

No. 709,833.

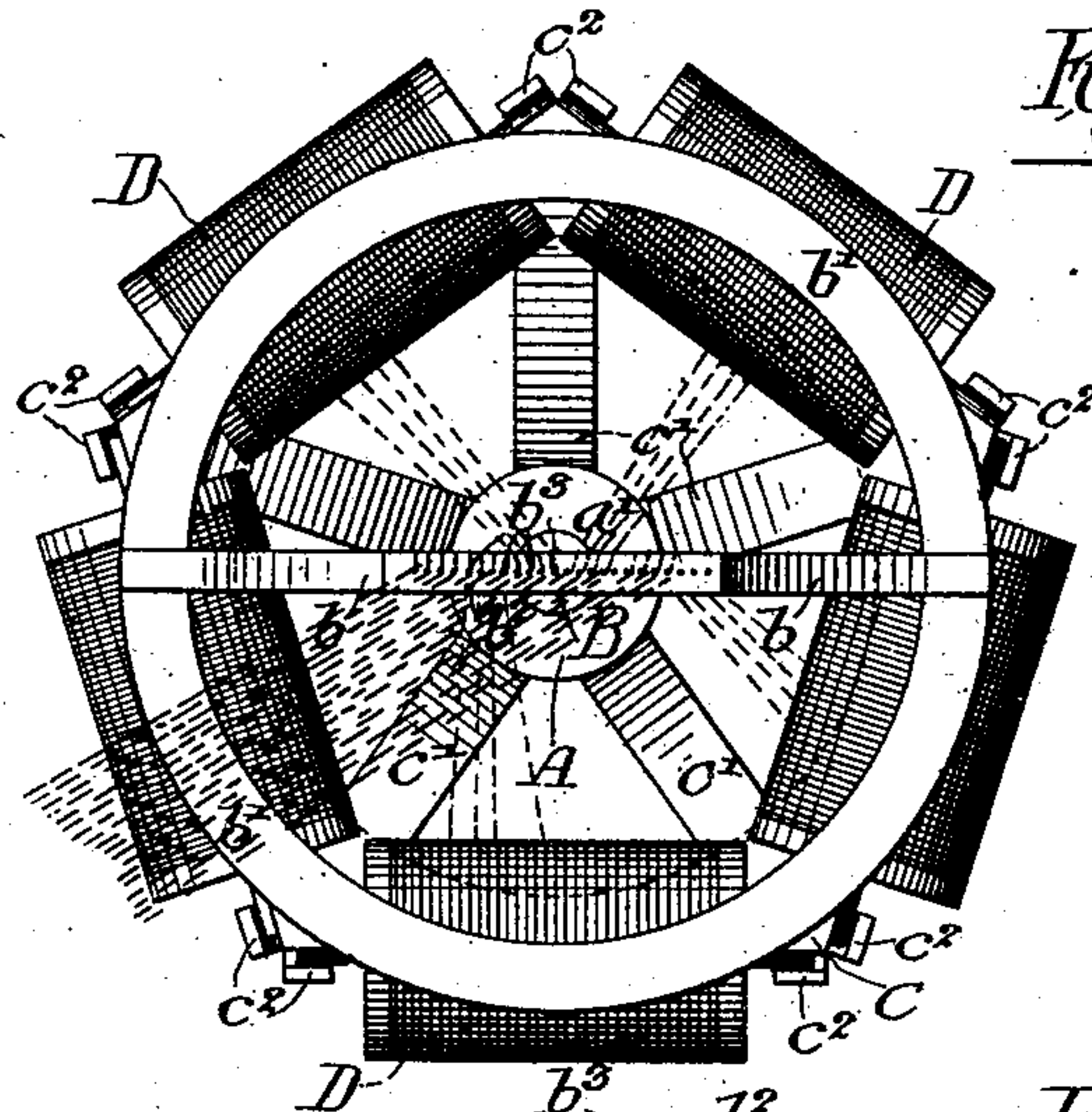
Patented Sept. 23, 1902.

D. M. SULLIVAN.

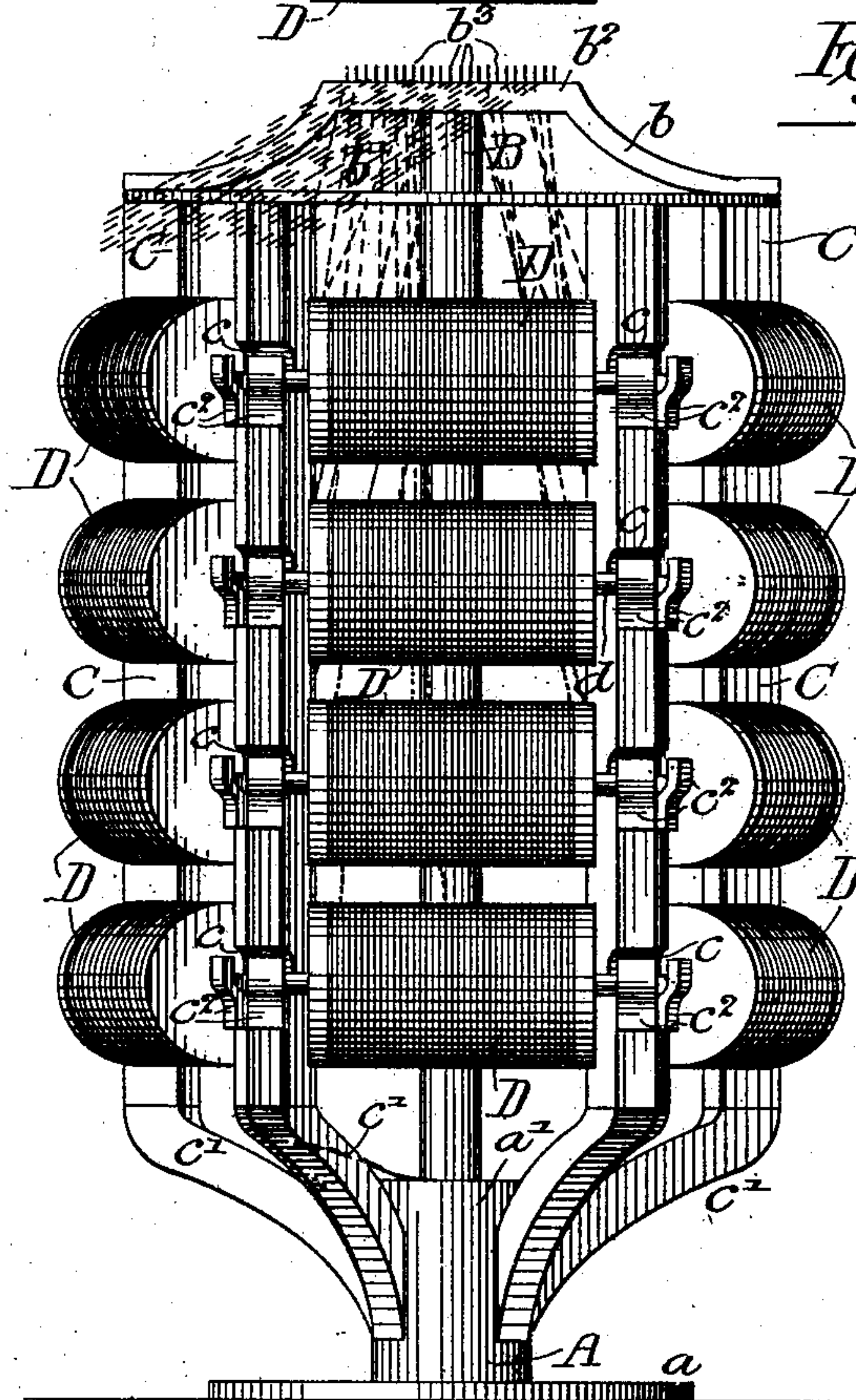
CREEL FOR SELVAGE SPOOLS ON SLASHERS.

(Application filed Jan. 24, 1902.)

(No Model.)



*Fig. 2.*



*Fig. 1.*

Witnesses:-

*Norman E. Metcalf.*

*William E. Bradley.*

Inventor:-

*David M. Sullivan*

*by his Attorneys*

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# UNITED STATES PATENT OFFICE.

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## CREEL FOR SELVAGE-SPOOLS ON SLASHERS.

SPECIFICATION forming part of Letters Patent No. 709,833, dated September 23, 1902.

Application filed January 24, 1902. Serial No. 91,050. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID M. SULLIVAN, a citizen of the United States, and a resident of Greensboro, North Carolina, have invented certain Improvements in Creels for Selvage-Spools on Slashers, of which the following is a specification.

My invention relates to certain improvements in creels for holding spools or bobbins, and more particularly to improvements in that class of creels used for holding the selvage-spools for a slasher.

The object of my invention is to provide a creel of the character described which shall support a given number of spools or bobbins upon a single stand and that within the minimum of space consistent with proper operation. This object I attain as hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of my improved creel, showing a number of spools supported thereupon; and Fig. 2 is a plan view of the same.

In the above drawings, A is the base of the creel, consisting in the present instance of a disk  $a$ , to which is fixed an upwardly-projecting cylindrical section  $a'$ . Extending upward from this section  $a'$  is a bar B, carrying on its top a yoke  $b$ , this being supported on said bar at its middle point.

Fixed to and carried by the ends of the yoke  $b$  is a ring-shaped headpiece  $b'$ , between which and the cylindrical portion  $a'$  of the base extend a number of vertical standards C, (five in the present instance.) These standards consist of vertical bars each supported by one of a series of arms  $c'$ , radiating from the base A.

It will be seen that each of the standards C is made so that its upper face has two plane surfaces at an angle to one another, one surface of each standard being in a plane including one face of the standard next adjacent to it. There are notches or slots  $c$  in each of the two outer faces of each standard, and there are lugs  $c^2$ , fixed to the standards opposite and slightly below each slot, these lugs being designed to receive shafts or spindles  $d$  for the support of the spools D in the manner shown.

In the device illustrated it will be seen that there are four series of notches on each standard, thereby making it possible to support

four shafts with their respective spools between each pair of the standards.

It will be noted that the yoke-piece  $b$  has a horizontal surface  $b^2$  upon its top portion, in which are fixed a number of pins  $b^3$ . A thread from each spool extends, as shown, in dotted lines up to and over the yoke, the same being passed between and guided by pins. From here threads may be taken to any desired device, the particular form of creel shown in the illustration being designed for use in connection with a slasher.

It will be seen that by supporting spools in the manner shown floor-space is utilized with greatest economy, while at the same time there is no interference or contact between the various threads from said spools.

I claim as my invention—

1. In a creel, the combination of a base, vertical standards carried thereby, a piece connecting the upper ends of said standards, a yoke-piece extending between two sections of said connecting-piece, means on the standards for supporting shafts for a number of spools, and means on the yoke-piece for guiding threads from spools carried by said shafts, substantially as described.

2. The combination in a creel, of a base, standards supported by the same, shafts carried by said standards, spools on the shafts, each standard supporting the ends of two of said shafts in the same horizontal plane, a central standard carried by the base, a yoke-piece supported by said central standard and by the shaft-carrying standards and means upon said yoke-piece for guiding the threads from the spools, substantially as described.

3. The combination of a base-piece, a number of radiating arms thereon, standards carried by the arms having a headpiece in engagement with their upper portions, spools and means on the standards for supporting the same, a central standard projecting upwardly from the base and a yoke-piece resting upon said central standard and the headpiece and carrying means for guiding the threads from the spools, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID M. SULLIVAN.

Witnesses:

JNO. J. NELSON,  
ERNEST CLAPP.