

June 3, 1963

SUPERSEDING
Fed. Std. No. 187a
September 5, 1962

FEDERAL STANDARD

**IDENTIFICATION OF PRESSED BENDS, FORMS,
SEAMS, AND JOINTS, (SHEET METAL)**

Authority. This standard is issued pursuant to the Federal Property and Administration Services Act of 1949, as amended, and its application to the purchase of commodities referred to herein is mandatory on all Federal agencies.

S1. Purpose and scope. This standard provides uniform illustrated identification of pressed bends, forms, seams, and joints commonly used in furniture, roofing, and other allied sheet-metal industries for the use of all Federal agencies to achieve the highest degree of standardization.

S2. Standard characteristics and item identification. The standard item shall conform to the illustrated nomenclature shown in table I.

S3. Changes. When a Federal agency considers that a Federal Standard does not provide for its essential needs, written request for adding to otherwise changing the standard, supported by adequate justification, shall be sent to the Administration. This justification shall explain wherein the standard does not provide for essential needs. The request shall be sent in duplicate to the General Services Administration, Federal Supply Service, Standardization Division, Washington 25, D. C. The Administration will determine the appropriate action to be taken and will notify the agency.


Fed. Std. No. 187b

TABLE I*

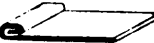
PRESSED BENDS, FORMS, SEAMS, AND JOINTS


1 
90 degree Flange


2 
30 degree Flange

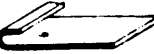
3 
Flat Fold
Crushed Hem
Closed fold

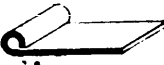
4 
Tear Drop Fold
Tear Drop Hem

5 
Double Hem

6 
Offset
Open Angle Offset

7 
Return Flange
Panel Formed Channel Shape

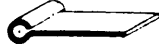
8 
Open Fold
Open Hem
Open Bend

9 
Side Bead'
Closed Curl Off Center

* When more than one name is used for an illustration, the first is the preferred designation.

TABLE I (Contd)

10



Center Bead
Closed Curl on Center

11



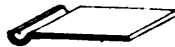
Keyhole Section

12



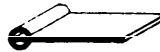
270 degree Coiled Bend

13



Half Bead
Half Curl

14



Split bead
Split Curl.

15



Square Split Bead

16



Radius Form

17



Hat Section
Square Hat Channel

18



Zee Brace

Fed. Std. No. 187b

TABLE I (Contd)

19



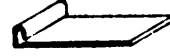
Channel
Square Channel
U-Channel

20



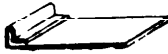
Angle
Equal Leg Angle

21



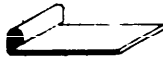
Folded Flange
Return Flange

22



Folded V Form

23



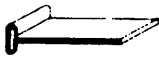
Folded Flange - reinforced

24



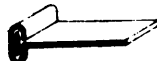
Folded flange &
combined reinforcement

25



Tee

26



Tee reinforced

27



Channel Form and Flanged

TABLE I (Contd)

28



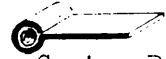
Channel form -
reinforced

29



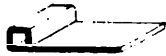
Wire Edge, Side Bead
Wire Edge, closed curl
off center

30



Wire Edge, Center Bead
Wire Edge, closed curl
on center

31



closed Square Bead

32



Box stiffener

33



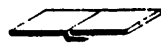
Flush joint

34



Take-down joint

35



Malleated joint

36



Coach or blind joint

Fed. Std. No.187b

TABLE I (Contd)

37



Common lock seam
Hook Seam

38



Clip joint

39



Clip joint

40



Ordinary lap seam
Lap seam

41



Box channel

42



Flush seam
single lock seam

43



Pittsburg lock seam

Single copies of this standard are available without charge at the GSA Regional Offices in Boston, New York, Washington, D. C., Atlanta, Chicago, Kansas City, Mo., Dallas, Denver, San Francisco, and Auburn, Wash. Additional copies may be purchased for 5 cents each from the General Services Administration, Business Service Center, Washington 25, D. C.