

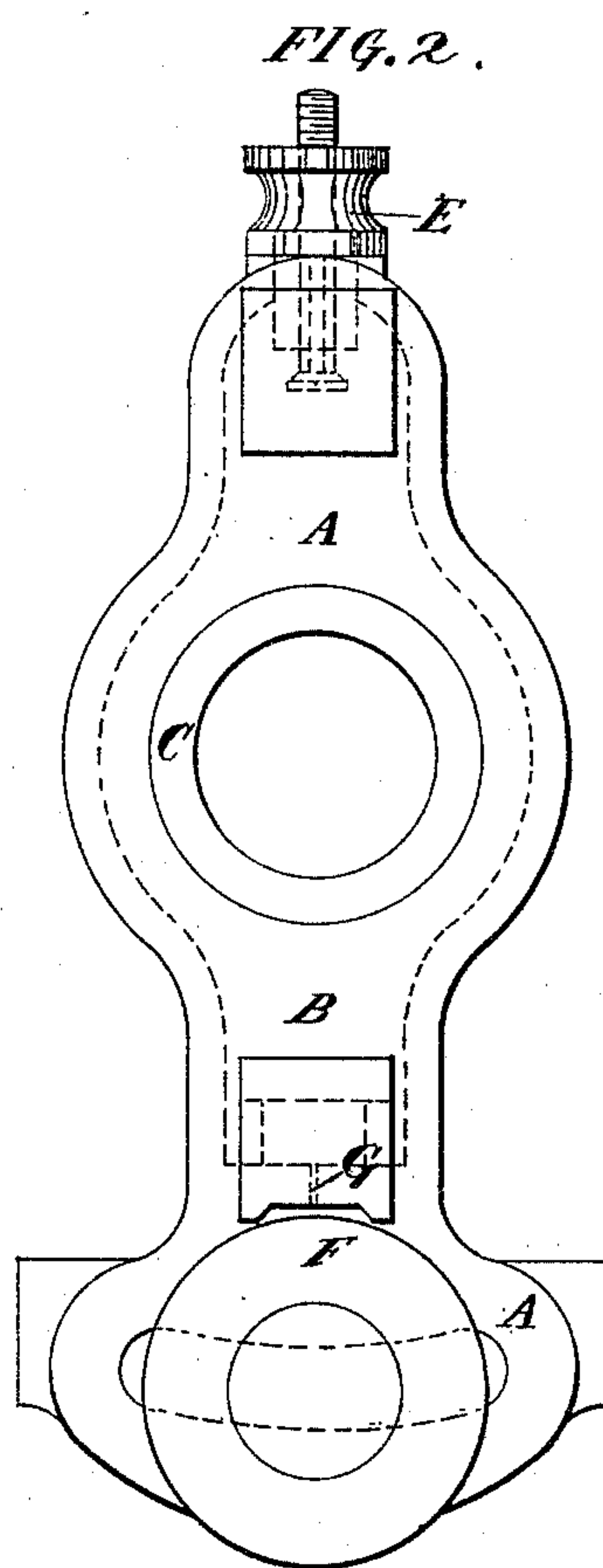
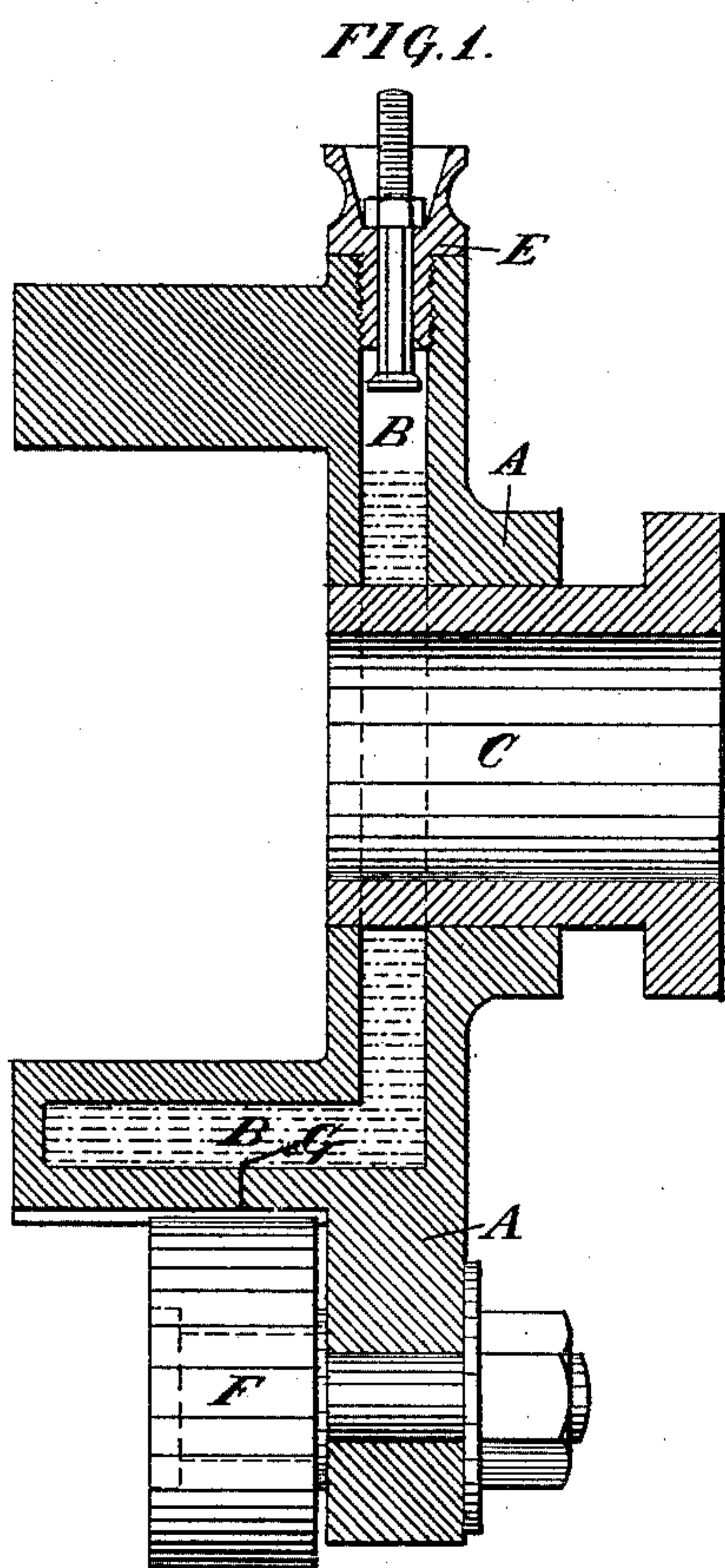
(No Model.)

B. BERRY & D. B. BRIGGS.

MEANS FOR LUBRICATING PICKING TAPPETS OF WEAVING LOOMS.

No. 411,490.

Patented Sept. 24, 1889.



Witnesses:

E. D. Smith

Thomas Durant.

Inventors:

Benjamin Berry and
Daniel B. Briggs

by *Charles K. Kline*
their Attys

UNITED STATES PATENT OFFICE.

BENJAMIN BERRY AND DANIEL BATEMAN BRIGGS, OF BRADFORD, ENGLAND.

MEANS FOR LUBRICATING PICKING-TAPPETS OF WEAVING-LOOMS.

SPECIFICATION forming part of Letters Patent No. 411,490, dated September 24, 1889.

Application filed May 22, 1889. Serial No. 311,657. (No model.)

To all whom it may concern:

Be it known that we, BENJAMIN BERRY and DANIEL BATEMAN BRIGGS, subjects of the Queen of England, residing at Bradford, Eng-
land, have invented certain Improvements in
Means for Lubricating Picking-Tappets of
Weaving-Looms, of which the following is a
specification.

This invention relates to improvements in
the picking-tappets of the Crompton and other
similar types of weaving-loom; and its ob-
ject is to facilitate the lubrication of the anti-
friction roller or bowl carried by this class of
tappet.

The said improvements consist in casting
said tappets hollow, in the manner hereinafter
described, and so forming a chamber for the
reception of the lubricant which is automati-
cally supplied to lubricate said anti-friction
roller.

In the accompanying drawings, Figure 1
represents a longitudinal section through the
center of the tappet, and Fig. 2 is a side view
of the same.

The tappet A is cored out when cast so as
to form the chamber B, and a hole is truly
bored to tightly fit the central boss C of the
tappet, and such tappet is shrunk thereon, or
a tight joint made in any convenient manner.
An air-valve E is fitted in the opposite end of
the tappet to that carrying the anti-friction
roller or bowl F, and such valve also forms

the orifice by which the chamber B is filled
with lubricant. A fine hole or educt G, drilled
through the tappet, communicates with the
chamber B and allows the passage of a mi-
nute supply of lubricant to the bowl F when
it reaches its lowest point in each revolution,
the air-valve dropping open to allow the lubri-
cant to flow freely. As the tappet revolves
and the air-valve E passes to the lower side,
it closes by its own weight and prevents the
lubricant escaping.

We claim—

1. A tappet for weaving-loom, provided
with a lubricating-chamber having a duct
leading to the anti-friction roller carried by
said tappet adapted to supply said roller with
lubricant, substantially as herein shown and
described.

2. The combination, with a tappet provided
with a lubricating-chamber and an educt, of
an air-valve arranged for the passage of air,
substantially as herein shown and described,
and for the purpose specified.

In testimony whereof we have hereunto set
our hands in the presence of the two subscrib-
ing witnesses.

BENJAMIN BERRY.
DANIEL BATEMAN BRIGGS.

Witnesses:

SAMUEL A. DRACUP,
DAVID NORVELL.