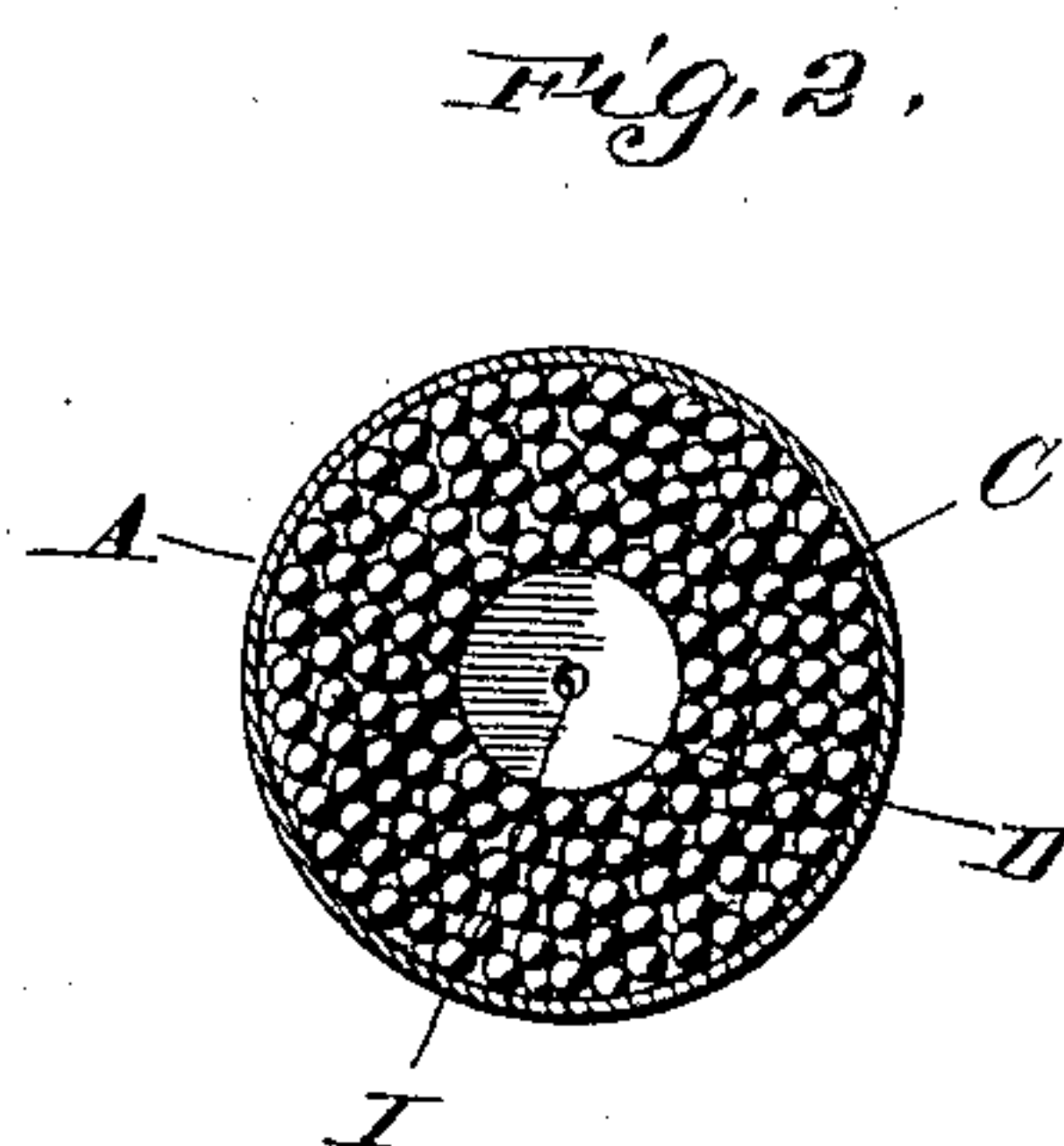
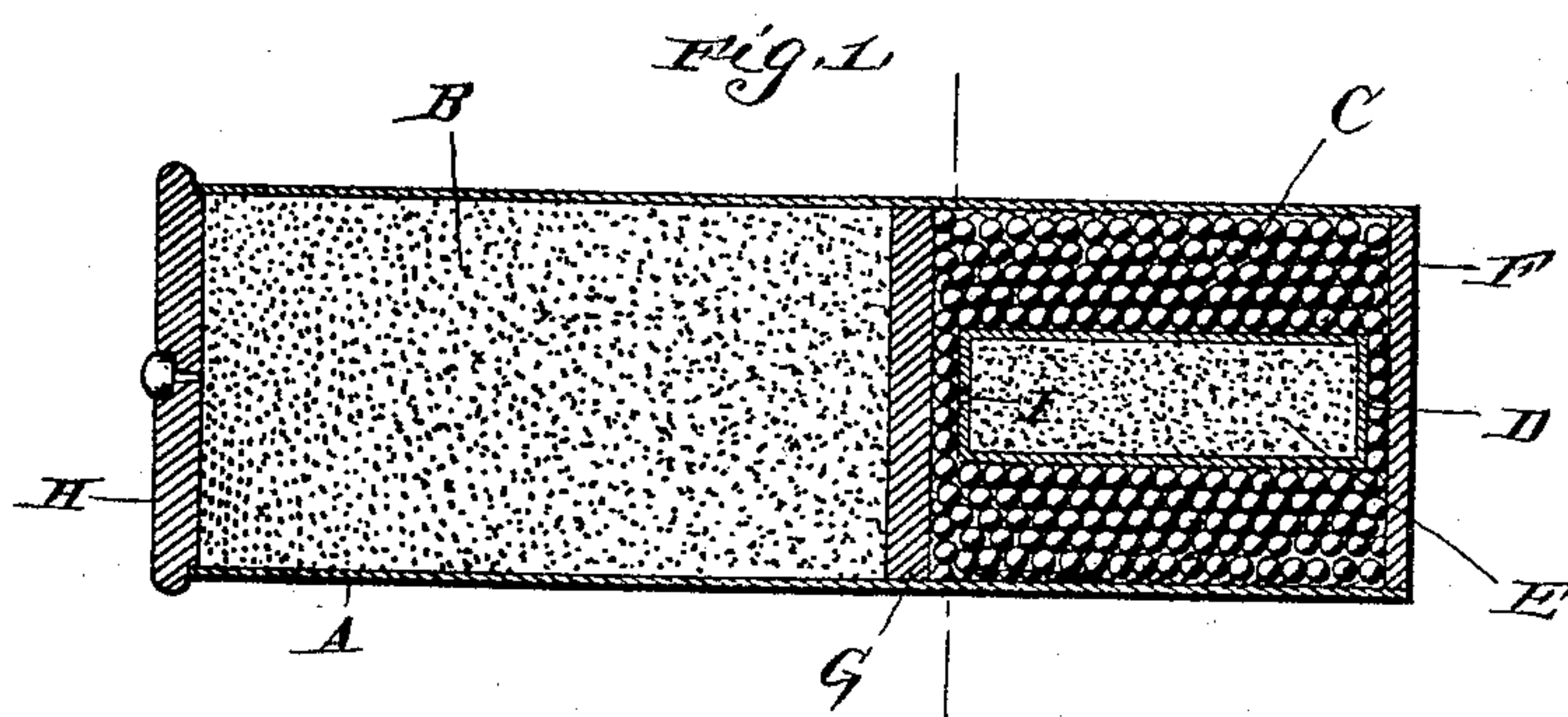


(No Model.)

J. N. HALL.
SHOT SPREADER FOR FIREARMS.

No. 497,874.

Patented May 23, 1893.



Witnesses:
Hugh D. Cuyler
David B. Davis

Inventor:
Josiah W. Hall.

UNITED STATES PATENT OFFICE.

JOSIAH N. HALL, OF STERLING, COLORADO.

SHOT-SPREADER FOR FIREARMS.

SPECIFICATION forming part of Letters Patent No. 497,874, dated May 23, 1893.

Application filed February 29, 1892. Serial No. 423,317. (No model.)

To all whom it may concern:

Be it known that I, JOSIAH N. HALL, a citizen of the United States, residing at Sterling, in the county of Logan and State of Colorado, have invented a new and useful Appliance for Spreading Shot, to be called the Uniform Shot-Spreader, of which the following is a specification.

My invention is for the purpose of causing shot incased in a cartridge or otherwise used in fixed ammunition, to be spread uniformly in all directions immediately upon leaving the muzzle of a gun, at a greater angle than it otherwise would, and regardless of the choke of the gun-barrel.

The improvement consists in the placing of a receptacle made of paper, gelatine, tin, or other firm material, containing powder or other explosive, in the center of a charge of shot previously placed in a cartridge case over powder and wad in the usual manner, the receptacle having an orifice or minute opening at the end or side, so that the flame from the burning explosive used in firing the charge will ignite the explosive used in the receptacle, causing a second explosion, thereby spreading the shot uniformly over a greater surface than it would otherwise cover. I attain this object by the appliance shown in the accompanying drawings.

Figure 1 represents the cartridge case or fixed ammunition bisected longitudinally. "A" represents the outside of the cartridge

case. "B" represents the powder in the cartridge case, and "C" represents the shot in the same. "D" represents the receptacle. "E" represents the powder in the receptacle. "F" represents the top wad of the cartridge case, "G" the wad between the powder and the shot, and "H" the base of the cartridge case, and "I" the orifice or small opening in the receptacle through which the flame is admitted to explode the receptacle.

Fig. 2 represents the cartridge case or fixed ammunition bisected transversely immediately above the wad lettered "G" in Fig. 1. "A" represents the outside shell of the cartridge case, "C" the shot in the shell, "D" the lower end of the receptacle, and "I" the orifice or small opening in the receptacle through which the flame is admitted to explode the receptacle.

The size of the receptacle and the charge of explosive it contains, depend upon the amount of shot to be spread.

I claim—

A cartridge having a charge of powder in its rear part, and a perforated can, of less diameter than the cartridge, containing powder in its front part, and a charge of shot surrounding said can, substantially as set forth.

JOSIAH N. HALL.

Witnesses:

DAVID B. DAVIS,
HUGH D. AYRES.