

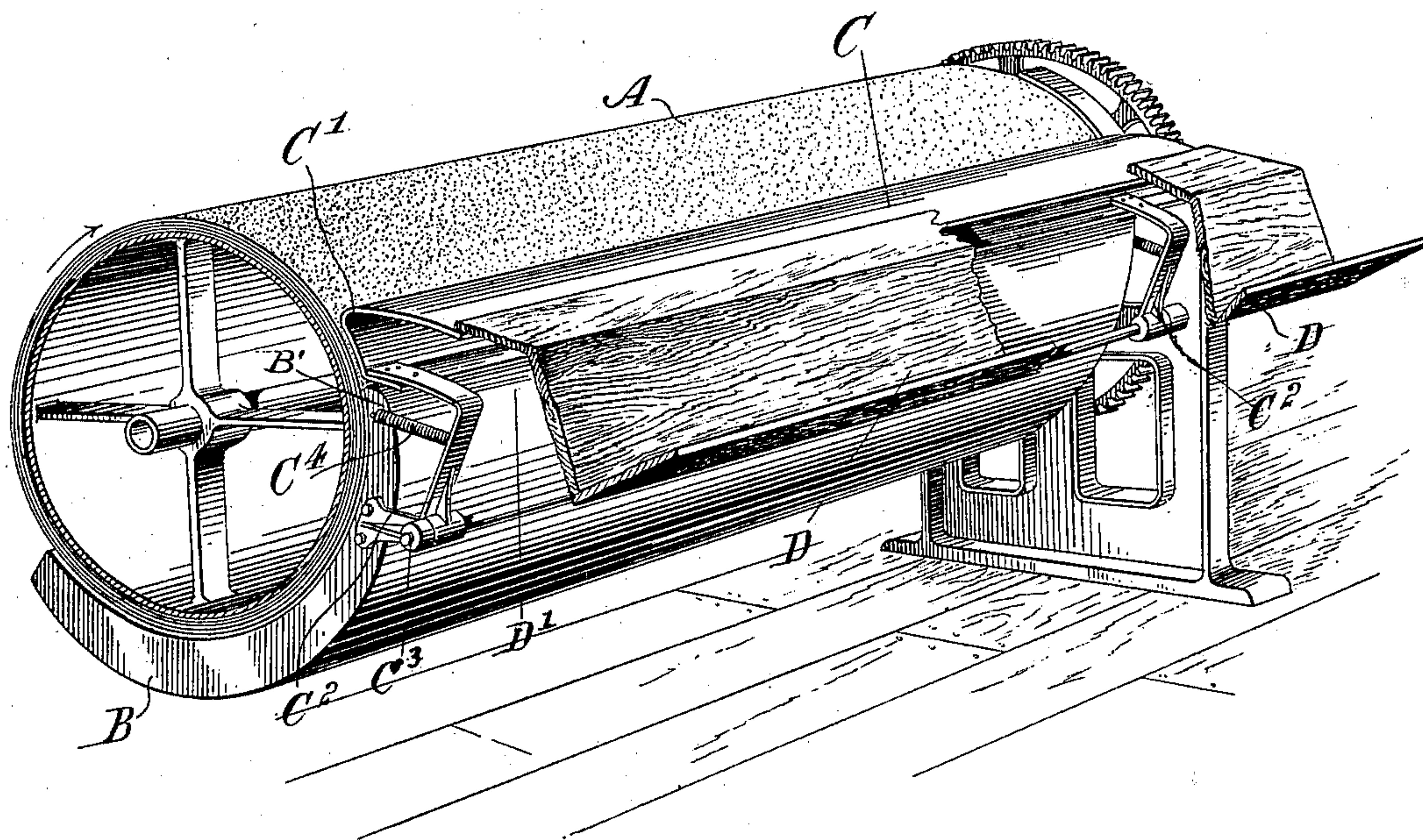
No. 663,713.

Patented Dec. 11, 1900.

D. S. ARKLAY & E. W. COLLIER.  
GUARD FOR IRONING OR OTHER MACHINES.

(Application filed Sept. 11, 1899.)

(No Model.)



Witnesses:

Thomas Durant  
V. B. Norton

Inventors:

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Attys.



# UNITED STATES PATENT OFFICE.

DAVID SENIOR ARKLAY AND EDWIN WILLIAM COLLIER, OF LONDON,  
ENGLAND.

## GUARD FOR IRONING OR OTHER MACHINES.

SPECIFICATION forming part of Letters Patent No. 663,713, dated December 11, 1900.

Application filed September 11, 1899. Serial No. 730,158. (No model.)

*To all whom it may concern:*

Be it known that we, DAVID SENIOR ARK-  
LAY, residing at London, and EDWIN WILLIAM  
COLLIER, residing at Leyton, London, Eng-  
land, subjects of the Queen of England, have  
invented a certain new and useful Guard for  
Ironing or other Machines, (for which appli-  
cation for Letters Patent has been made in  
Great Britain, No. 9,748, dated May 9, 1899,) 5  
of which the following is a specification.

As usually constructed, ironing-machines,  
to which this invention is particularly appli-  
cable, comprise a steam-heated cylinder,  
which revolves either under or over a steam-  
heated iron which is shaped to fit the cylinder  
and has imparted to it a reciprocating motion  
in a direction parallel to the axis of the cyl-  
inder. In feeding the material through the  
machine by hand carelessness on the part of  
the operator leads to one or both hands being  
caught between the revolving cylinder and  
the iron, and consequently crushed. 15

The object of this invention is to obviate  
this danger, and to this end we arrange a  
guard in front of the iron and running from  
end to end of it. This guard is made of suit-  
able material, preferably metal, shaped to  
approximately fit the curve of the cylinder,  
and constitutes an extension of the iron. The  
guard is pivoted or supported in such a way  
that while normally being retained in position  
close to the face of the cylinder and over the  
front edge of the iron, yet in the event of the  
hand of the operator being caught by the cyl-  
inder on meeting with the guard the latter  
will yield and being lifted up or away from  
the cylinder will allow of the hand being re-  
moved before injury can be done to it. 25

The figure shown is a perspective view of  
the revolving cylinder and iron of an ironing-  
machine in which the iron is situated beneath  
the cylinder, the machine being provided with  
a guard constructed in accordance with this  
invention. 30

Like letters indicate like parts.

The steam-heated cylinder A revolves close  
to the iron B, which is curved to correspond.  
Along the front edge B' of the iron is arranged  
a guard formed of a sheet of metal, which ex-  
tends the entire length of the iron and is  
shaped so that one part of it, C, forms a con- 35

tinuation of the table D, while another por-  
tion, C', is curved approximately to fit close to  
the surface of the cylinder A and constitutes  
practically an extension of the face of the iron  
B. The guard is carried on the ends of arms  
C<sup>2</sup>, which are pivoted at C<sup>3</sup> on brackets suit-  
ably mounted either on the iron or on other  
parts of the machine. Springs C<sup>4</sup> are pro-  
vided to assist in keeping the guard in its  
normal position. These springs may, how-  
ever, be dispensed with, the guard being kept  
in place by so disposing the pivots that the  
weight of the guard itself will keep it up  
against the cylinder. In the event of the  
hand of the operator being caught between  
the cylinder A and the guard, the latter can  
be moved outward from the face of the cylin-  
der, enabling the hand to be removed before  
it can suffer injury. 40

The guards illustrated operate in a manner  
similar to that described in connection with  
Fig. 1, for in the event of the hand of the op-  
erator being caught by the cylinder on meet-  
ing the guard the latter will be lifted away  
from the cylinder and permit the hand to be  
removed before being injured. 45

It will be understood that the guard may  
be applied to various kinds of ironing or other  
machines having one or more revolving cyl-  
inders where there is danger of the hands of  
the operator being caught. 50

What we claim as our invention, and desire  
to secure by Letters Patent, is—

In an ironing-machine, the combination  
with the revolving cylinder, of the guard-plate  
shaped to fit approximately the curve of the  
cylinder, and having its edge turned back or  
away from the cylinder, the pivoted arms upon  
which the guard-plate is mounted, and the  
springs for holding the guard yieldingly in  
close proximity to said cylinder; substantially  
as described. 55

In testimony whereof we have signed our  
names to this specification in the presence of  
the two subscribing witnesses. 60

DAVID SENIOR ARKLAY.  
EDWIN WILLIAM COLLIER.

Witnesses:

B. EDENHAT KILBURN,  
HARRY B. BRIDGE.