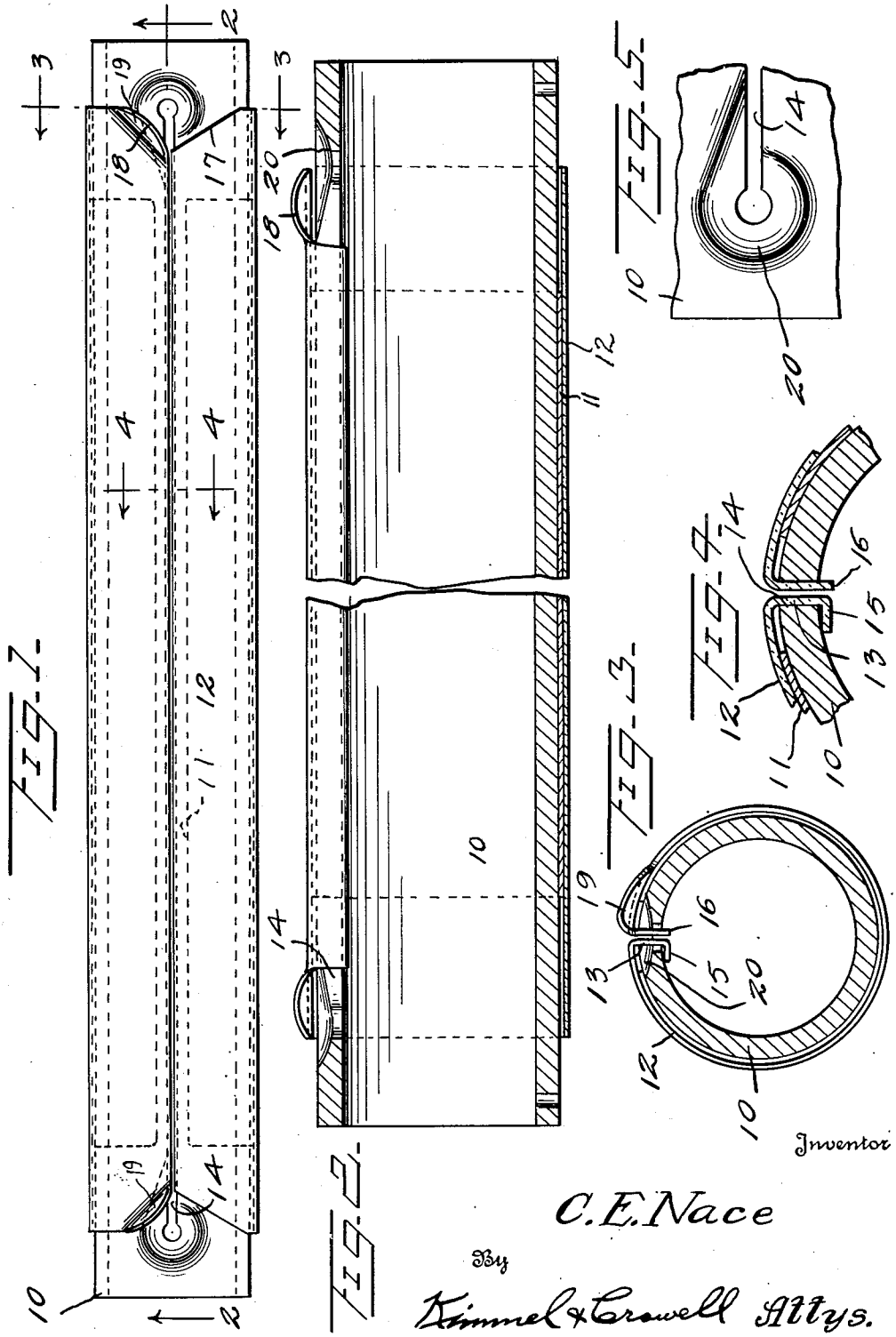
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COPYHOLDER

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COPYHOLDER

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5 Claims. (Cl. 346—138)

1

This invention relates to a copy holder for use with facsimile scanners associated with means for transmitting copy by radio, telephone or telegraph.

An object of this invention is to provide an improved copy holder which embodies a cylindrical or tubular element associated with a rotary shaft and an improved means for securing the copy which is to be transmitted to the outer side of the cylinder.

Another object of this invention is to provide an improved cylinder and securing means for a facsimile scanner wherein the cylinder is provided with a longitudinal slot and the copy which is wrapped about the cylinder is detachably held thereon by means of a transparent cover having a locking tongue engageable with the cylinder in the lengthwise slot thereof.

Another object of this invention is to provide a copy holder for a facsimile scanner which includes a transparent flexible sheet formed of plastic material adapted to be wrapped about the cylinder and provided with a reverted longitudinal edge for locking engagement in a slot formed in the cylinder and also formed with a locking tongue on the other longitudinal edge engageable in the slot of the cylinder, the opposite ends of the transparent sheet being slightly upturned to facilitate the removal of the sheet from about the cylinder when it is desired to change the copy engaged upon the cylinder.

To the foregoing objects, and others which may hereinafter more fully appear, the invention consists of the novel construction, combination and arrangement of parts, as will be more specifically referred to and illustrated in the accompanying drawings, but it is to be understood that changes, variations, and modifications may be resorted to which fall within the scope of the invention as claimed.

In the drawing:

Figure 1 is a plan view of a facsimile scanner cylinder or copy holder constructed according to an embodiment of this invention.

Figure 2 is a longitudinal view taken substantially on the line 2—2 of Figure 1.

Figure 3 is a transverse section taken on the line 3—3 of Figure 1.

Figure 4 is a fragmentary sectional view taken on the line 4—4 of Figure 1.

Figure 5 is a fragmentary plan view of one end of the cylinder.

Referring to the drawing, the numeral 10 designates generally an elongated rotary cylinder which is adapted to be disposed on a rotary shaft

2

forming part of a scanning means. A cylinder 10 is adapted to have wrapped thereabout a copy sheet 11 which is of a length slightly less than the length of the cylinder 10.

In order to provide a means whereby the copy 11 may be detachably secured to the outside of the cylinder 10, I have provided a split cylindrical transparent member 12 which is engageable about the copy 11 being of a length slightly longer than the copy 11. The transparent copy retaining member 12 is provided along one lengthwise edge thereof with an inwardly projecting tongue 13 which is adapted to extend in a lengthwise slot 14 formed in the cylinder 10. The tongue 13 at its inner edge is provided with a substantially right-angularly disposed locking tongue 15 which is engageable on the inner side of the cylinder 10. The opposite lengthwise edge of the retaining member 12 is also formed with a locking tongue 16 which is adapted to engage within the slot 14 in confronting position to the tongue 13.

The opposite ends of the split cylindrical retaining member 12 are cut away angularly as indicated at 17 and 18 and preferably the angular portions 18 are upwardly bent so as to form lips 19 so that a finger, a pencil or like element may be inserted beneath the lip 19 so as to raise the tongue 16 from the slot 14.

In order to assist in removing the retaining member 12 from about the cylinder 10, the cylinder at the opposite ends of the slot 14 is formed with concave recesses 20.

With a copy holder as hereinbefore described, the cylinder 10 is secured to the rotating element of the scanning device and the copy 11 is wrapped about the cylinder 10 with the edges of the copy 11 terminating short of the slot 14. The split cylindrical retaining member 12 is then engaged about the copy 11, the locking tongues 13 and 15 being first extended into the slot 14. The tongue 16 is finally inserted into the slot 14 in confronting position to the tongue 13.

The split cylindrical retaining member 12 is formed of transparent material such as plastic or the like which has a substantial degree of flexibility and at the same time the retaining member 12 is shaped or moulded so that it will readily retain its cylindrical configuration. With a copy holder as hereinbefore described, the copy which is disposed in confronting position to the scanning means will be firmly held so that the copy can be readily scanned. By means of the removable retaining member 12 the copy can be easily and quickly placed on the cylinder and

removed so that the changing of copy on the cylinder 10 will occupy only a short space of time. In addition, the copy will not be injured during the placing or removing thereof on the scanning cylinder.

I claim:

1. A copy holder for a scanning device comprising a cylindrical member about which the copy is adapted to engage, said member being formed with a lengthwise slot terminating between the ends thereof, and a transparent resilient longitudinally split clamping cylinder engageable about said copy, said clamping cylinder including locking means formed on each edge of said cylinder along the split thereof and engaging in said slot for removably securing said clamping cylinder to said member.

2. A copy holder for a scanning device comprising a cylindrical member about which the copy is adapted to engage, said member being formed with a lengthwise slot terminating between the ends thereof, and a transparent resilient longitudinally split transparent clamping cylinder engageable about said copy, said clamping cylinder including locking means formed on each edge of said cylinder along the split thereof and engaging in said slot for removably securing said clamping cylinder to said member.

3. A copy holder for a scanning device comprising a cylindrical member about which the copy is adapted to engage, said member being formed with a lengthwise slot terminating between the ends thereof, and a transparent resilient longitudinally split clamping cylinder engageable about said copy, said clamping cylinder including a reverted locking member formed on one edge of said clamping cylinder along the split thereof and engageable in said slot, and a locking tongue formed on the opposite edge of said clamping cylinder engageable in said slot.

4. A copy holder for a scanning device comprising a cylindrical member about which the copy is adapted to engage, said member being formed with a lengthwise slot terminating between the ends thereof, and a transparent resilient longitudinally split clamping cylinder engageable about said copy, said clamping cylinder including a reverted locking member formed on one edge of said clamping cylinder and engageable in said slot, and a locking tongue formed on the opposite edge of said clamping cylinder engageable in said slot, the opposite ends of said clamping cylinder on one edge of the split thereof being outturned to facilitate the removal of said clamping cylinder from said member.

5. A copy holder for a scanning device comprising a cylindrical member about which the copy is adapted to engage, said member being formed with a lengthwise slot terminating between the ends thereof, and a transparent resilient longitudinally split clamping cylinder engageable about said copy, said clamping cylinder including a reverted locking member formed on one edge of said clamping cylinder and engageable in said slot, and a locking tongue formed on the opposite edge of said clamping cylinder engageable in said slot, the opposite ends of said clamping cylinder on one edge of the split thereof being outturned to facilitate the removal of said clamping cylinder from said member, said member being formed with a recess at the ends of said slot to facilitate the insertion of a removing element beneath said outturned ends.

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The following references are of record in the file of this patent:

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