

(No Model.)

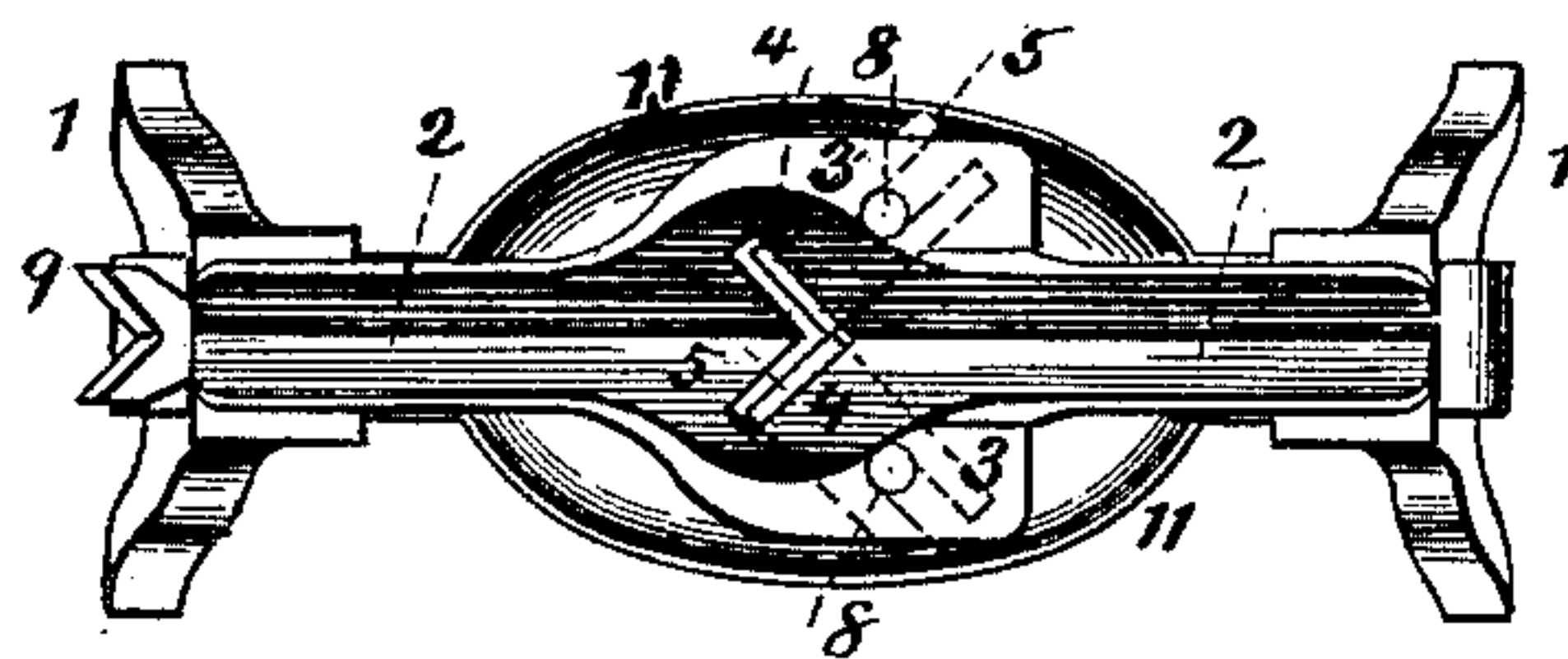
L. P. NORMANDIN.

PENCIL SHARPENER.

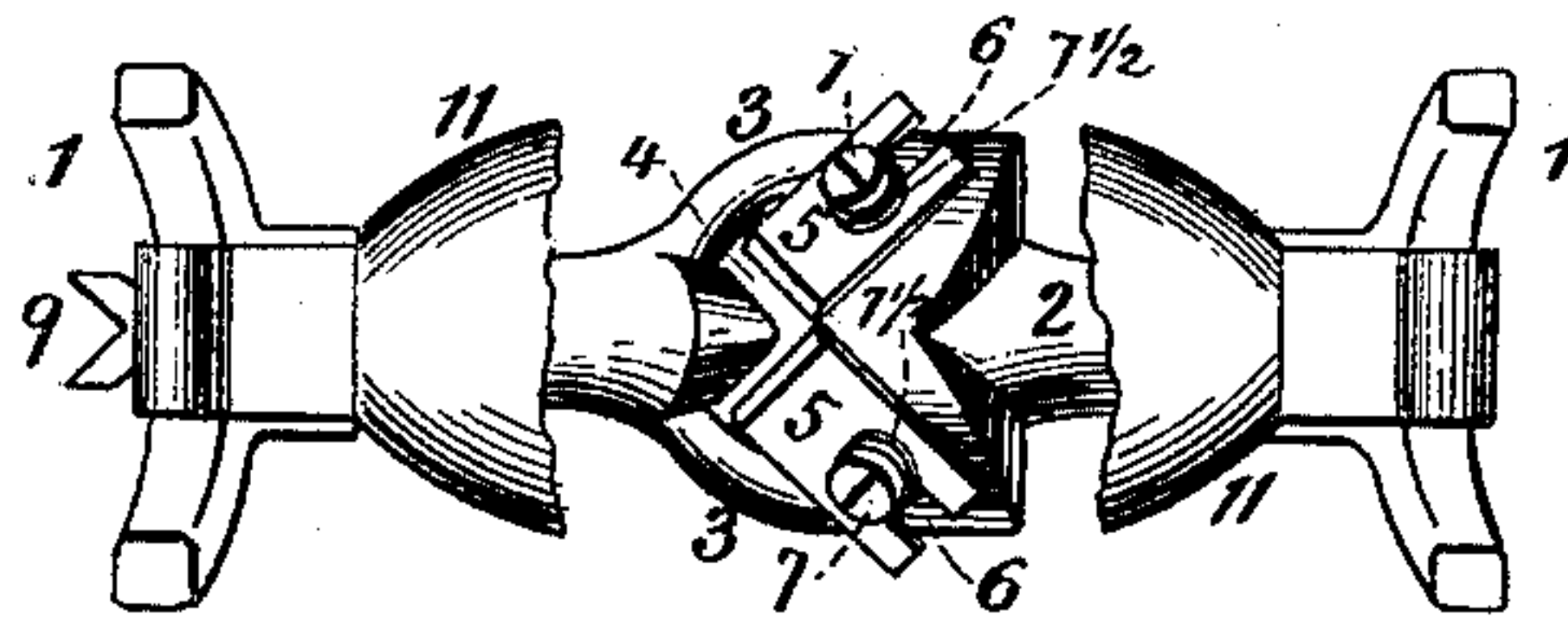
No. 394,002.

Patented Dec. 4, 1888.

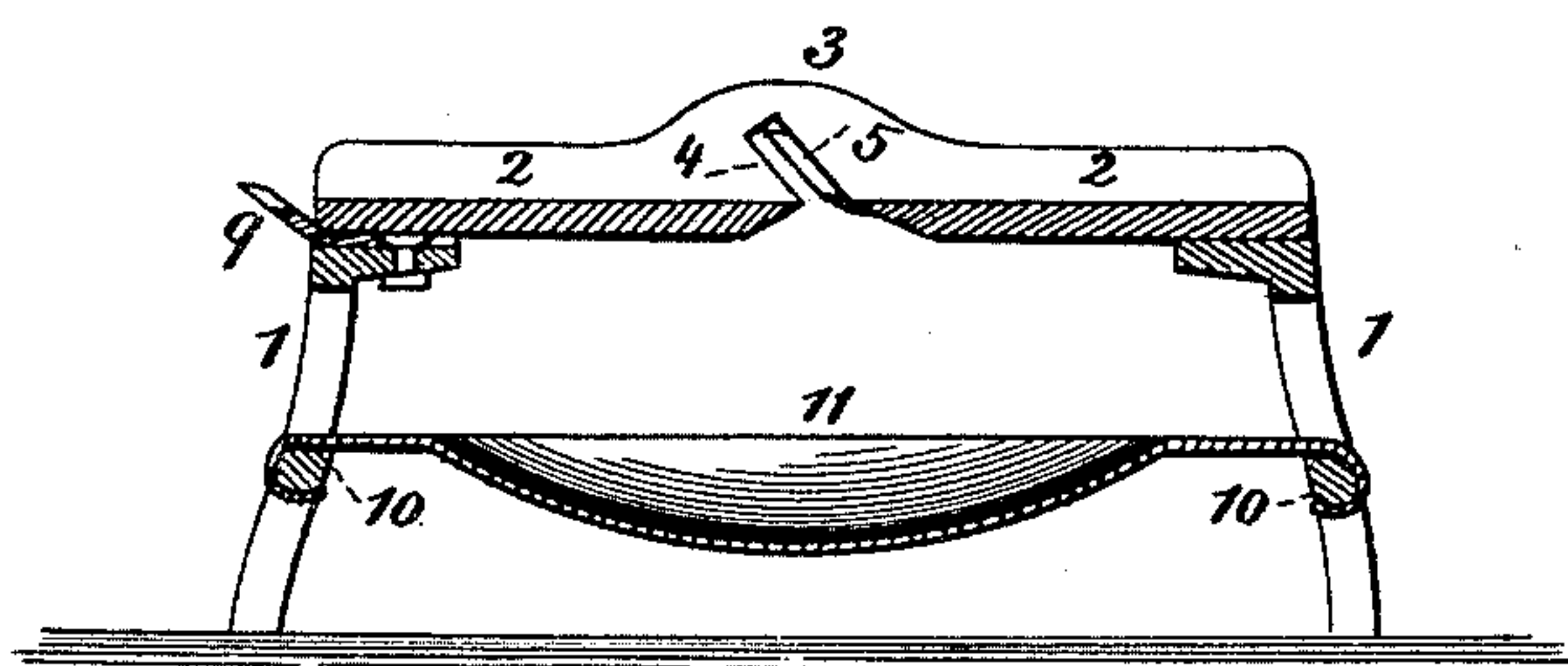
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*  
*A. Rupert.*  
*Phille Masi.*

*Inventor.*  
*L. P. Normandin.*  
*By W. H. Ruff, atty.*

# UNITED STATES PATENT OFFICE.

LEVI P. NORMANDIN, OF BLOOMINGTON, ILLINOIS.

## PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 394,002, dated December 4, 1888.

Application filed August 13, 1888. Serial No. 282,520. (No model.)

*To all whom it may concern:*

Be it known that I, LEVI P. NORMANDIN, of Bloomington, in the county of McLean, and in the State of Illinois, have invented certain  
5 new and useful Improvements in Pencil-Sharpener; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of  
10 reference marked thereon, making a part of this specification.

My invention relates to an improvement in pencil-sharpener, the object of the same being to provide a combined lead and slate pencil sharpener.  
15

A further object is to provide in this connection a groove to receive and guide the pencil.

A further object is to provide a tray to receive the pencil-clippings.  
20

A further object is to provide a device of the above character which shall be simple and economical in construction and durable and efficient in use; and with these ends in view  
25 my invention consists in the certain features of construction and combinations of parts, as will be hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is  
30 an upper plan view of the device. Fig. 2 is a lower plan view, with part of the tray broken away; and Fig. 3 is a longitudinal sectional view.

1 represents the supporting-legs, to which  
35 is secured or formed integral therewith the guide 2, having the sides thereof diverging at a suitable angle, and preferably about eighty degrees.

3 represents the enlarged lugs on the guide  
40 provided with the openings 4, through which

pass the pencil-sharpening blades 5, the rear ends of which are provided with the open slots 6, adapted to receive the screw-threaded bolts 7, passing through the screw-threaded holes 8 in the lugs 3. The washers 7½ may be employed or not, as preferred. 45

From the above it will be seen that the blades may be easily removed for sharpening and adjusted for cutting.

One end of the device is provided with the  
50 forked blade 9, which may be rigidly secured thereto; but I prefer to have the same removably secured, in order that the sharpening thereof may be more convenient in addition to replacing the blade when broken. The  
55 particular object of said blade is to enable slate-pencils to be sharpened thereon, thereby avoiding the probabilities of dulling the edges of the blade 5, which can be used exclusively  
60 for lead-pencils. 60

To the braces 10 is secured the tray 11, adapted to receive the pencil-clippings.

Having fully described my invention, what I claim as new, and desire to secure by Letters  
65 Patent, is— 65

In a pencil-sharpener, the combination, with a guide having two diverging sides provided with openings at suitable angles, of adjustable blades adapted to enter said openings, a  
70 forked blade on one end of the guide, and a tray beneath the guide, substantially as shown and described. 70

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of August, 1888.

LEVI P. NORMANDIN.

Witnesses:

THOS. SLADE,  
E. M. HAMILTON.