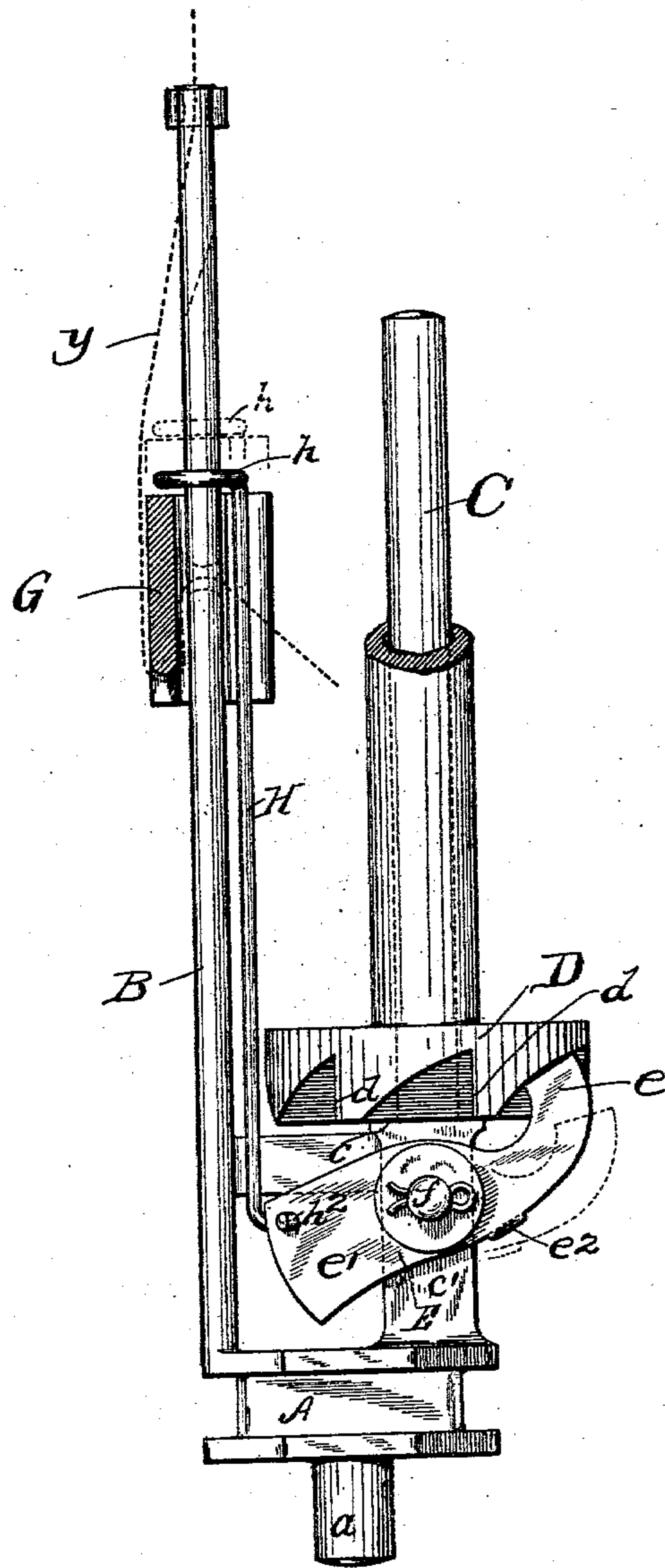


No. 753,199.

PATENTED FEB. 23, 1904.

H. JANSSEN.
BRAIDING CARRIER.
APPLICATION FILED JULY 23, 1903.

NO MODEL.



Witnesses
David Leman
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Henry Janssen
Inventor

By *[Signature]*
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UNITED STATES PATENT OFFICE.

HENRY JANSSEN, OF WYOMISSING, PENNSYLVANIA, ASSIGNOR TO
TEXTILE MACHINE WORKS, INCORPORATED, OF WYOMISSING,
PENNSYLVANIA.

BRAIDING-CARRIER.

SPECIFICATION forming part of Letters Patent No. 753,199, dated February 23, 1904.

Application filed July 23, 1903. Serial No. 186,670. (No model.)

To all whom it may concern:

Be it known that I, HENRY JANSSEN, a citizen of the United States, residing in Wyomissing, county of Berks, State of Pennsylvania, have invented certain new and useful Improvements in Braiding-Carriers, of which the following is a specification.

My invention relates particularly to braiding-machine carriers; and it consists in providing an improved pawl mechanism for controlling the rotation of the yarn spool or holder, as fully described hereinafter in connection with the accompanying drawing and specifically pointed out in the claim.

The drawing shows a side elevation of a carrier having my invention applied thereto, the portion of yarn spool or holder indicated representing either an ordinary spool or bobbin upon which the yarn is directly wound or a rotary sleeve upon which a separately-wound cop of yarn is removably secured, and the tension-weight (shown in cross-section) being indicated in partially-raised position and supported in the bight of a broken-off section of yarn.

The main portion of the carrier is of ordinary construction, comprising the flanged foot portion A, with depending driver-stud *a* and the rigid tension-weight stud B and parallel spool-spindle C. The yarn holder or spindle C may in my construction be arranged either to have the yarn directly wound thereon or to receive a separately-wound cop of yarn, both of which methods are commonly employed, as already referred to. In either case it forms a loose sleeve upon the spindle C, having an enlarged circular base portion D, which bears against a supporting-shoulder *c* on the spindle. This base portion is provided with ratchet-teeth *d*, designed to be engaged by a pawl arranged to control the rotation of the yarn-holder, so as to permit the unwinding of yarn therefrom only as required. My invention relates exclusively to the improved pawl construction and arrangement provided in con-

nection with the ratcheted base yarn-holder. As shown, the pawl E is simply a stamped sheet-metal plate arranged transversely below the ratcheted base D of the yarn-holder and its supporting-shoulder *c* on the spindle, pivoted intermediately of its length at *f* to the base portion *c'* of said spindle and formed with a tooth-engaging outer end *e*. This pawl is operated, as usual, by the tension-weight G on stud B, which weight is lifted on said stud into contact with the sliding end *h* of an operating device H, connected at its lower extremity *h'* to the inner end *e'* of the pawl E. The latter is provided with a projecting stop *e''*, adapted to contact with the spindle-base *c'* and which permits of sufficient movement of the pawl to release the ratcheted base D of the yarn-holder and permit the unwinding of a limited amount of yarn. As the resulting slack is taken up by the falling tension-weight G, the operating device H and inner pawl end *e'* promptly drop again, thus throwing the outer pawl end *e* upward to reengage and stop the rotation of the yarn-holder.

My improved pivoted pawl and its arrangement and operation are very simple, and the construction is both neat and compact in appearance and prompt and effective in action.

What I claim is—

The combination with the tension-weight stud and parallel spool-spindle, of a yarn spool or holder having a ratcheted base loosely supported on said spindle, a transversely-arranged pawl pivoted intermediately of its length below said base and having its outer end adapted to engage the latter, an operating device guided on said stud and connected to the inner end of said pawl and a cooperating tension-weight.

In testimony whereof I affix my signature in the presence of two witnesses.

HENRY JANSSEN.

Witnesses:

D. M. STEWART,
W. G. STEWART.