

No. 677,598.

Patented July 2, 1901.

W. H. ROBINSON.

SAND BAND.

(Application filed Sept. 12, 1900.)

(No Model.)

Fig. 1.

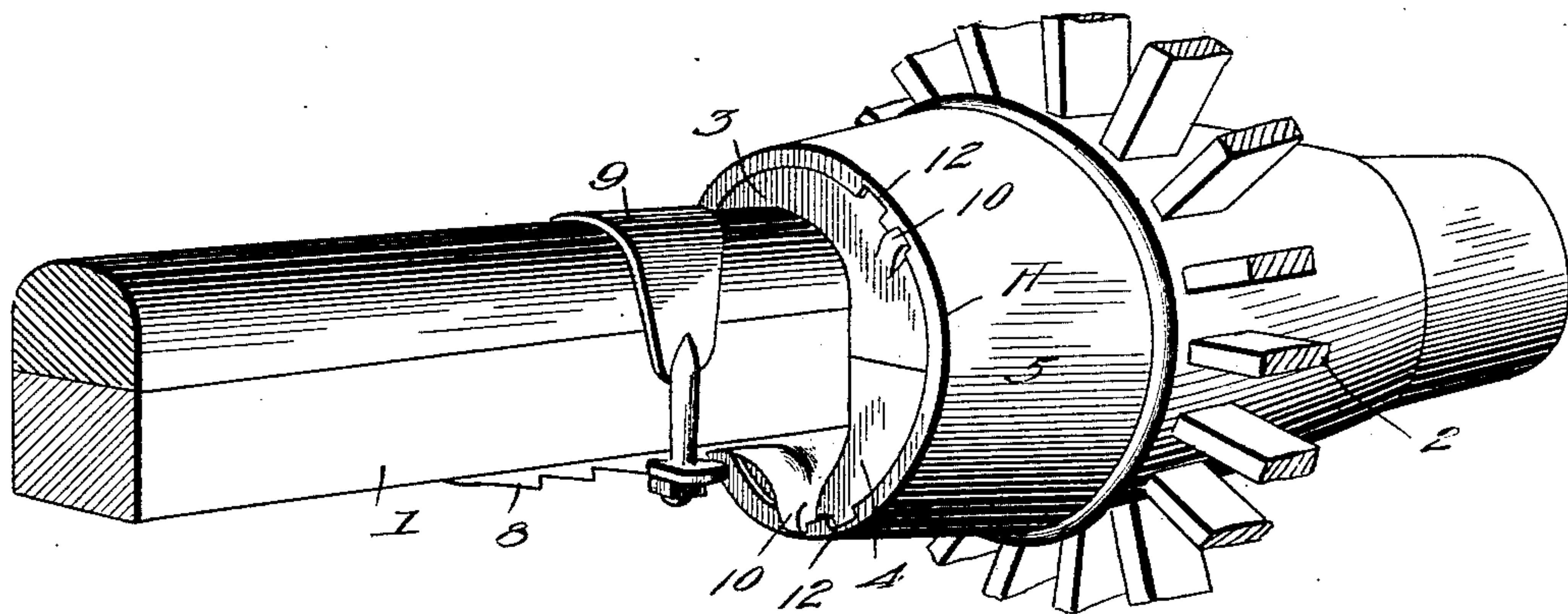


Fig. 2.

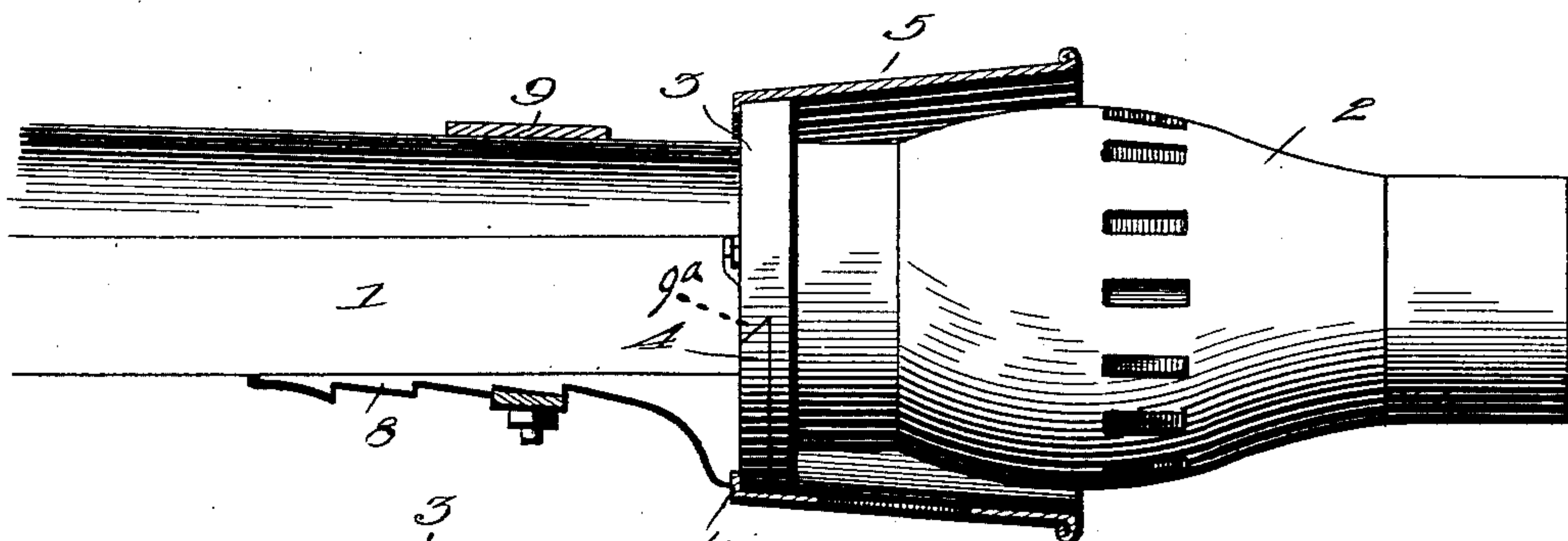
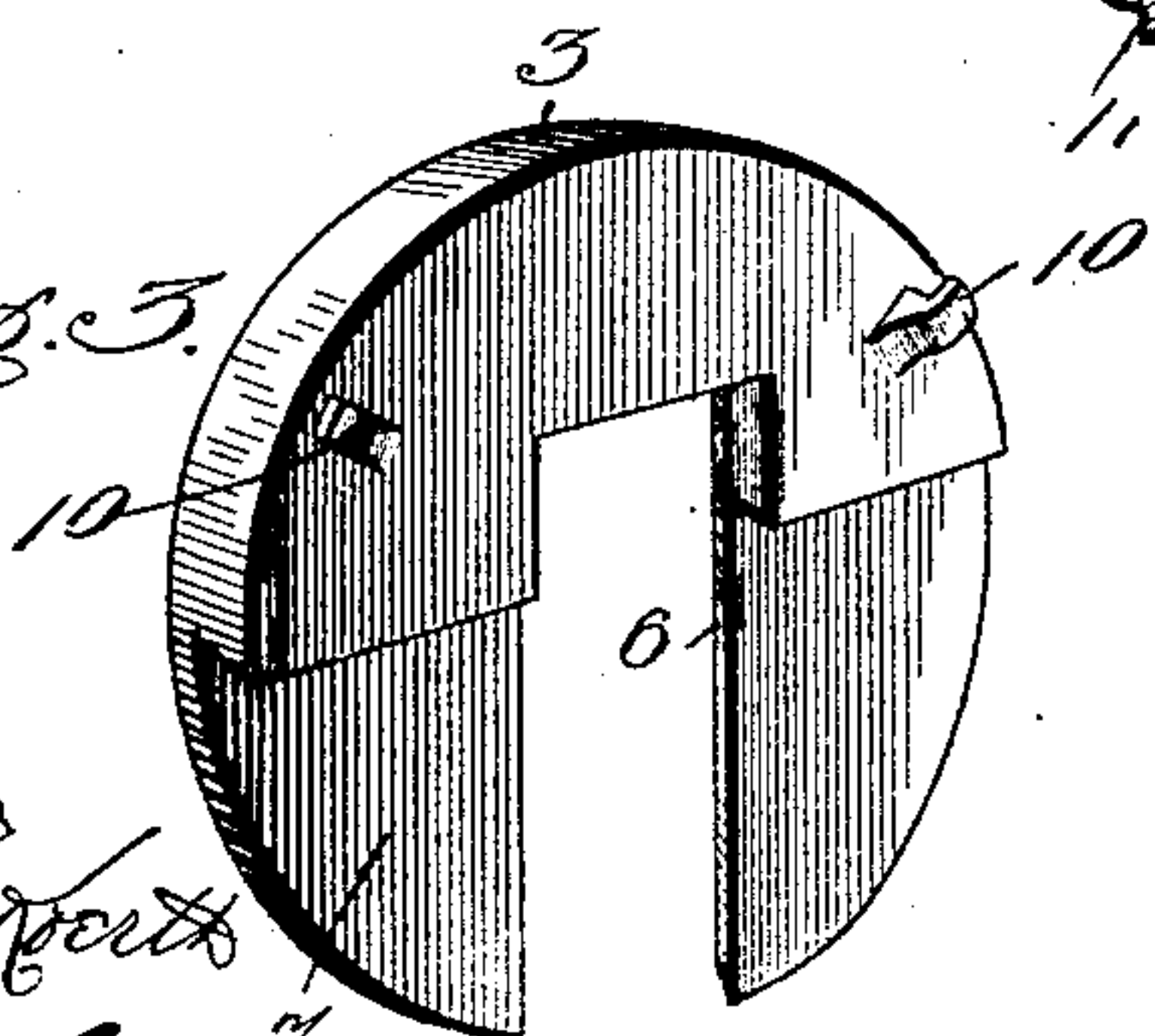
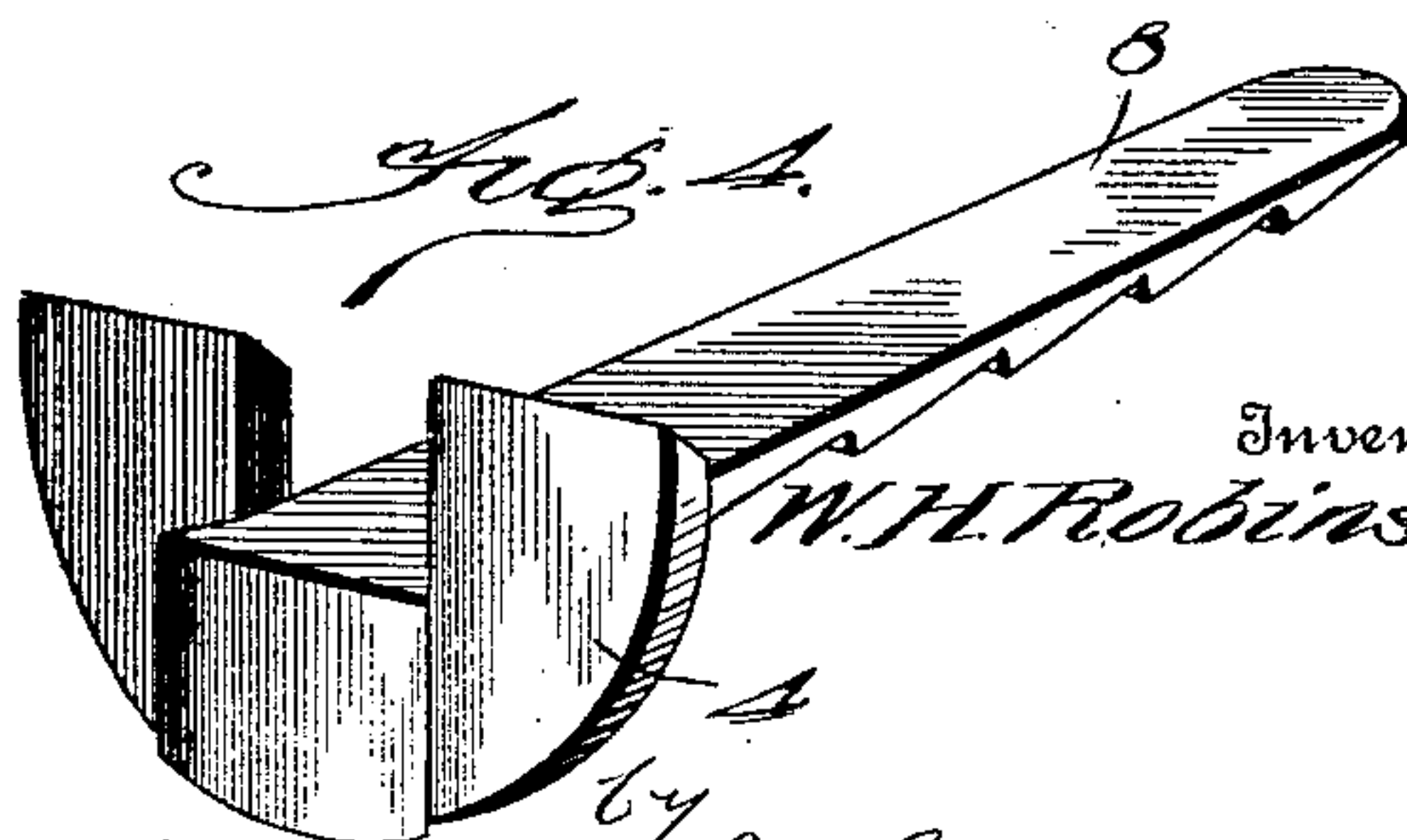


Fig. 3.



Witnesses
[Signature]
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Fig. 4.



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UNITED STATES PATENT OFFICE.

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SAND-BAND.

SPECIFICATION forming part of Letters Patent No. 677,598, dated July 2, 1901.

Application filed September 12, 1900. Serial No. 29,847. (No model.)

To all whom it may concern:

Be it known that I, WARREN H. ROBINSON, a citizen of the United States, residing at Keene Valley, in the county of Essex and State of New York, have invented new and useful Improvements in Sand-Bands, of which the following is a specification.

This invention relates to sand and dust guards for vehicle-wheels; and the primary object thereof is to provide a cheap, simple, and durable device of the character described which will effectually perform the functions for which it is intended.

With this object in view the invention consists in the particular details of construction and combination of parts, all of which will be fully described hereinafter, illustrated in the accompanying drawings, and the novel features defined in the appended claims.

Figure 1 is a perspective view of a portion of an axle and a hub to which my invention has been applied. Fig. 2 is a side elevation of the same, in which the conical sleeve is shown in section; and Figs. 3 and 4 are detail perspective views of the two sections of the disk which carries the casing.

Referring now to the drawings by reference-numerals, 1 designates an axle, and 2 the hub thereon. A disk comprising two sections or members (designated by the reference-numerals 3 and 4) is secured to the axle 1 and carries the conical casing 5. The disk-section 3 is provided with an elongated slot 6, so as to permit the same to fit over the axle-tree and over the axle 1. A cut-away portion 7 is provided for about half the area of the section 3, so as to accommodate the semicircular disk-section 4, which is held in engagement therewith by means of a rearwardly-projecting arm 8, which lies adjacent to the under side of the axle and is held in proper position by a clip 9. The sections of the two-part disk are also held in vertical alinement by means of interlocking groove and flange, as shown at 9^a and indicated in Figs. 3 and 4 of the drawings. Lugs 10 are arranged on the rear side of the respective disks 3 and 4, near the peripheries thereof, and project outwardly for the purpose of engaging the inwardly-projecting flange 11 on one end of the casing 5. This flange has a number of slots 12 around its periphery, which fit over the lugs

10 when the parts are being assembled, and by turning said casing so as to throw the slots out of alinement with the lugs the lugs will bear against the flange of the casing and the casing will be firmly held in place. It will thus be seen that all foreign matter, such as dust and sand, will be excluded from intermingling with the lubricant on the axle and within the axle-box. Hence it will not be necessary to reline the axle-box as often as if this device were not used.

While I have shown the preferred form of my invention, I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make all such changes as fairly fall within the scope of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a sand-band for the hubs of vehicles, the combination with the axle and the hub, of a two-part disk mounted on the axle and interlocking with each other, and formed with locking-lugs on their exposed faces, and a conical casing to inclose the inner portion of the hub and formed with an inwardly-directed vertical flange having notches therein to pass over the lugs on the disks, whereby the casing may be turned and locked in position by the lugs, substantially as described.

2. In a sand-band for vehicle-hubs, the combination with the axle and the hub, of a disk or plate having an open-end slot to engage over the axle and having a cut-away portion 7, a disk or plate 4, formed with a central slot to seat over the axle and an arm 8 adapted to be secured to the axle, and both sections of the disks being provided with locking-lugs 10, and a conical casing reaching about the inner portion of the hub, and formed with an inward annular flange having notches to permit the passage of the lugs on the disks, whereby the casing may be turned and locked in position by the lugs on the disks substantially as described.

3. In a sand-band for vehicle-hubs, the combination with the axle and hub, of a disk 3 formed with a vertical open-end slot 6, and a cut-away portion 7, having an overhanging

flange at its upper end, and locking-lugs 10,
a second disk-section 4, formed to set about
the axle from the under side and having an
inclined upper edge to engage the overhang-
5 ing flange of the other disk-section and hav-
ing an arm 8 secured to the axle, and lock-
ing-lugs, and a conical casing arranged on
the inner portion of the hub and formed with
an inward-directed annular flange having
10 notches for the passage of the lugs on the

disk-sections, whereby the casing may be
turned and the locking-lugs thereby lock it
in position, substantially as described.

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

WARREN H. ROBINSON.

Witnesses:

ELI M. CRAWFORD,
J. H. BAILEY.