CANCELLED

NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/4D/62

This is to certify that the pattern and variants of the

Bizerba Weighing Instrument OP 10e 1000

submitted by Globus-Bizerba Pty Ltd,
150-152 Edinburgh Road,
Marrickville, New South Wales, 2204,

have been approved under the Weights and Measures (Patterns of Instruments) Regulations as being suitable for use for trade.

Date of Approval of Pattern: 25/7/75

. weighing instrument of 9,95 kg by 0,005 kg capacity.

Variation No 1: approved 23/12/75

. with a taring device and an analogue mass indicator;
. as a prepackaging instrument with a C420 or C431 label printer;
. with or without automatic price and unit-price checking circuits.

Variation No 2: approved 7/7/77

. with an optical analogue mass indicator;
. with a data output socket.

Variation No 3: approved 27/6/79

. the retail counter instrument with a Bizerba C420 or C431 ticket printer printing mass, unit price and price, or printing price only.

The pattern and variants are described in Technical Schedule No 6/4D/62 and Variations Nos 1, 2 and 3 issued on 26/8/75, 29/4/76, 22/7/77 and 18/7/79, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1/8/80.

18/7/79

.../2

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/4D/62".

This Certificate replaces those Certificates issued on 26/8/75, 29/4/76 and 22/7/77, which may be destroyed.

Signed

Executive Officer

18/7/79

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/62

Pattern: Bizerba OP10e 1000 Weighing Instrument

Submittor: Globus-Bizerba Pty Ltd,
150-152 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval: 25 July 1975

Condition of Approval:

All instruments conforming to this approval shall be marked "NSC No 6/4D/62".

Description:

The pattern (see Figures 1 and 2) is a self-indicating price-computing weighing instrument of maximum capacity 9,995 kg by 0,005-kg graduations, indicating in digital form the weight, unit price and total price on both the vendor's side and the purchaser's side. The unit price is selected by means of ten push-buttons, and is cleared by a push-button marked "C".

The weighing unit (see Figure 3) consists of a parallel-link-stayed load receptor, a main lever, and a double-pendulum-resistant mechanism. A transparent graticule with a digital weight code is mounted on one pendulum. An optical-projection system transmits the digital weight code to photo-electric cells which provide a coded weight signal to the computer, where it is multiplied by the unit-price signal from the keyboard to indicate the total price.

An automatic monitor circuit will cause all digital indications to blank out whenever the unit price entered into the computer is not the same as that selected. The operation of this circuit is checked by means of a test button located under the side of the instrument. When the test button is pressed, all displays will blank out if the automatic monitor circuit is operating. Pressing the "C" button will reinstate the weight

information and allow the unit price to be re-entered from the keyboard.

The instrument is fitted with a level indicator and three adjustable feet. Adjacent to the level indicator is a notice advising that the instrument must be level when in use. A balance box is located beneath the load receptor.

The instrument is marked adjacent to each weight-reading face:

(III)

Max = 9,995 kg
Min = 0,100 kg
d_d = 0,005 kg

Special Tests:

1. Price-computing and Weight Circuits

   The indication of weight, unit price and total price as listed in Table 1 will indicate that the price-computing and weight circuits are functioning correctly. The exact figures should be indicated as rounding is effected within the computer.

2. Level Sensitivity

   When the instrument is tilted so that the bubble in the level indicator moves 2 mm, the zero should not change by more than 2 graduations, and when zero is reset in the tilted position the instrument should satisfy the weighing-accuracy specification, that is, $\pm \frac{1}{2}$ graduation for the first 500 graduations, and $\pm$ 1 graduation for graduations over 500 and up to 2000.

TABLE 1

Indicated weight kg	Price per kg $	Total price $
0,000	00,00	0,00
0,005	19,99	0,10
0,010	29,98	0,30
0,020	39,97	0,80
0,030	49,96	1,50
0,040	59,95	2,40
0,050	69,94	3,50
0,060	79,93	4,80
0,070	89,92	6,29
0,080	99,91	7,99
0,090	99,81	8,98
0,100	99,71	9,97
0,200	99,63	19,93
0,300	99,50	29,85
0,400	99,40	39,76
0,500	99,30	49,65
0,600	99,23	59,54
0,700	99,16	69,41
0,800	98,99	79,19
0,900	97,99	88,19
1,000	96,99	96,99
2,000	95,99	191,98
3,000	94,99	284,97
4,000	93,99	375,96
5,000	92,99	464,95
6,000	91,99	551,94
7,000	90,99	636,93
8,000	99,99	799,92
9,000	99,99	899,91
9,995	99,99	999,40

Test Specification 9,995-kg Instrument

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/62

VARIATION No 1

Pattern: Bizerba OP10e 1000 Weighing Instrument

Submittor: Globus-Bizerba Pty Ltd,
152 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variation: 23 December 1975

The modifications described in this Schedule apply to the pattern described in Technical Schedule No 6/4D/62 dated 26 August 1975.

All instruments conforming to this approval shall be marked "NSC No 6/4D/62".

Description:

The approved modifications provide for:

1. a taring device of capacity up to 0,160 kg and an analogue weight indicator* graduated to 9,995 kg by 0,005-kg graduations. Selection of any tare greater than 0,25 d_d causes a light marked "Tare" adjacent to the weight indicator to illuminate. The instrument is marked adjacent to the weight indicator, for example:

(III)

Max	=	9,995 kg
Min	=	0,100 kg
d_d	=	0,005 kg
d	=	0,005 kg
T	=	+ 0,100 kg

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* Provides a zero indicator for the digital indicator.

and "not for retail counter use" (see Figure 4).

Weight and price indications are only provided on the operator's side of the instrument.

2. A prepack version of the OP10e 1000 weighing instrument (see Figures 5 and 6). It comprises an OP10e 1000 with an analogue weight indicator* graduated to 9,995 kg by 0,005-kg graduations, an output socket for digital weight, price and unit-price information, and a Bizerba Compulabeler self-adhesive label ticket printer Model C420 or Model C431. Sample tickets are illustrated in Figures 7 and 8. The instrument is marked adjacent to the weight indicator, for example:

(III)

Max	=	9,995 kg
Min	=	0,100 kg
d_d	=	0,005 kg
d	=	0,005 kg
T	=	+ 0,100 kg (only if tare is fitted)

and "not for retail counter use" (see Figure 4).

Weight and price indications are only provided on the operator's side of the instrument.

3. With or without the automatic price and unit-price checking circuits.

* Provides a zero indication for the digital indicator.

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/62

VARIATION No 2

Pattern: Bizerba Weighing Instrument Model OP 10e 1000

Submittor: Globus-Bizerba Pty Ltd,
150-152 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variation: 7 July 1977

The modification described in this Schedule applies to the patterns described in Technical Schedule No 6/4D/62 dated 26 August 1975 and Technical Schedule No 6/4D/62 - Variation No 1 dated 29 April 1976.

All instruments conforming to this approval shall be marked "NSC No 6/4D/62".

Description:

The approved modification provides for an optical analogue weight indicator* on the vendor's side of the instrument, graduated to 9,995 kg by 0,005-kg graduations (see Figure 9) and an output socket which may be used to provide data to peripheral devices which are not a part of the measuring instrument**; these supplementary devices, which may only be provided with the authorisation of the Weights and Measures Authority of the State, may, for example, store and process the data, or print receipts, etc. Provision is made to seal the output socket, or to seal the cable providing data to peripheral devices, to the instrument (see Figure 10). The instrument is marked adjacent to each

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* Provides a zero indication for the digital indicator.

** The measuring instrument examined and approved by the Commission is limited to the devices which determine the value of a physical quantity, control the measurement, and indicate the result of the measurement on a non-permanent visual display, for example, a seven-segment indicator.

weignt reading face, for example:

(III)

Max	=	9,995 kg
Min	=	0,100 kg
$d_i = e$	=	0,005 kg
d = e	=	0,005 kg (on tne vendor's side only)

(see Figures 9 and 11).

Special Tests:

Tne special tests described in Tecnnical Scnedule No 6/4D/62 dated 26 August 1975 apply to tnis approval.

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/62

VARIATION No 3

Pattern: Bizerba Weighing Instrument OP 10e 1000

Submittor: Globus-Bizerba Pty Ltd,
150-152 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variation: 27/6/79

All instruments conforming to this approval shall be marked "NSC No 6/4D/62".

Description of Variant:

A Bizerba OP 10e 1000 retail counter weighing instrument as described in the pattern and in Technical Schedule No 6/4D/62 - Variation No 2, with a Bizerba C420 or C431 ticket printer (Figures 12 and 13). The tickets may be hand-held or adhesive and may be printed with mass, unit price and price as illustrated in Figures 7 and 8, or price only, in which case the ticket may have the word "dollars" printed above or below the price, or the symbol "$" printed before the price. The word "dollars" or the symbol "$" may be either preprinted on the ticket or printed by the printer.

Provision is made to seal the data cable providing the mass, unit-price and price information to the C420 printer (Figure 12); the cable is internally connected within the C431 printer. The other end of the data cable is sealed to the weighing unit, or alternatively the serial number of the printer is sealed to the weighing unit (Figure 14). A Weights and Measures Authority may authorise either method of sealing.

The ticket printer in each case is sealed to prevent access to components the removal or replacement of which could affect the performance of the instrument (Figures 12 and 13).

FIGURE 6/4D/62 - 1

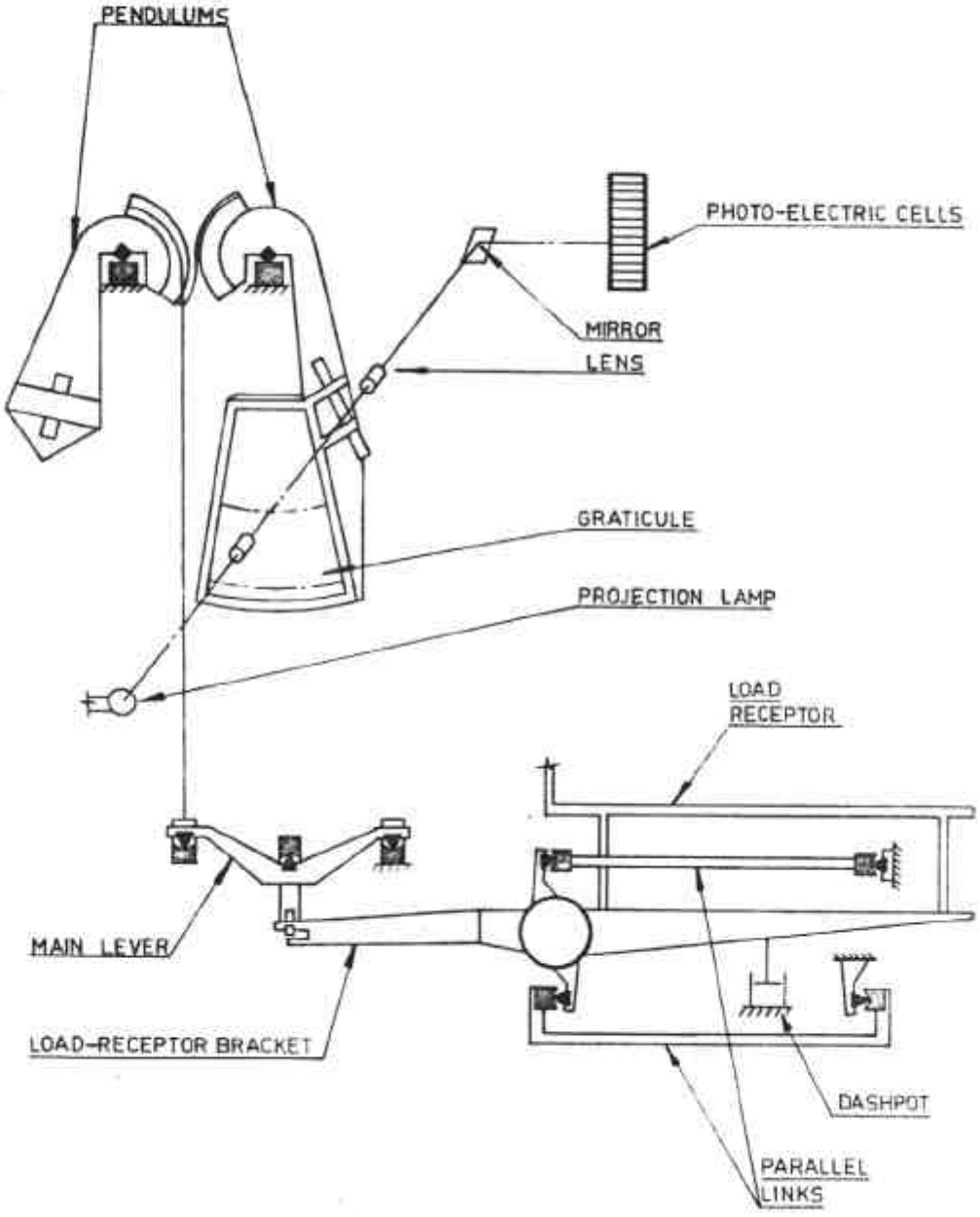
Bizerba OP10e 1000

26/8/75

FIGURE 6/4D/62 - 2

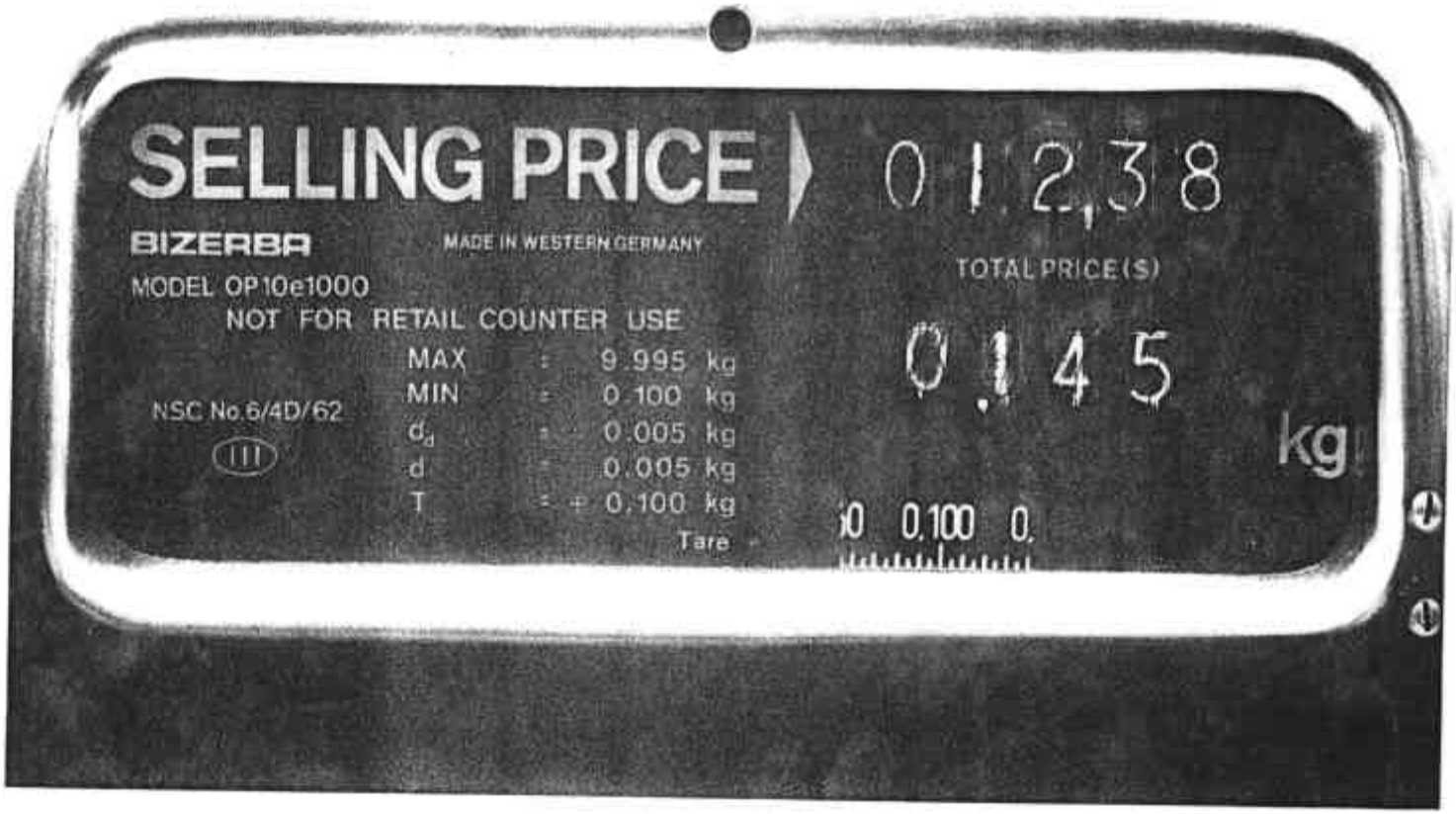
Bizerba OP10e 1000 — Purchaser's Side

FIGURE 6/4D/62 - 3



OP10e 1000 — Schematic Drawing

FIGURE 6/4D/62 - 4



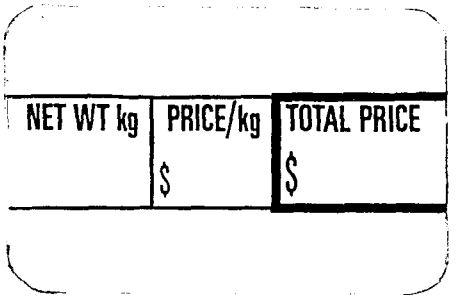
Weight-reading Face with Tare-selection Indicator

FIGURE 6/4D/62 - 5

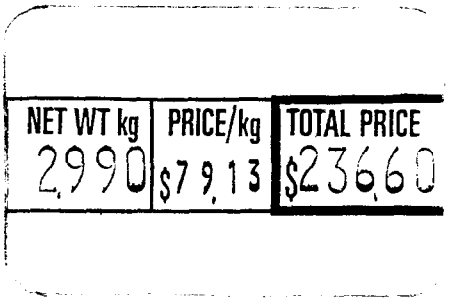
OP10e 1000 Prepack Weighing Instrument with Bizerba Compulabeler C420 Ticket Printer

FIGURE 6/4D/62 - 6

OP10e 1000 Prepack Weighing Instrument with Bizerba Compulabeler C431 Ticket Printer



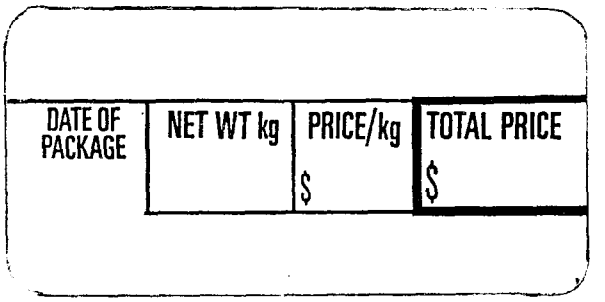
(a) Before printing



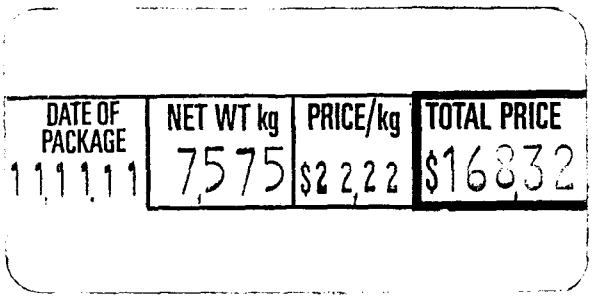
(b) After printing

Bizerba Compulabeler C420 — Sample Ticket (actual size)

FIGURE 6/4D/62 - 8



(a) Before printing

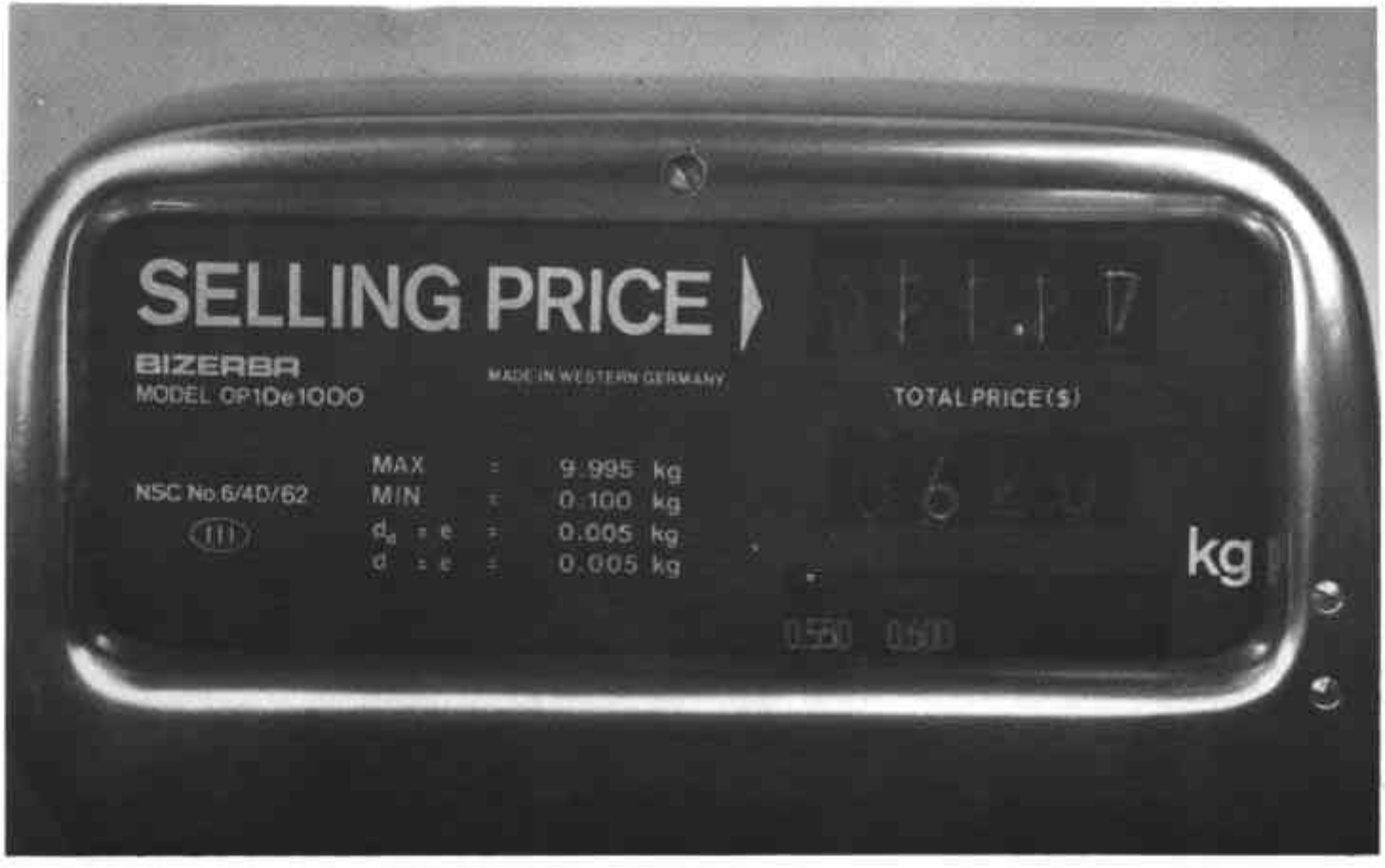


(b) After printing

Bizerba Compulabeler C431 -- Sample Ticket
(actual size)

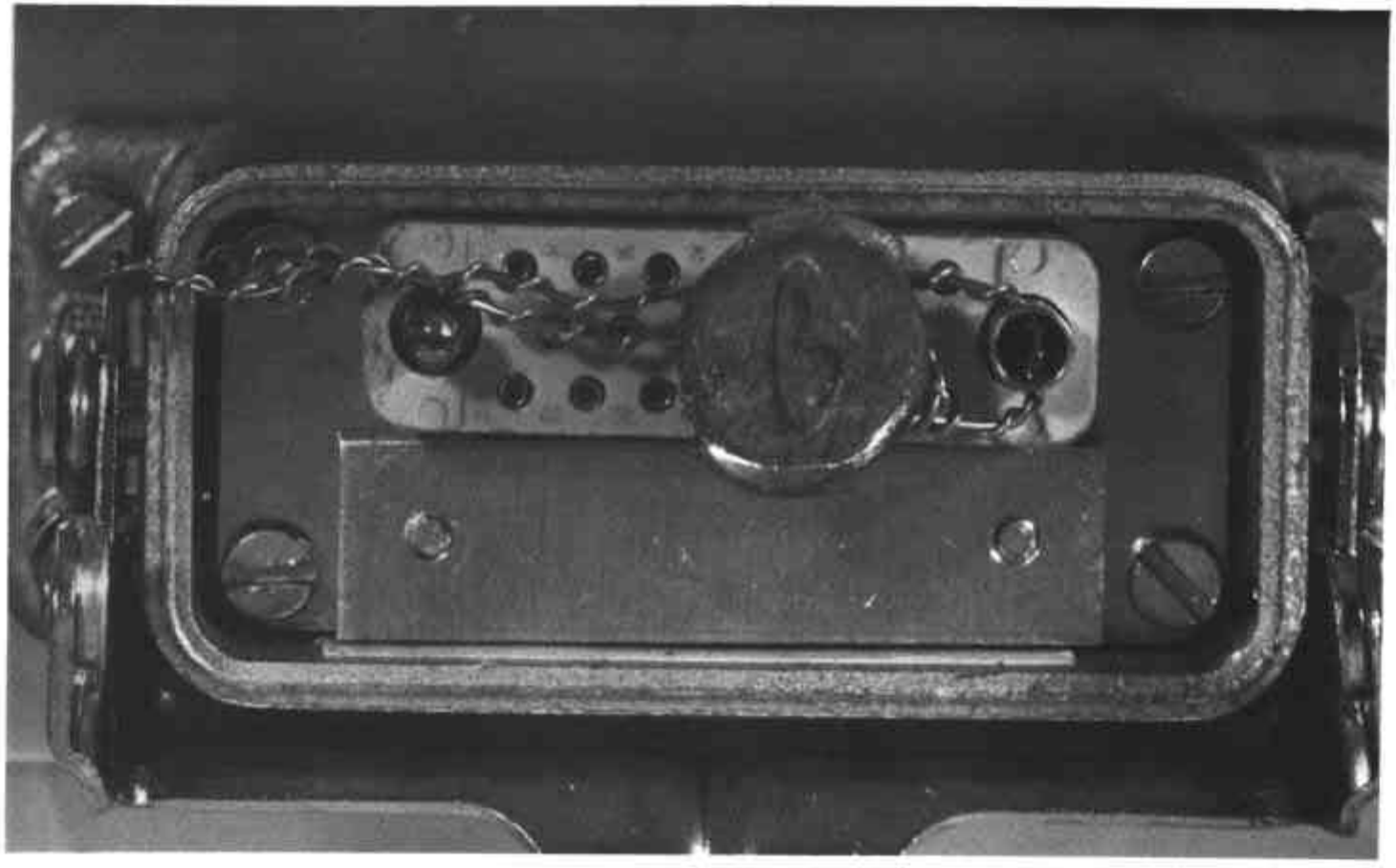
FIGURE 6/4D/62 - 9

22/7/77



Analogue Weight Indicator — Vendor's Side

FIGURE 6/4D/62 - 10

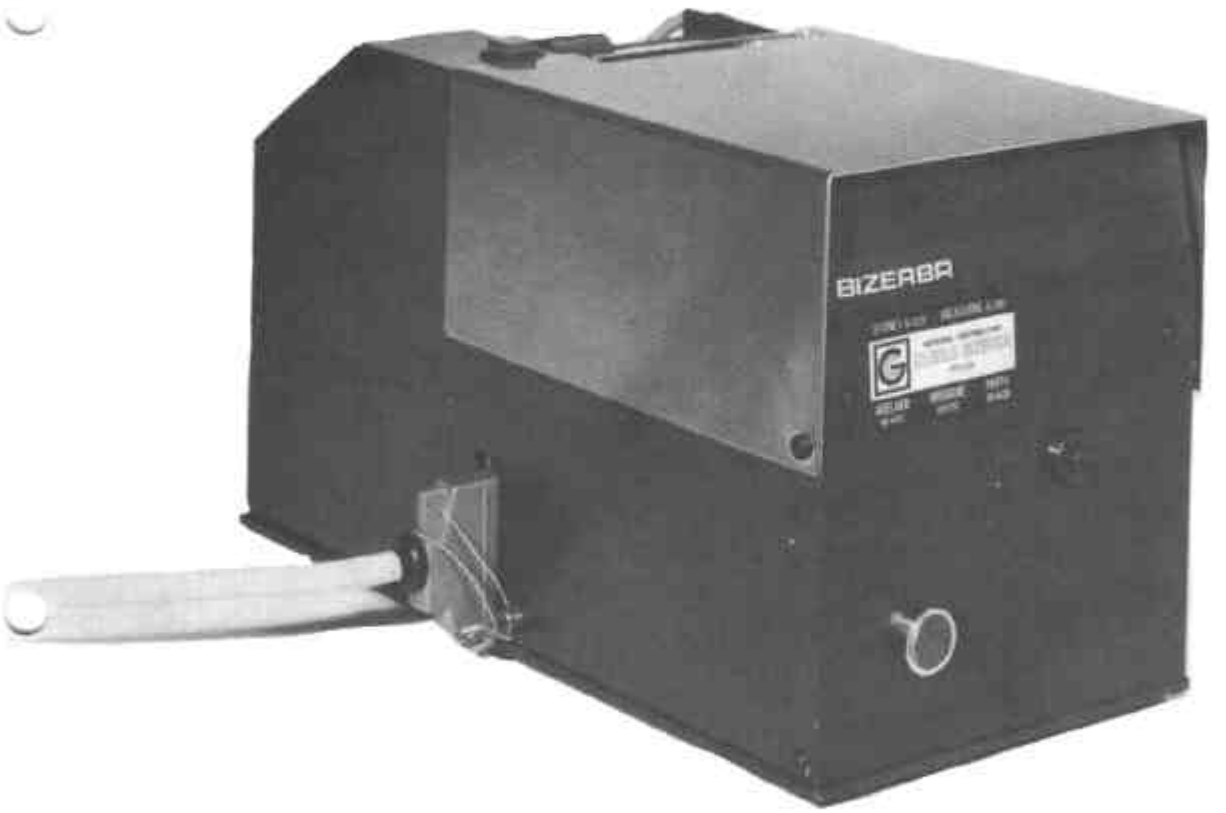


Sealing of Output Socket

FIGURE 6/4D/62 - 11

Weight Reading Face — Purchaser's Side

FIGURE 6/4D/62 - 12



Bizerba C420 ticket printer

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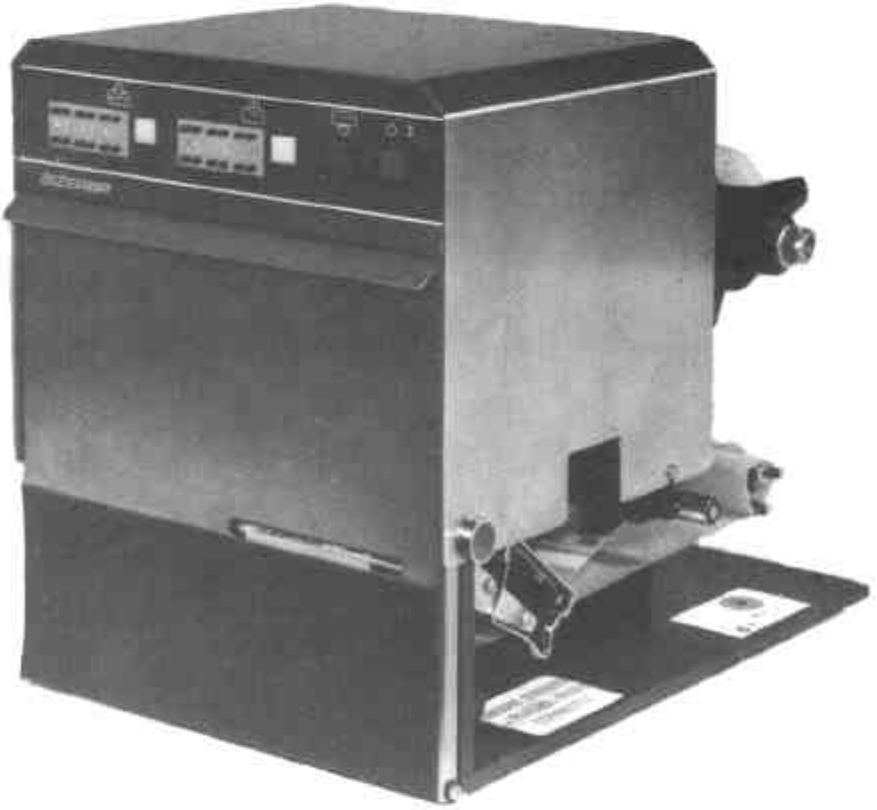
FIGURE 6/4D/62 - 13



Bizerba C431 Ticket Printer

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FIGURE 6/4D/62 - 14

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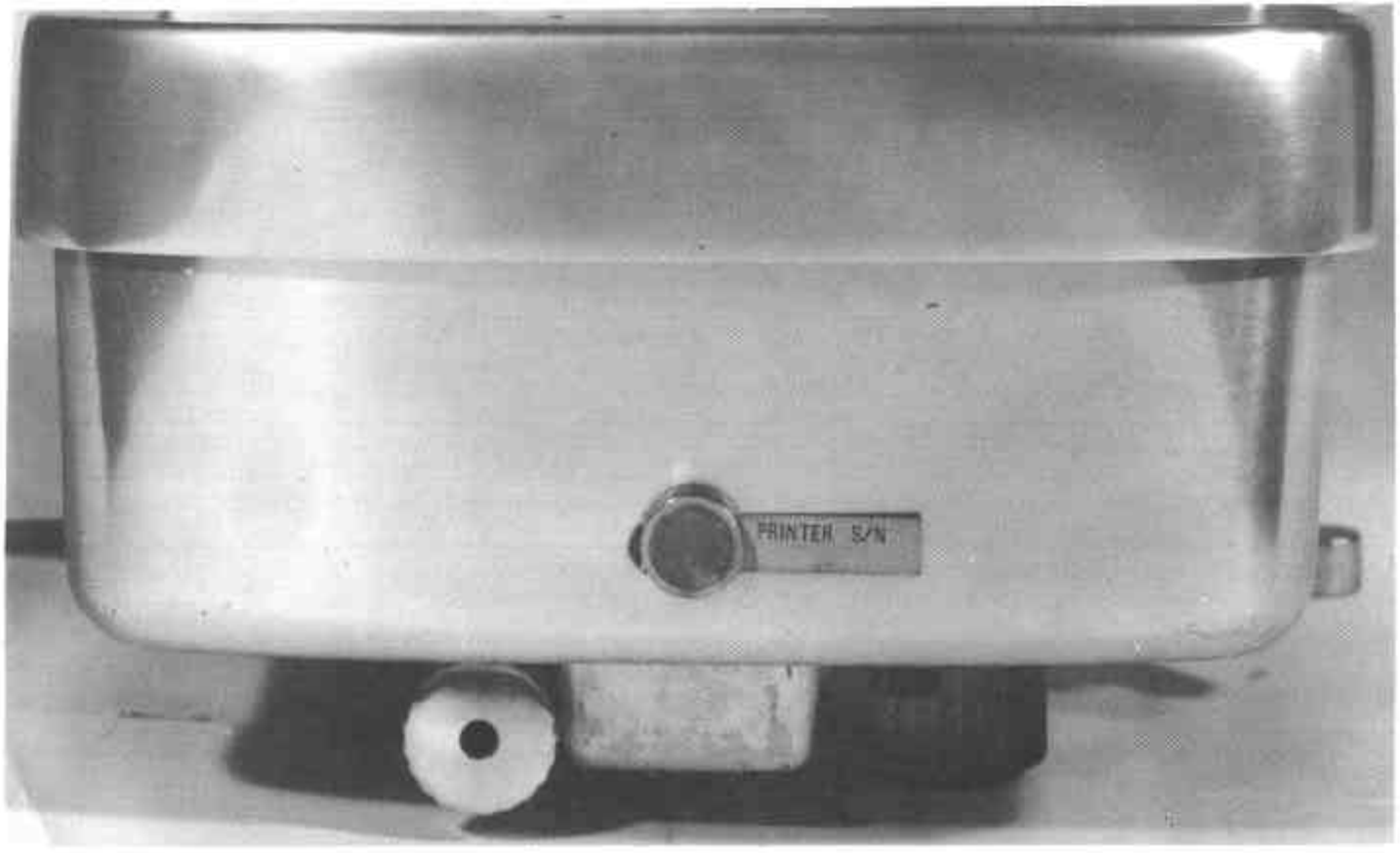

Bizerba OP 10e 1000 Showing Sealing of Serial Number of Label Printer