception of a small  
portion in the front of the circular guide O,  
thus exposing the end of the same. The disk  
B is placed in front of the working parts of  
the machine to separate the coil therefrom  
55 and prevent its becoming entangled. The edge of the disk shown at *f* is curved outward for the purpose of throwing the completed coil clear of the machine. The disk B is adjust-  
ably secured to the frame of the machine by  
60 means of a slot, *o*, and a screw, and a brace, B<sup>2</sup>, riveted to B at *b*, and having slot *b'*, through which passes a screw, *b'*.

I claim as my invention—

1. The circular guide O, with its grooved  
inner edge, I, and curved end H, substantially  
as and for the purpose as hereinbefore set  
forth.

2. The curved guide E, with its stop F and  
guide *c*, substantially as and for the purpose  
70 as hereinbefore set forth.

3. The disk B, with its curved edge *f*, sub-  
stantially as and for the purpose as hereinbe-  
fore set forth.

4. The combination of the circular guide O,  
75 with its grooved inner edge, I, and curved end H, the curved guide E, with its stop F, and guide *c*, the disk B, with its curved edge *f*, the lower roller, D, with its grooves *v v*, the clip G, and groove *m*, in combination with the  
80 other working parts of the machine, substan-  
tially as and for the purpose as hereinbefore set forth.

CHARLES C. FINNERAN.

Witnesses:

WILLIAM PETTINGELL,  
CHARLES H. PETTINGELL.