

No. 733,895.

PATENTED JULY 14, 1903.

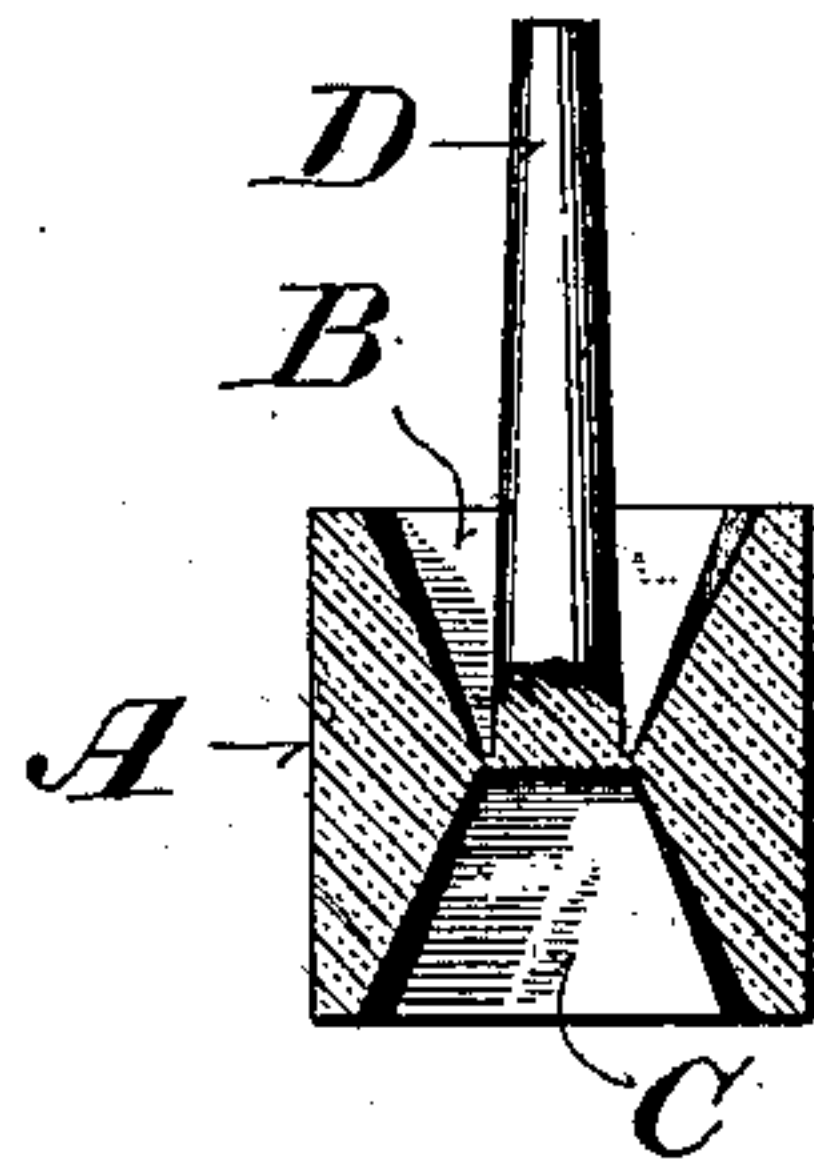
I. BAAS.

PROCESS OF MAKING PRINTERS' METAL FURNITURE.

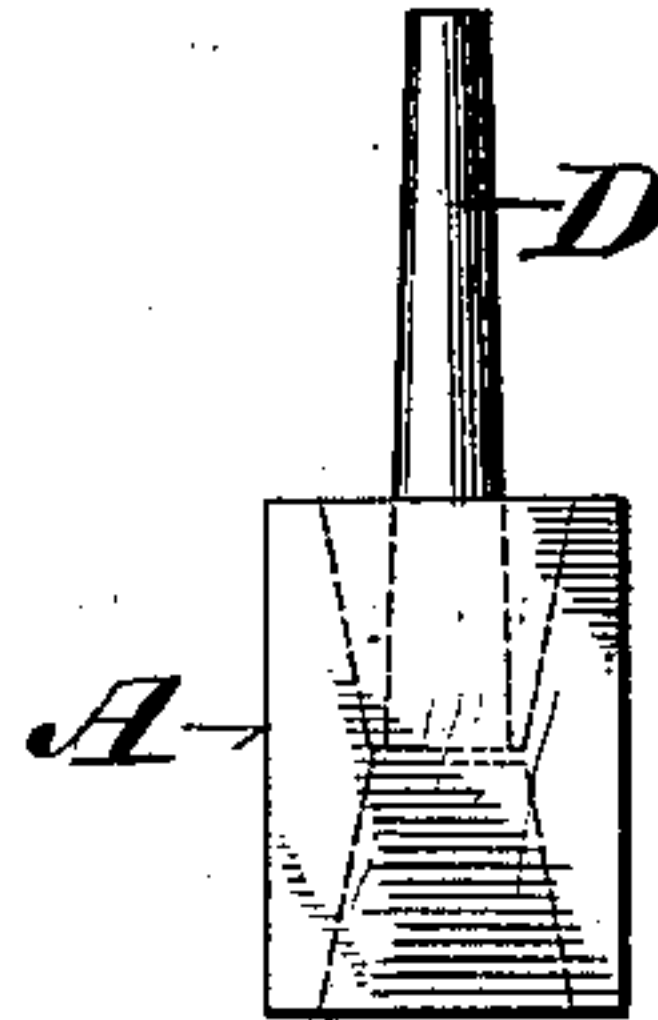
APPLICATION FILED NOV. 15, 1899.

NO MODEL.

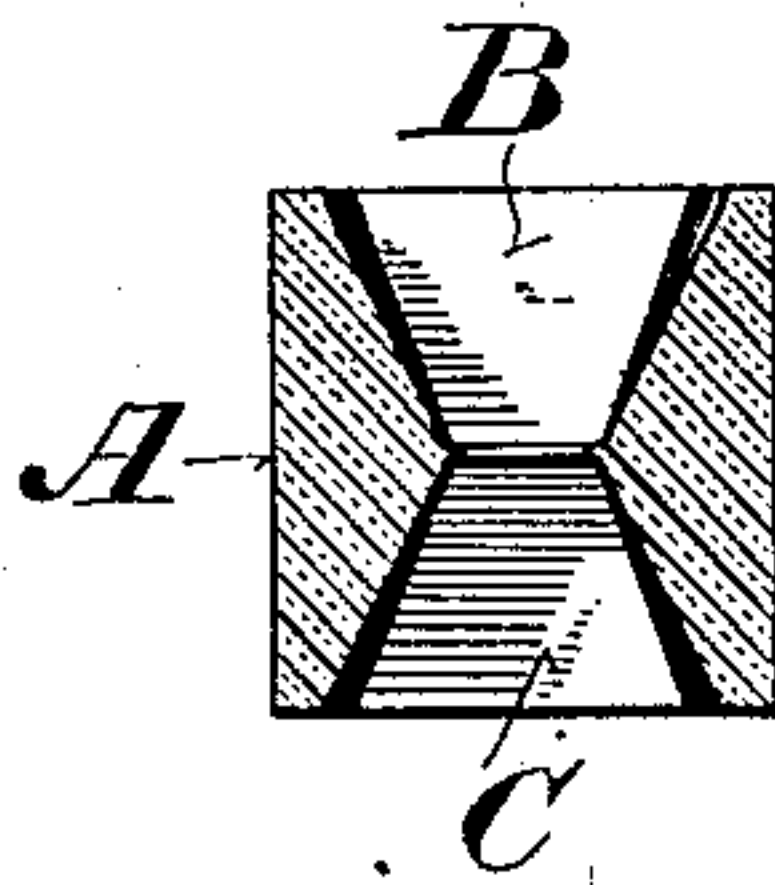
*Fig. 1.*



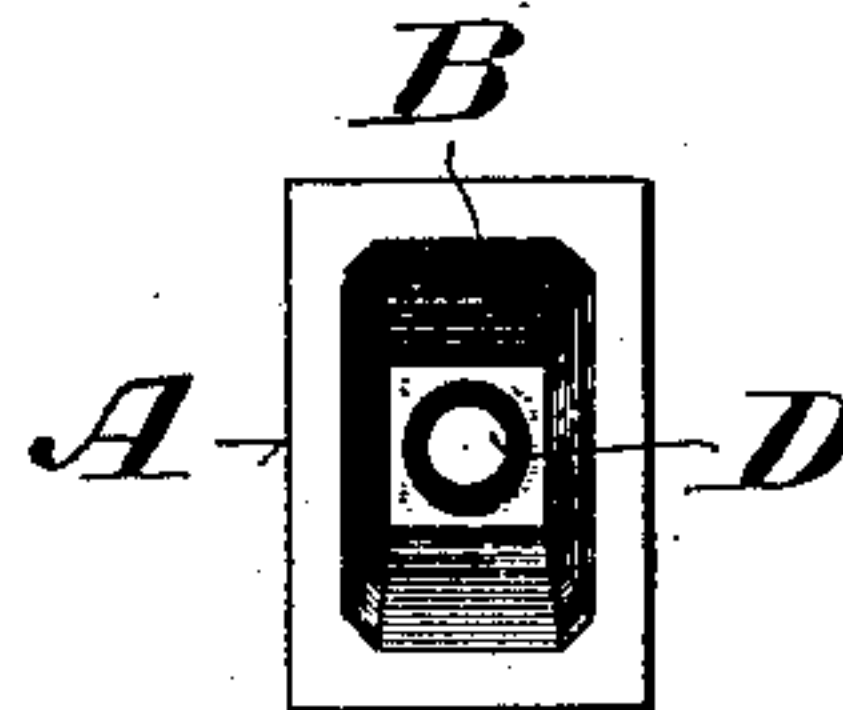
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:

Geo. W. Young

Chas. L. Goss.

Inventor:

Isaac Baas,

By  
Timothy Plancher, Frank Rottman, Elias  
Morreys.

# UNITED STATES PATENT OFFICE.

ISAAC BAAS, OF NEWARK, NEW JERSEY, ASSIGNOR TO AMERICAN TYPE  
FOUNDER'S COMPANY, A CORPORATION OF NEW JERSEY.

## PROCESS OF MAKING PRINTERS' METAL FURNITURE.

SPECIFICATION forming part of Letters Patent No. 733,895, dated July 14, 1903.

Original application filed July 5, 1898, Serial No. 685,083. Divided and this application filed November 15, 1899. Serial  
No. 737,013. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC BAAS, a citizen of  
the United States, residing at Newark, in the  
county of Essex and State of New Jersey, have  
invented certain new and useful Improve-  
ments in Processes of Making Printers' Metal  
Furniture, of which the following is a speci-  
fication, reference being had to the accom-  
panying drawings, forming a part thereof.

The main objects of my invention are in  
the manufacture of printers' metal furniture  
to avoid dressing or finishing the furniture  
for the purpose of removing the bur left by  
breaking off the jets and of forming feet for  
the furniture to stand squarely upon, to form  
drain-holes through the bodies of the furni-  
ture by simply driving or breaking the jets  
therefrom, to more advantageously distribute  
the metal for resisting strain, and to reduce  
the cost of manufacture.

It consists in the process of making metal  
furniture of this class, as hereinafter particu-  
larly described, and pointed out in the claims.

In the accompanying drawings like letters  
designate the same parts in the several fig-  
ures.

Figures 1 to 4, inclusive, show a piece of  
metal furniture made in accordance with my  
invention, Fig. 1 being a vertical running-  
wise section, Fig. 2 a bodywise elevation in-  
cluding the jet, Fig. 3 a runningwise section  
without the jet, and Fig. 4 a plan view with  
the jet.

A designates the body of a piece of metal  
furniture constructed in accordance with my  
invention. It is formed in the ends with ta-  
pering cavities B and C, which increase in  
size toward the ends of the body, thus leav-  
ing the walls of the body thickest about mid-  
way between its ends. In this way the metal  
is best disposed to resist compression and pre-  
vent crushing of the furniture.

Primarily the furniture is cast with a jet  
D, which is connected with the interior walls

of the body between its cavities B and C by  
a thin fragile partition, as shown in Figs. 1,  
2, and 3. After the furniture has been re-  
moved from the mold in which it is cast the  
jet D is broken off or driven out, thereby re-  
moving the thin partition by which it is con-  
nected with the body and forming an open-  
ing between the cavities B and C, through  
which the liquid used to wash the forms in  
which such furniture is employed may drain  
off.

From the foregoing description, in connec-  
tion with the drawings, it will be apparent  
that by my improved construction and method  
of casting the metal is distributed to better  
advantage, time, labor, and expense required  
to remove the rough bur left by the jets and  
to form feet on furniture cast in the ordinary  
way are saved, and by simply breaking off or  
driving out the jets drain holes or openings  
are incidentally formed through the bodies.

I claim—

1. The process of making printers' metal  
furniture which consists in casting the furni-  
ture primarily with a jet joined to the body  
by a fragile partition between cavities in the  
ends of the body and then forming a drain-  
hole between said cavities by breaking out  
the jet with said partition, substantially as  
described.

2. The process of making printers' metal  
furniture which consists in casting the furni-  
ture primarily with a jet joined to the body  
by a thin transverse partition between in-  
wardly-converging cavities in the ends of the  
body and then breaking out said partition  
with the jet, leaving a contracted drain-open-  
ing, substantially as described.

In witness whereof I hereto affix my signa-  
ture in presence of two witnesses.

ISAAC BAAS.

Witnesses:

R. V. WALDO,  
L. W. BAEUCHLE.