

No. 897,795.

PATENTED SEPT. 1, 1908.

J. SMITH.
TYING APPLIANCE.
APPLICATION FILED NOV. 30, 1907.

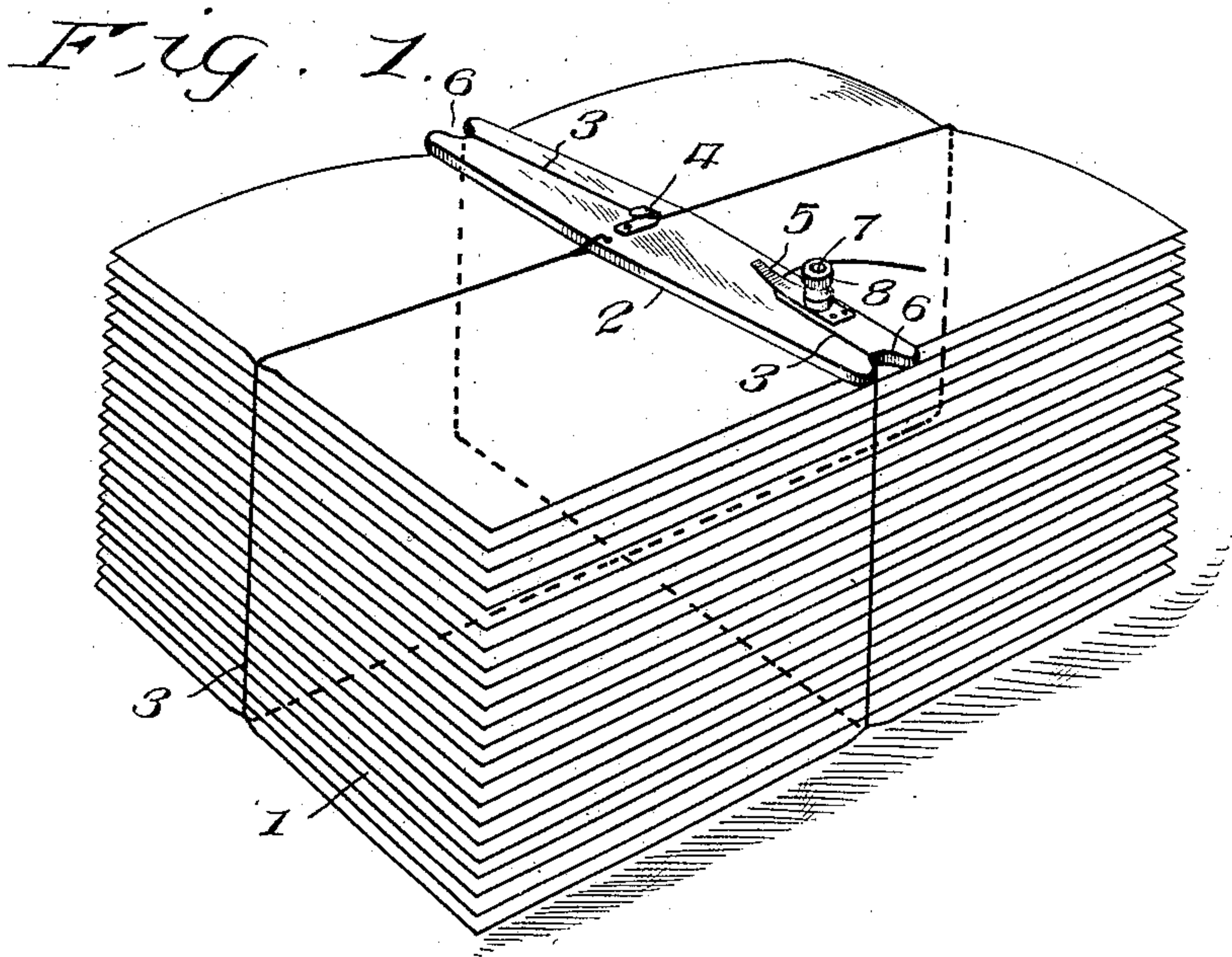
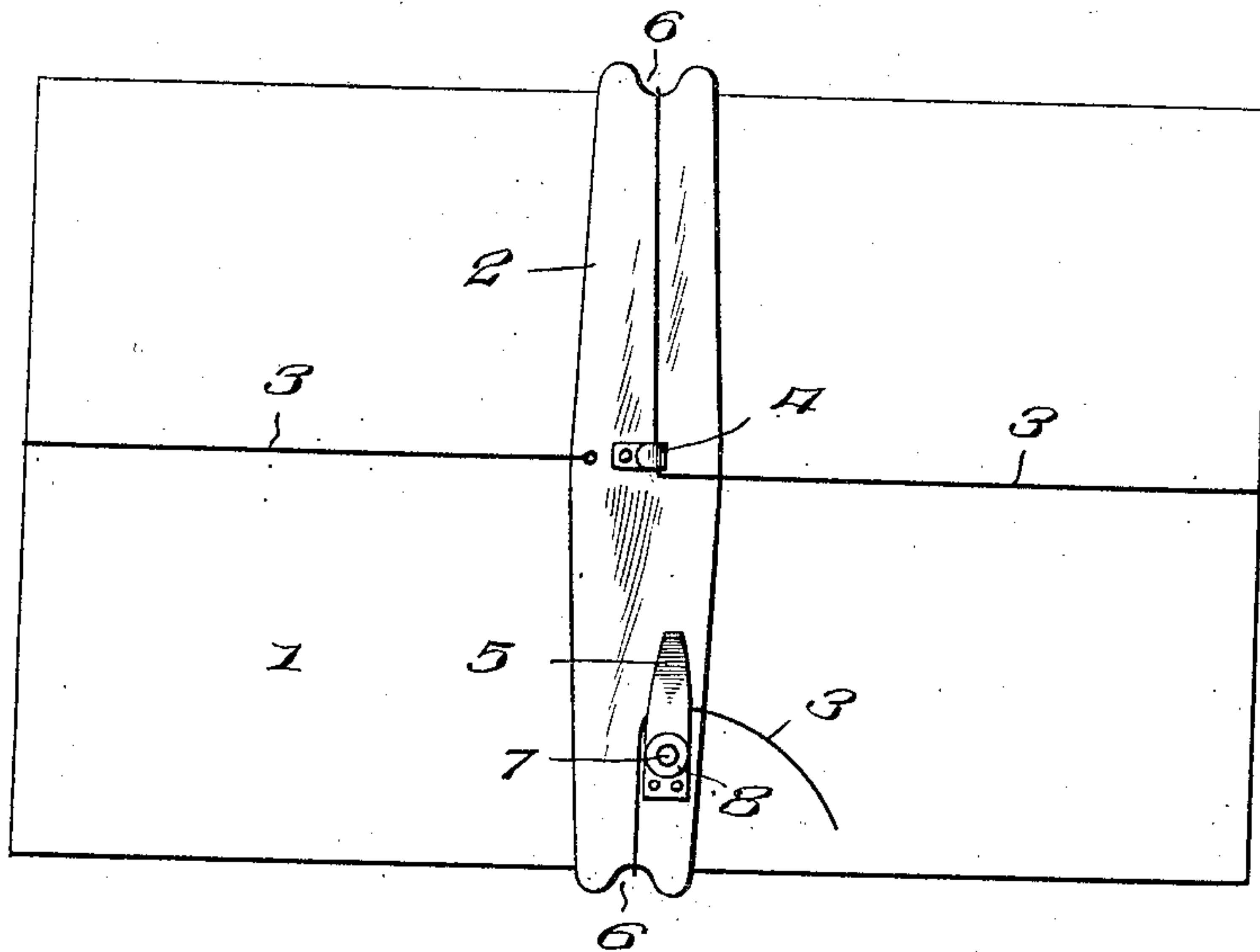


Fig. 2.



WITNESSES:

Thomas Wiley
W. J. Fitzgerald

INVENTOR
J. Smith

BY

W. J. Fitzgerald & Co
Attorneys

UNITED STATES PATENT OFFICE.

JOB SMITH, OF HOPE, NORTH DAKOTA, ASSIGNOR OF ONE-THIRD TO HUGH M. CARPENTER,
OF HOPE, NORTH DAKOTA.

TYING APPLIANCE.

Ns. 897,795.

Specification of Letters Patent.

Patented Sept. 1, 1908.

Application filed November 30, 1907. Serial No. 404,505.

To all whom it may concern:

Be it known that I, JOB SMITH, a citizen of the United States, residing at Hope, in the county of Steele and State of North Dakota, have invented certain new and useful Improvements in Tying Appliances; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in tying appliances and more particularly to that class adapted to be used in tying mail matter or letters in packages and my object is to provide an appliance of this class which may be quickly secured in position around a bundle of letters, or other objects.

A further object is to provide means for securing the appliance after it has been disposed around the object.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is a perspective view of a bundle of letters showing my improved appliance attached thereto, and, Fig. 2 is a top plan view thereof.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a package of letters, which are bunched together when assorted for convenient handling and in order to hold the letters in their bunched position, I provide my improved tying appliance, which consists of a plate 2 of sufficient length to extend across the letters at their narrowest point, while 3 indicates a cord employed for tying the letters in their bunched position, one end of said cord being secured to one edge of the plate 2 and at a point adjacent its longitudinal center and in securing the cord around the letters, the plate is placed in position on the top of the bundle and substantially at the longitudinal center thereof, after which the cord is extended lengthwise around the bundle and into engagement with a hook 4 on the upper surface of and at the longitudinal center of the plate 2, after which the remainder of the cord is directed around the bundle in the opposite direction and placed in engagement with a spring finger 5 at one end

of the plate 2, the free end of the finger being slightly curved upwardly, so that the cord may be readily introduced thereunder.

The finger 5, is arranged longitudinally of the plate 2 adjacent an end thereof and the outer end of the finger is held to the plate by rivets or other fastening means. The spring is also fastened adjacent the edge of the plate opposite that to which the cord 3 is secured. The ends of the plate 2 are provided with recesses 6, in which portions of the cord are adapted to rest when passed around the bundle at its narrowest point, thereby preventing the cord from slipping or moving independently of the plate. A threaded bolt 7 is extended upwardly from the plate 2 and through the spring finger 5, the threaded portion of said bolt being adapted to receive an adjusting nut 8, so that the tension of the finger 5 on the interposed portion of the cord 3 may be increased or decreased, as desired.

The form of device herein shown is what is known as a double tie, but instead of passing the cord around both ends of the bundle as shown, the cord may be anchored at one end of the plate 2 and passed once around the center of the bundle and secured to the spring finger, thereby forming what is known as a single tie and while I have shown and described the tie as being employed in connection with letters, it will be readily understood that the same may be used for tying various articles and, if desired, instead of using a cord, a fine wire may be employed.

It will thus be seen that I have provided a very cheap and economical form of tying appliance and one that may be quickly applied to use. It will further be seen that when the appliance is properly applied to the bundle, the parts thereof cannot slip or become misplaced and further that when the appliance is not in use, the cord may be wrapped on the plate by extending the cord end-wise of the plate and through the recesses 6, the free end thereof being secured by the finger when all of the cord is wrapped upon the plate, thus rendering the appliance easy to handle and in position to be stored in a small space.

What I claim is:

1. A device of the character described comprising a plate, a cord having one end secured thereto, a hook secured to the plate, a flat spring secured at one end to the body, a threaded bolt projecting from the plate and passing through the spring, and a nut engag-

ing the threaded bolt for adjusting the tension of the spring.

2. A device of the character described comprising an elongated plate, a cord having one end secured thereto, a hook secured centrally of the plate, a flat spring secured at one end adjacent an end of the body, the free portion of the spring extending inwardly, and means passing through the spring engaging

the body for adjusting the tension of the 10 spring.

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

JOB SMITH.

Witnesses:

F. W. EHRED

J. W. McKEE.