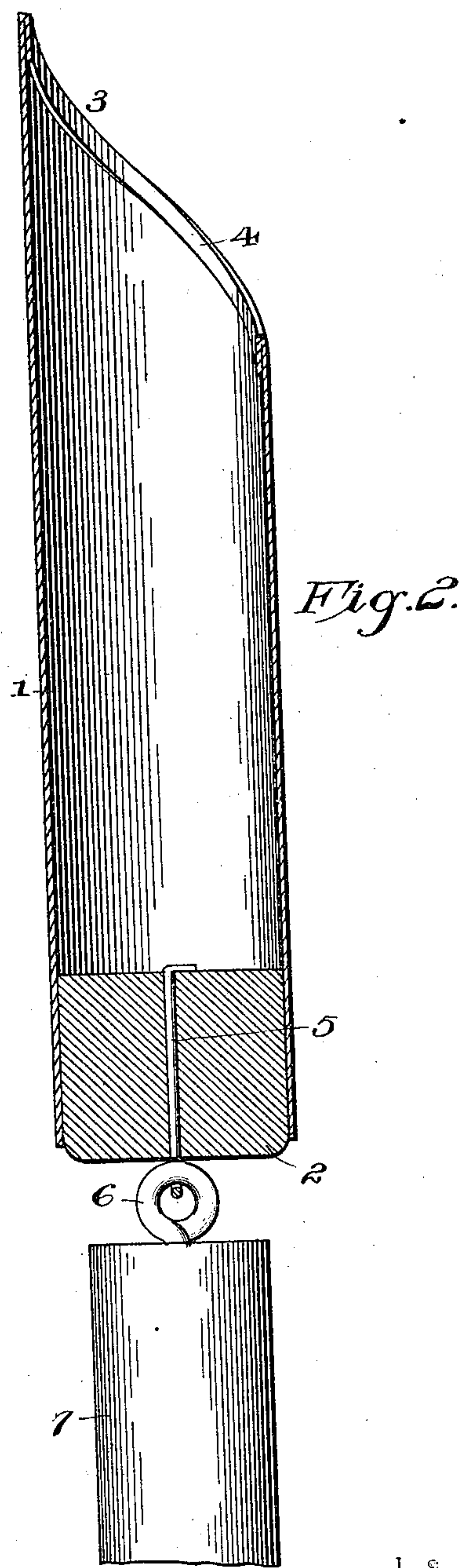
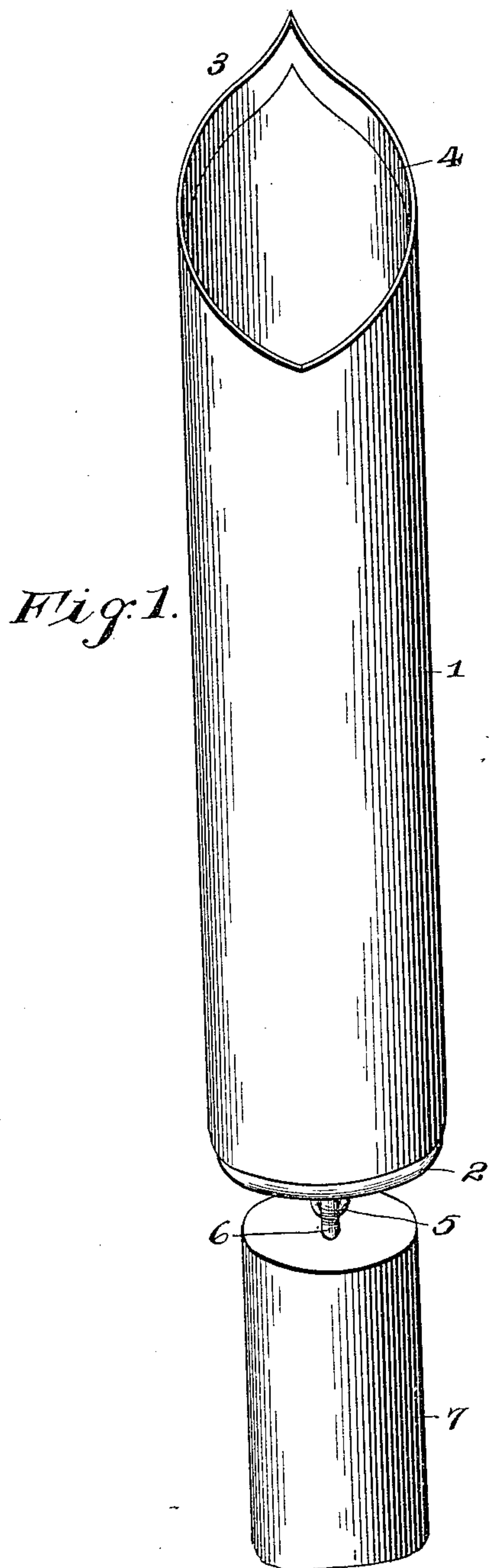


(No Model.)

D. P. ALLEN.  
CHARGER.

No. 528,843

Patented Nov. 6, 1894.



Inventor

David P. Allen,

Witnesses

*C. A. Ford*  
*N. W. Riley*

By *his* Attorneys.

*C. A. Snow & Co.*

# UNITED STATES PATENT OFFICE.

DAVID PRICHARD ALLEN, OF BEACON, IOWA.

## CHARGER.

SPECIFICATION forming part of Letters Patent No. 528,843, dated November 6, 1894.

Application filed June 13, 1893. Serial No. 477,450. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID PRICHARD ALLEN, a citizen of the United States, residing at Beacon, in the county of Mahaska and State of Iowa, have invented a new and useful Charger, of which the following is a specification.

The invention relates to improvements in chargers for supplying powder to drill holes for blasting.

The object of the present invention is to provide a simple and inexpensive charger, adapted to be readily and conveniently handled for supplying powder to drill holes for blasting.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings—Figure 1 is a perspective view of a charger constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same.

Like numerals of reference indicate corresponding parts in both the figures of the drawings.

1 designates a tubular receptacle, constructed of sheet metal and provided at its inner or lower end with a plug 2 of wood or other suitable material forming a bottom for the receptacle. The upper end of the receptacle is cut at an angle or beveled to form a tapering spoon-like extension 3, adapted for directing blasting powder into drill holes to enable the blasting powder to be readily handled and poured into the hole without spilling or wasting it. The upper edge of the receptacle is strengthened and thickened at 4 by bending the sheet metal, forming the

receptacle, on its inner face, thereby preserving the shape of the upper end of the receptacle, and preventing the same becoming bent or twisted out of shape. The receptacle has connected to its bottom by a staple 5 and a screw-eye 6 a handle 7, which by being loosely and hingedly connected with the receptacle enables the latter to be firmly and safely held, and at the same time tilted to direct its contents into a drill hole. The sides of the staple are passed through the wooden bottom or plug of the receptacle and clinched on the upper face of the same, and the screw-eye is inserted into the upper end of the handle, which is preferably constructed of wood.

It will be seen that the charger is simple and inexpensive in construction, and is adapted to enable powder to be readily handled and poured into drill holes for blasting without waste.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

A charger comprising a receptacle constructed of sheet metal and having a wooden bottom and provided with tapering inclined upper edges forming a projecting portion, a handle, and a staple and screw eye loosely hinging the handle to the bottom of the receptacle, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DAVID PRICHARD ALLEN.

Witnesses:

DANIEL J. MORRIS,  
EDWIN PERRY.