

D. GOODNOW, Jr.

Dividers.

No. 147,766.

Patented Feb. 24, 1874.

Fig. 4.

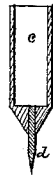


Fig. 1.

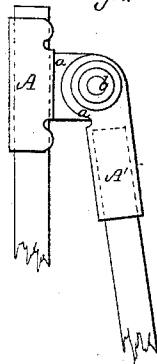


Fig. 2.

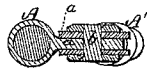
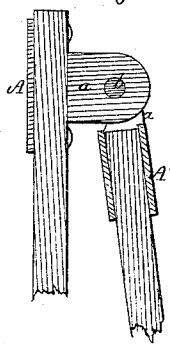


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN DIVIDERS.

Specification forming part of Letters Patent No. **147,766**, dated February 24, 1874; application filed October 20, 1873.

To all whom it may concern:

Be it known that I, DANIEL GOODNOW, JR., of Boston, Suffolk county, Massachusetts, have invented certain Improvements in Dividers, of which the following is a specification:

The purpose of this invention is to provide a means for enabling any person to provide a practical and effective pair of dividers at a moment's notice; and consists in the combination of two socketed or tubular holders, united by a suitable joint, which enables them to diverge from one another, each holder being designed to receive and sustain a lead-pencil, or other equivalent object, which constitutes one leg of the dividers.

The drawings accompanying this specification represent, in Figure 1, an elevation, in Fig. 2, a horizontal section, and in Fig. 3, a vertical section, of a pair of dividers as obtained by my method.

In these drawings, A A' represent two tubular or socketed holders, which are formed of sheet metal bent into a circular form over a mandrel, and preferably composed of spring sheet metal, in order that their inherent elasticity shall be sufficiently powerful to retain a firm hold upon a pencil or other object inserted within them. Each tube or holder is formed with an ear, *a*, which ears are lapped together in a suitable manner, and confined one to the other by a rivet, *b*, the joint in the present instance being a "rule-hinge" practically.

By means of these jointed holders, an effective pair of dividers may be provided by inserting an ordinary lead-pencil into each, the points of the pencils serving as the termination of the legs which the pencils produce.

In many cases, the lead of a pencil, when reduced to a point, would answer all purposes as a pivot about which to describe a circle with the other pencil; but, in many cases, a metallic point may be desired; and, to meet this want, I provide a tubular foot, *c*, as shown in Fig. 4 of the drawings, which terminates in a sharp point or spur, as shown at *d*. This metallic foot may be slipped upon one or both the pencils, and provides an indestructible point to each leg of the dividers. In lieu of lead-pencils, pen-holders or other sticks may be employed to advantage; and a mechanic, or any person in possession of the jointed holders, has the means at hand of obtaining a pair of dividers by providing two sticks to enter such holders.

I claim—

The combination of the socketed or tubular holders A A' to receive lead-pencils, or their equivalents, these holders being pivoted together, and the whole operating substantially as explained.

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Witnesses:

F. CURTIS,

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