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(54) **Ironing table within elliptic or rectangular cabinet**

(57) The present application discloses a an ironing board arrangement, comprising an ironing board (4) arranged inside a cabinet (2), wherein the cabinet is provided with a mechanical assembly adapted to allow the opening of the cabinet to the left or to the right, and wherein the ironing board further comprises an ironing board mechanism adapted to provide movement of the ironing board from an upright position to a horizontal position.



Fig. 1

Description

[0001] This invention; in order to provide ease of use in home- designed, wall-mounted mechanically moving the ellipse or rectangle-shaped mirror cabinet can be moved mechanically hidden inside a structure is related to the ironing board property; consists of mirror (1), cabinet (2), the ironing board cabinet mechanism (3), ironing board (4) ironing board mechanism (5), ironing pad (6).

[0002] The situation of known technique

[0003] Known ironing boards; they are opened in the houses by housewives when ironing, it is usually needed an appropriate place to keep the ironing boards in the houses and it requires to move from one place to another place in order to iron. Most of the time, when ironing by housewives. In the houses, ironing boards can not be in a place that quickly and easily reached and it is not in a structure that can not be opened or closed simply. The ironing boards produced in the market are not easily open and carry, they have perishable structure that can be easily and fast broken.

[0004] The technical problems that the invention is aimed at solution

[0005] Ironing board can be easily mounted on the wall and when ironing time, it can be easily opened even in tight spaces with a special mechanical structure. When ironing is finished, it can be closed easily. It is designed and produced to create an aesthetic and modern look in the house by hiding it inside to the ellipse/rectangle-shaped mirrored cabinet and it is ensured space-saving also.

[0006] In addition, in order to do iron, the ironing board is designed and produced in a way that it is not required it to move from a place to another place and usage of it is simply, easy and comfortable.

[0007] When do not ironing, it also can be eliminated the bad appearance made by hiding the ironing board inside to the elliptical or a rectangular shaped and mechanically moved mirror cabinet. It was provided to the person who lives in the house to use the mirror. When doing iron, The mirror cabinet is moved to the left and the ironing board hidden inside the cabinet is opened and it is brought to prepare to do iron. It was created an opportunity to the person who makes iron to wear and see the clothes done iron.

[0008] It also can be manipulated as an ellipse or a rectangle-shaped mechanical mirror cabinet by hiding inside, the Ironing board is not done bad appearance of iron have been removed from the mirror of people living at home was provided to, and when to move to the left mirror, iron and commissioned, tucked into the ironing board was opened and when people get ready to make your ironing while wearing the suit that is documented in the mirror sight and created the opportunity to try.

[0009] For the purpose of invention performed, ironing board hidden inside to the elliptical or rectangular mirror cabinet is shown in the following figures;

[0010] The explanation of the figures

Figure 1: Front view of wall-mounted an elliptical or rectangular mirror cabinet that can move

Figure 2: Appearance of wall-mounted moveable elliptical or rectangular mirror mechanism

Figure 3: Front view of wall-mounted ironing board

Figure 4: The appearance of ironing board mechanism

Figure 5: The appearance of ironing pad

Figure 6: General drawing of the ironing board parts

Description of reference in the figures

[0011] The parts at the Figures are numbered and the descriptions of them are given below.

1. Mirror
2. Cabinet
3. Cabinet mechanism
4. The ironing board
5. The ironing board mechanism
6. Ironing pad

Description of the invention

[0012] This ironing board was developed as an alternative to the classic ironing boards in the markets that can be hard to open and close, when they are used, they are needed to move from one place to another place and when ironing is not done, it is needed to keep in a convenient place.

[0013] Ironing Board which has a structure that can be manipulated mechanically hidden to inside Wall-mounted mechanically manipulated an ellipse or rectangle-shaped mirrored cabinet consists of a mirror (1), a cabinet (2), a cabinet mechanism (3) Ironing Board (4) ironing board mechanism (5), ironing pad (6)

[0014] By mounting the Ironing Board (4) on a suitable wall at home by means of ironing board mechanism (5), The problems for the housewives such as moving the ironing board from a place to another place at home, not finding a proper place for ironing board at home has been eliminated and when not in use, the ironing board is mounted on the wall and doesn't cover so big place at home.

[0015] The Ironing board (4) is made in a way that when ironing, it can be easily open and when finishing to iron, it can be easily closed by means of the ironing board mechanism (5). When Ironing board is opened, it has been made as load-resistant by means of automatically lockable mechanism of a lock system and the triangular structure of the iron mechanism during ironing done. It was prevented to give any damage to housewives When they made the iron by means of non-slip and fireproof ironing pad (6) placed on the ironing board.

[0016] When the classic ironing board was not used, it has not stylish image at the home because of not appropriate place at home in order to put it. While the design and manufacture of ironing board (4) is making, it has

been anticipated to hidden inside to the mirror cabinet (2) and when ironing, in order to ensure easily remove the ironing board from the cabinet (2), the mirror cabinet can easily be moved to the left and right by means of the mechanical cabinet mechanism (3) and the cabinet (2) is sliding to the left and the Ironing board (4) is open. After ironing, the mirror cabinet (2) is moved to the left and closed on the ironing board (4). The ugly image on the wall is prevented by hiding the ironing board (4) inside to the mirror cabinet (2).

[0017] In addition, it was provided to be used as a full-length mirror for wearing the clothes of the person who makes the iron or lives at the home and was obtained an image with fashionable by means of the elliptical or rectangular mirror (1) mounted on the cabinet (2).

Application Format of The Invention To Industry

[0018] Ironing board hidden inside to the elliptical or rectangular mirror cabinet which brings successfully solution to the technical problems mentioned above is a product that can be simply produced from the materials which can be easily founded on the market such as the other ironing boards produced in the industry. In design and production of ironing board, it was not used any special materials or the materials that can be found hardly on the market.

Claims

1. The invention consists of Ironing Board which has a structure that can be manipulated mechanically hidden to inside wall-mounted mechanically manipulated an ellipse or rectangle-shaped mirrored cabinet. It has a float mirror (1), the cabinet (2) made of hard plastic or MDF, mechanical assembly, produced higher DKP iron profiles and galvanized, stainless, for which exposure to steam to the left or right can be manipulated from the plywood cabinet mechanism (3), Marin (water from contra) manufactured as resistant to the water and vapor produced, humidity, which do the ironing board (4) mechanical parts iron profile and steel sheet produced, over exposure to steam for galvanized is stainless, triangle due to the nature of the load-resistant, drop-top-down and bottom-up automatic lockable when liquidated, ironing board mechanism (5), produced from stainless steel sheet and ironing, sliding out of the silicone plugs over for ironing formation (6).
2. The ironing board has moveable mechanism in order to mount easily on the wall. On the other hand, the mirror also has a moveable mechanism to mount the mirror to the cabinet. It is useful to use the ironing board in the houses due to the simple usage. For this reason, it is intended to get the patent for the ironing board designed and produced as explained



Fig. 1

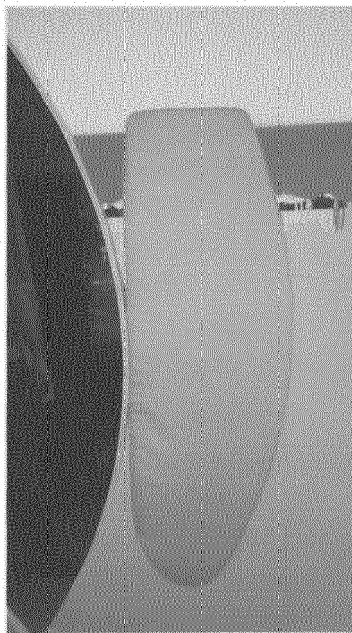


Fig. 2

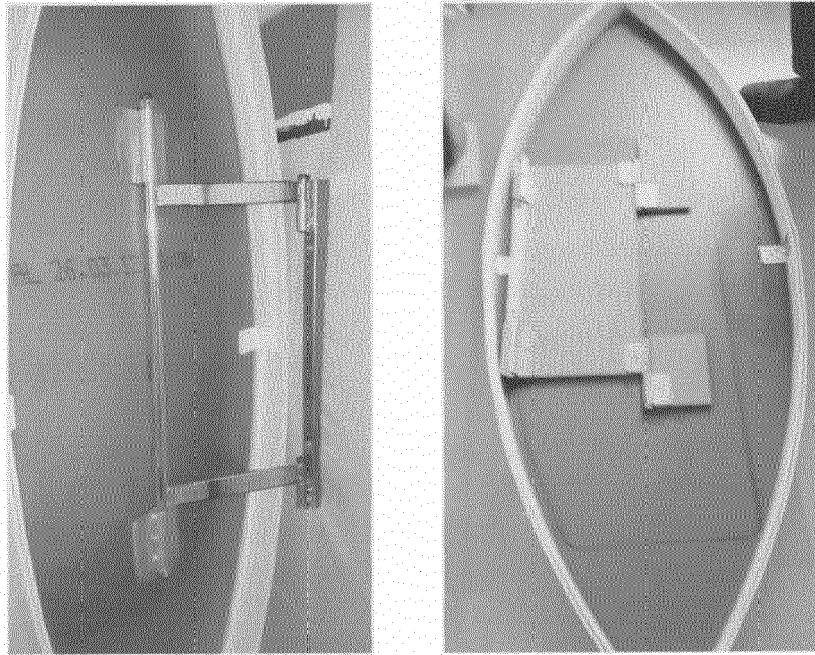


Fig. 3

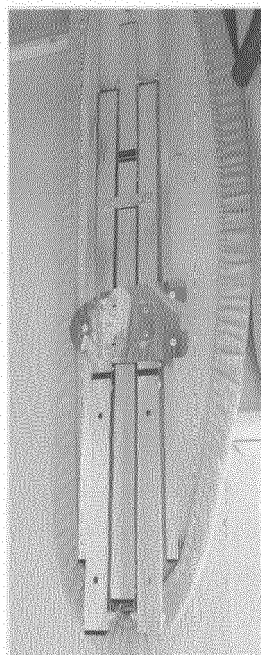


Fig. 4

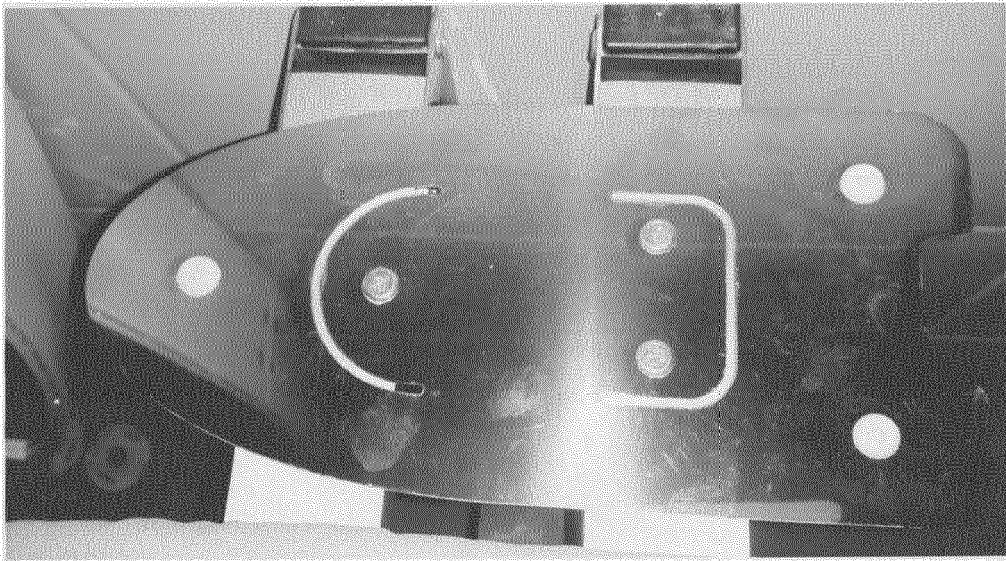


Fig. 5

**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 14 00 3696

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2013/333255 A1 (PARIENTI RAOUL [FR]) 19 December 2013 (2013-12-19) * paragraphs [0016] - [0027] * * figures 1-5 *	1	INV. D06F81/06
X	EP 1 159 893 A2 (FAGOR S COOP [ES]) 5 December 2001 (2001-12-05) * paragraphs [0019] - [0029] * * figures 1-5 *	1	
A	US 7 310 899 B1 (COSTA CHARLES A [US] ET AL) 25 December 2007 (2007-12-25) * column 3, line 23 - column 5, line 67 * * figures 1-7 *	1	
A	US 1 477 559 A (HAMLIN BEN M) 18 December 1923 (1923-12-18) * the whole document *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			D06F A47B

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

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Place of search	Date of completion of the search	Examiner
Munich	24 November 2015	Weidner, Maximilian
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

EPO FORM 1503 03.82 (P04E07)



INCOMPLETE SEARCH SHEET C

Application Number

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Claim(s) completely searchable:

-

Claim(s) searched incompletely:

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Reason for the limitation of the search:

The European Patent Office considers that the present European patent application fails to such an extent to comply with the European Patent Convention that it is impossible to carry out a meaningful search regarding the entire scope of the single claim currently on file, as it is drafted in such a way that the claim as a whole does not comply with the provisions of clarity and conciseness in Article 84 EPC, so that it is particularly burdensome for a skilled person to establish the subject-matter for which protection is sought:

Claim 1 is described by features from which it is neither clear what technical characteristics they represent, nor how they interrelate, in order to define the subject-matter according to the present invention. Further, due to unclear use of the language, the understanding of the subject-matter of the present invention is considerably complicated, for instance that the covered features are hardly identifiable because of inconsistent punctuation.

Further, claim 1 is described, inter alia, by the features "float mirror", "higher DKP iron profiles", "triangle" and "Marin (water from contra)". However, these terms are not fixed expressions in the related technical domain, leaving the skilled reader in doubt of the scope of protection conferred by the claim and, thereby, rendering the claim unclear (Article 84 EPC).

Furthermore, in particular with regard to the second sentence of claim 1, it is not clearly derivable from the phrasing of claim 1, how the mechanism of opening the cabinet and extending the ironing board therefrom towards a horizontal position of the ironing board is actually carried out. This applies in particular for the following phrases: "to steam to the left or right can be manipulated", "humidity, which do the ironing board mechanical parts iron profile and steel sheet produced", "over exposure to steam for galvanized is stainless", "triangle due to the nature of the load-resistant", "drop-top-down and bottom-up automatic lockable when liquidated" and "ironing, sliding out of the silicone plugs over for ironing formation". Hence, claim 1 is rendered unclear, contrary to the requirements of Article 84 EPC.

Moreover, claim 1 is described, inter alia, by the feature "silicone plugs". However, the function of these plugs remain unclear, in particular with regard to the sliding function of the ironing board towards a horizontal position or the ironing formation, respectively. Further, this feature has been omitted from the description and can therefore not provide any support for the claim in order to clarify. Hence, claim 1 does not meet the requirements of Article 84 EPC.

In reply to the invitation to file a statement indicating the subject-matter to be searched, the applicant failed to provide the requested information in due time.

Thus, the applicant's attention is drawn to the fact that the application will be further prosecuted on the basis of subject-matter for which a search has been carried out and that the claims should be limited to that

**INCOMPLETE SEARCH
SHEET C**

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subject-matter at a later stage of the proceedings (Rule 63(3) EPC). Pursuant to Rule 63(2) EPC, the extent of the search was consequently limited to the examples clearly defined in, and supported and disclosed by, the description and the drawings of the present application. In particular, the search of claim 1 was restricted to:
an ironing board arrangement, comprising
an ironing board (4) arranged inside a cabinet (2),
wherein the cabinet is provided with a mechanical assembly adapted to allow the opening of the cabinet to the left or to the right,
and wherein the ironing board further comprises an ironing board mechanism adapted to provide movement of the ironing board from an upright position to a horizontal position.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 14 00 3696

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-11-2015

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2013333255 A1	19-12-2013	CN 103314153 A	18-09-2013
		EP 2649233 A1	16-10-2013
		ES 2526133 T3	07-01-2015
		FR 2968318 A1	08-06-2012
		JP 2014507211 A	27-03-2014
		KR 20130124350 A	13-11-2013
		RU 2013131037 A	20-01-2015
		US 2013333255 A1	19-12-2013
		WO 2012076772 A1	14-06-2012
EP 1159893 A2	05-12-2001	EP 1159893 A2	05-12-2001
		ES 2189593 A1	01-07-2003
		US 2001048267 A1	06-12-2001
US 7310899 B1	25-12-2007	NONE	
US 1477559 A	18-12-1923	NONE	